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
www.coj.net

ONE CITY. ONE JACKSONVILLE.

June 1, 2017

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

Tom Fallin, 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
Internal Services Account No.: PWEN1F4BE-04904

Additional coordination, permitting, reporting and construction review services are needed due to the impacts from Hurricane Matthew and the Corps of Engineers need to extend the dredging project. Negotiations with the consultant have resulted in the attached Scope of Services, Exhibit C and Fee Summary, Exhibit D. 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 C and Fee Summary, Exhibit D; to increase the not to exceed limit for Professional Coastal Engineering Services by $53,532.49 to a new limit of $228,032.49 , thereby increasing the maximum indebtedness to the city by $53,532.49 to a new maximum indebtedness of $228,032.49 with all other conditions remaining the same.

TF/lw

Attachments: Exhibits C & D

cc: Lori A. West, Engineering Contract Specialist
Gary Goldsberry, P.E. Project Manager

26 May 2017

Mr. Thomas Fallin, P.E.
City Engineer, City of Jacksonville
214 north Hogan Street, Room 1090
Jacksonville, FL 32202

olsen
associates, inc.
Coastal Engineering

Re: P-49-15, Coastal Engineering Services for Beach Renourishment Projects; Modification Request for Additional Required Services

Dear Tom:

The following presents our firm's request for an increase in budget ceiling associated with our existing contract for Professional Coastal Engineering Services for Beach Renourishment Projects. This increase is necessitated by the change in schedule and scope of the 2016 beach renourishment project, owing particularly to impacts from Hurricane Matthew and the Corps of Engineers' need to extend the completion of project dredging through May 2017. These factors delayed completion of the project's renourishment by about six months (from December 2016 to June 2017) and resulted in a temporary close-out of the works, re-mobilization of the dredging contractor, and second start-up of construction coordination. This likewise extended the renourishment project into a second marine turtle & shorebird nesting season (Summer 2017) – such that completion of the project's dune and vegetation repairs require additional environmental monitoring efforts beyond that included in our existing contract's Scope of Services.

Accordingly, the change in the scope and schedule of the beach renourishment project resulted in an increased requirement for our firm's coastal engineering services (coordination, permitting, reporting and construction review) and for daily environmental surveys for marine turtles and shorebirds. These project changes were beyond the control of the firm and the City. The additional effort and costs associated with the project changes could not have been anticipated at the outset of the work and were therefore not included in the original contract allowances. The nature of the additional services, the specific personnel & subcontractors, and all associated rates -- proposed herein -- are unchanged from the existing contract.

The proposed modifications (scope of additional work) include the following, and is additionally attached as Exhibit A. Exhibit B includes the spreadsheet detail of the additional proposed costs. As noted above, the hourly and daily rates are identical to those in the existing 2-year contract, as initiated in May 2016.

1. Additional permit-related reporting, coordination among COJ/Corps/Beaches Cities and environmental monitors, public communication, renewal of construction access easements, progress and briefing meetings, by Olsen Associates Inc., required for the departure of the Corps' dredge, subsequent remobilization, and six-month delay of renourishment completion beyond the original project schedules.

   Additional Fee Allowance: $11,800.

2. Additional daily early-morning monitoring by Beaches Sea Turtle Patrol (BSTP) for marine turtle nesting activity, per FDEP permit requirements – including relocations, mark-for-avoidance, reporting and daily coordination with contractors – along the limits of the 2016/17

dune renourishment and nest relocation area, for the period between the completion of all beach work by the Corps' dredging contractor and the completion of all beach work by the City's contractors. The latter includes (i) dune re-vegetation and (ii) dune repairs by truck-haul placement of stockpiled sand. A period of 80 days of monitoring requirements is assumed – from June 10 (projected date that Great Lakes Dredge & Dock Company is off of beach and releases BSTP from their contract) through August 28, 2017 (projected date of completion of City's dune work, including 2-week allowance for weather or related delay). [1] The cost of BSTP final report is already included.

Additional Fee Allowance: 80 days @ $250/d + Report (n/a) = $20,000.

3. Additional daily early-morning monitoring by LG2Environmental Solutions (LG2ES) for shorebird breeding and nesting activity, per FDEP permit requirements, along the limits of the 2016/17 dune renourishment and relocation area, for the period between the completion of all beach work by the Corps' dredging contractor and the completion of all beach work by the City's contractors. The latter includes (i) dune re-vegetation and (ii) dune repairs by truck-haul placement of stockpiled sand. A period of 80 days of monitoring requirements is assumed – from June 10 (projected date that Great Lakes Dredge & Dock Company is off of beach and releases LG2ES from their contract) through August 28, 2017 (projected date of completion of City's dune work, including 2-week allowance for weather or related delay). [2]

Additional Fee Allowance: 80 days @ $250/d + Report ($1728) = $21,728.

Summary. The proposed modification would increase the existing not-to-exceed contract amount by $53,528; viz., from $174,500 to $228,028. Only those labor-hours and survey-days actually expended shall be invoiced.

All of the proposed modification should be eligible for FEMA and/or State FDEP cost-share reimbursement. The $41,728 budget amount for environmental monitoring (items #2 and #3 above) was explicitly included in the projected storm-related cost estimates submitted for the FEMA project worksheets, c. 5/19/2017, and is potentially eligible for 75% FEMA reimbursement. The balance is eligible for 46.89% FDEP reimbursement under existing State Grant 15DU1, Task 3.3A. The $11,800 budget amount for Olsen (item #1 above) – if not otherwise eligible for FEMA reimbursement – is eligible for 46.89% FDEP reimbursement under existing State Grant 15DU1, Tasks 3.2A & 3.3A. As such, the net cost of the proposed modification to COJ, after projected FEMA and FDEP reimbursement, would be $11,807 (i.e., net 22% of the overall proposed modification of $53,528). See detail, following page.

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[1] The existing Contract includes 72 days allowance (at $250/day) for BSTP monitoring, of which 66 days were used for pre-construction monitoring in 2016, leaving an existing available allowance of 6 days for BSTP. This remaining 6 day allowance for BSTP is reserved for its probable requirement in April 2018 for beach tilling – required to be accomplished by the City of Jacksonville by mid-April 2018.

[2] The existing Contract includes 16 days allowance (at $250/day) for LG2ES monitoring, of which 0 days have been used to-date. This remaining 16 day allowance for LG2ES is reserved for its probable requirement in April 2018 for beach tilling – required to be accomplished by the City of Jacksonville in April 2018. Tilling, if conducted on/after 15 March, requires 10-days of advance shorebird monitoring plus monitoring during tilling.

Proposed Contract Modification (with Potential Anticipated Reimbursement)				
Item		Pot'l Reimbursement		Cost
1	**Olsen Associates, Inc.**			$ 11,800
	FDEP Reimbursement (Tasks 15DU1-3.2A & 3.3A)	46.89%	$ (5,533)	
2	**Beaches Sea Turtle Patrol (Allowance)**			$ 20,000
	FEMA Reimbursement	75%	$ (15,000)	
	FDEP Reimbursement of Balance (Tasks 15DU1-3.3A)	46.89%	$ (2,345)	
3	**LG2ES [Shorebirds] (Allowance)**			$ 21,728
	FEMA Reimbursement	75%	$ (16,296)	
	FDEP Reimbursement of Balance (Tasks 15DU1-3.3A)	46.89%	$ (2,547)	
	Total Potential Reimbursement & Cost		$ (41,721)	$ 53,528
	Net Cost to COJ after Potential Reimbursement		$	11,807

Actual costs and reimbursements may be less than those forecasted above. The Table indicates the probable maximum values of expenditures and FEMA/FDEP reimbursements per the proposed contract modification.

Please do not hesitate to contact me at kbodge@olsen-associates.com or 904-387-6114 if you have any questions regarding this request. Thank you for your attention in this matter.

Sincerely,

Kevin Bodge, Ph.D., P.E.
Senior Vice President & Principal Engineer, II

CC: Lori West
Att: Exhibit A – Additional scope of work
Exhibit B – Cost worksheet and subcontract proposals from LG2ES and BSTP

EXHIBIT A

Additional Scope of Services (May 2017) – Modification #1
P-49-15: Coastal Engineering Services for Beach Renourishment Projects

1. Additional permit-related reporting, coordination among COJ/Corps/Beaches Cities and environmental monitors, public communication, renewal of construction access easements, progress and briefing meetings, by Olsen Associates Inc., required for the departure of the Corps' dredge, subsequent remobilization, and six-month delay of renourishment completion beyond the original project schedules.

   Additional Fee Allowance: $11,800.

2. Additional daily early-morning monitoring by Beaches Sea Turtle Patrol (BSTP) for marine turtle nesting activity, per FDEP permit requirements – including relocations, mark-for-avoidance, reporting and daily coordination with contractors – along the limits of the 2016/17 dune renourishment and nest relocation area, for the period between the completion of all beach work by the Corps' dredging contractor and the completion of all beach work by the City's contractors. The latter includes (i) dune re-vegetation and (ii) dune repairs by truck-haul placement of stockpiled sand. A period of 80 days of monitoring requirements is assumed – from June 10 (projected date that Great Lakes Dredge & Dock Company is off of beach and releases BSTP from their contract) through August 28, 2017 (projected date of completion of City's dune work, including 2-week allowance for weather or related delay). The cost of BSTP final report is already included.

   Additional Fee Allowance: 80 days @ $250/d + Report (n/a) = $20,000.

3. Additional daily early-morning monitoring by LG2Environmental Solutions (LG2ES) for shorebird breeding and nesting activity, per FDEP permit requirements, along the limits of the 2016/17 dune renourishment and relocation area, for the period between the completion of all beach work by the Corps' dredging contractor and the completion of all beach work by the City's contractors. The latter includes (i) dune re-vegetation and (ii) dune repairs by truck-haul placement of stockpiled sand. A period of 80 days of monitoring requirements is assumed – from June 10 (projected date that Great Lakes Dredge & Dock Company is off of beach and releases LG2ES from their contract) through August 28, 2017 (projected date of completion of City's dune work, including 2-week allowance for weather or related delay).

   Additional Fee Allowance: 80 days @ $250/d + Report ($1728) = $21,728.

EXHIBIT C

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
3. Name of Consultant Olsen Associates, Inc.	4. Date of Proposal 05/31/17

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$80.37	0	$0.00	
Principal II	$72.00	42	$3,024.00	
Senior Engineer	$61.09	1	$61.09	
Coastal Engineer I	$46.55	15	$698.25	
Coastal Engineer II	$38.55	0	$0.00	
Coastal Engineer III	$34.91	0	$0.00	
Draftsman	$26.18	0	$0.00	
Admin Assistant	$25.46	20	$509.20	
TOTAL DIRECT LABOR		78	Hours	$4,292.54
6. Overhead (Combined Fringe Benefit & Administrative)			150%	$6,438.81
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$10,731.35
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$1,073.14

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)		$11,804.49
11. REIMBURSABLE COSTS (Limiting Amount)		
Hydrographic surveys *(ARC Surveys & Mapping)*	$ 0.00	
Marine Turtle monitoring & relocation *(BSTP)*	$ 20,000.00	
Shorebird Surveys *(LG2 Env Solutions)*	$ 20,000.00	
Final Report *(LG2 Env Solutions)*	$ 1,728.00	
SUB-TOTAL REIMBURSABLES		$41,728.00

PART IV - SUMMARY	
TOTAL AMOUNT OF AMENDMENT #6 (Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$53,532.49**
12. PRIOR CONTRACT AMOUNT (Through Amendment # N/A)	$174,500.00
AMENDED AMOUNT OF CONTRACT	**$228,032.49**

Beaches Sea Turtle Patrol Inc.

Marine Turtle Nesting Surveys & Relocation for Permit-Required Monitoring

Proposed Cost Allowance for Post-Dredge&Fill Dune Reparation Monitoring - Summer 2017 (80 days)

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

Daily Monitoring - per previously established contract costs: $250/day x 80 day allowance = *$20,000*

LABOR	RATE	O. H. FACTOR	RATE	0% PROFIT	BILLABLE RATE	HRS.	TOTAL	TOTAL LABOR & EQUIPMENT
Project Start-Up Admin Activities	$ 23.00	1.50	$ 57.50	$ -	$ 57.50	8	$ 460.00	
Project Beach Monitoring Mark-Avoid & Relocation	$ 23.00	1.50	$ 57.50	$ -	$ 57.50	218	$ 12,535.00	
Project Admin, Reporting & Compliance	$ 23.00	1.50	$ 57.50	$ -	$ 57.50	26	$ 1,495.00	
Close-out: Admin, Reporting & Compliance	$ 23.00	1.50	$ 57.50	$ -	$ 57.50	12.5	$ 710.00	
TOTAL LABOR								$ 15,200.00
EQUIPMENT								
ATVs	$ 60.00		80 days @ $60/day				$ 4,800.00	
								$ 4,800.00
TOTAL								***$ 20,000.00***
Equivalent Cost Per Day							80 days	***$250/day***

LG2 Environmental Solutions Inc.

Shorebird Surveys for Permit-Required Monitoring: Post Dredge&Fill Reqt's for Dune Reparations, Summer 2017

Proposed Cost to Olsen Associates Inc
for City of Jacksonville Beach Renourishment - 2016/17

Daily Monitoring - per previously established contract costs: $250/day x 80 day allowance =* *$ 20,000.00

LABOR	RATE	O. H. FACTOR	RATE	10% PROFIT	BILLABLE RATE	HRS.	TOTAL	TOTAL LABOR & EQUIPMENT
Coordination Meetnig & Close-out Reporting for 2017 Monitoring								
Project Mgr	$ 36.00	1.50	$ 90.00	$ 9.00	$ 99.00	8	$ 792.00	
Sr. Scientist	$ 30.00	1.50	$ 75.00	$ 7.50	$ 82.50	8	$ 660.00	
Staff Biologist	$ 24.91	1.50	$ 62.28	$ 6.23	$ 68.50	0	$ -	
Technician	$ 19.49	1.50	$ 48.73	$ 4.87	$ 53.60	0	$ -	
Admin Asst	$ 25.00	1.50	$ 62.50	$ 6.25	$ 68.75	4	$ 275.00	
							Task 1 Subtotal	$ 1,728.00
Allowance - 80 days daily monitoring								
Project Mgr	$ 36.00	1.50	$ 90.00	$ 9.00	$ 99.00	5	$ 495.00	
Sr. Scientist	$ 30.00	1.50	$ 75.00	$ 7.50	$ 82.50	16	$ 1,320.00	
Staff Biologist	$ 24.91	1.50	$ 62.28	$ 6.23	$ 68.50	174	$ 11,919.00	
Technician	$ 19.49	1.50	$ 48.73	$ 4.87	$ 53.60	6	$ 322.00	
ATV	$ 74.50	/day	80 days				$ 5,960.00	
							Task 2 Subtotal	$ 20,000.00
							Over 80 days =	$250/day
TOTAL LABOR AND EQUIPMENT								***$ 21,728.00***

May 24, 2017

Dr. Kevin Bodge, P.E.
Senior Vice President
Olsen Associates, Inc.
2618 Herschel Street
Jacksonville, FL 32204

RE: Marine Turtle Nesting Surveys and Relocation Services
Duval County Post-Hurricane Matthew Dune Reparations – Summer 2017

Dear Kevin:

Beaches Sea Turtle Patrol Inc. (BSTP) proposes the following marine turtle monitoring, marking, relocation and reporting services required for continued construction of the 2017 (post-Hurricane Matthew) dune reparation project along the Jacksonville Beaches, pursuant to our completion of monitoring & relocation services conducted for the Corps of Engineers and its Contractor, Great Lakes Dredge & Dock Company (GLDD). BSTP shall conduct daily early morning monitoring for marine turtle nesting along the affected project shoreline, comprising 6.7 miles between FDEP monuments R43 and R80 (from approximately 19th Street Atlantic Beach to the Duval/St. Johns County line), beginning after GLDD's removal of its construction equipment from the beach and the conclusion of BSTP's contracted monitoring services for the Corps and GLDD, and continuing through the completion of dune reparations (sand transfer and dune vegetation) to be conducted by the City of Jacksonville. During this daily monitoring, BSTP shall identify nests and requirements for marking, avoiding, or relocation. BSTP shall relocate those nests that will be unavoidably impacted by the dune reparation activity, specifically including nests along the sand stockpile and adjacent transfer areas between approximately 14th and 26th Avenues South, Jacksonville Beach until that sand transfer-and-placement activity is completed. BSTP shall otherwise mark (for avoidance) nests along the overall affected project area from 19th Street Atlantic Beach to the Duval/St. Johns County line, where installation of dune vegetation (and potential subsequent irrigation) will occur. BSTP shall submit a daily early-morning notice to the City's contractors, and brief summary report not less than weekly, describing the relocation activities and locations or dispositions of nests to be avoided. BSTP shall likewise prepare and submit the requisite 2017 reports for FFWC per the requirements of the FDEP permit and BSTP's marine turtle permit. The proposed fee for these services, with assumed allowances for duration and nest relocations & marking, is:

Daily early-morning surveys for nesting activity, recording, marking, and relocating as needed: $250.00 per day. The assumed duration of the work is approximately 80 days, assuming commencement on or about 10 June 2017 and conclusion of the dune restoration work not later than about 28 August 2017. Actual calendar requirements may vary.

Please do not hesitate to contact me at (904) 613-6081 if you have any questions regarding this proposal.

Jennifer Burns
Director, Beaches Sea Turtle Patrol, Inc.
Marine Turtle Permit Holder MTP-17-111

LG² ENVIRONMENTAL SOLUTIONS, INC.

Solutions-Based Thinking

10475 Fortune Parkway, Suite 201 | Jacksonville, FL 32256 | Telephone 904-288-8631 | www.lg2es.com

May 18, 2017

Kevin R. Bodge, Ph.D., P.E.
Olsen Associates, Inc.
2618 Herschel Street
Jacksonville, FL 32204

Via Email: kbodge@olsen-associates.com

Re: Duval County Beach Re-nourishment
Shorebird Monitoring
Proposal for Services

Dear Mr. Bodge:

Thank you for calling on LG² Environmental Solutions, Inc. (LG²ES). We are pleased to present this proposal to perform environmental services for the property referenced above. The following proposal lists each task to be performed by LG²ES and the associated fees.

If the attached list of services or tasks, estimated fees, and terms of the contract are agreeable to you, please provide the appropriate work order per your SOPs. We are ready to proceed upon our receipt of the signed contract and your authorization.

If you have any questions or require additional information, please contact me.

Sincerely yours,

LG² Environmental Solutions, Inc.

Senior Scientist/Project Manager
chaddrury@lg2es.com
904-347-7725

Attachment:
LG²ES Project: 17120

Proposed Work Objective

The proposed work objective is to conduct daily shorebird/seabird monitoring for the 2016-2017 Post-Storm Dune Restoration Dune Planting project.

Scope of Services

Shorebird/Seabird Monitoring

LG²ES will conduct daily surveys for seabird/shorebird and migratory bird nesting within the project area. Monitoring will occur during dawn hours (before 9 am) or dusk hours (after 5 pm). Monitoring may be conducted by a combination of company vehicle with appropriate pedestrian surveys where necessary. All observed shorebird activity will be recorded on daily forms and submitted via email on the next work day. LG²ES will also give an "all clear" text to the CLIENT after each daily monitoring event is completed.

Final Report

LG²ES will provide a Final Report summarizing the observations made during the monitoring events.

Cost

Shorebird/Seabird Monitoring

The daily fixed-price cost to perform the seabird/shorebird monitoring is **$250.00/day.**

Final Report

The fixed-price cost to prepare a Final Report summary is **$1,728.00.**

LG²ES will not incur additional costs without your prior approval. LG²ES will inform you, and receive your concurrence to proceed, if we encounter circumstances that may cause this estimate to be exceeded. Requested services not described herein will be provided on a time-and-materials basis in accordance with the attached terms and conditions (Attachment A) and fee schedule (Attachment B).

Services furnished by LG²ES shall be subject to the terms and conditions set forth in Attachment A. Upon Client's acceptance of LG²ES's offer and receipt of the signed contract, the parties agree that the contract and this proposal constitute the agreement for wetland delineation services.

All billing exclusive of non-advance payments will be in accordance with the terms and conditions included in Attachment A. Invoices will be submitted monthly and will reflect the level of effort expended during the billing period. Invoices are due within 30 days of receipt.

If the above-described proposal meets with your approval, please sign and return the contract to Jade Yutzy via email (jyutzy@lges.com) or by regular mail at address on LG²ES letterhead. We look forward to helping you evaluate this property's environmental issues. If you have any questions, please contact me at (904) 347-7725.

Sincerely,
LG² Environmental Solutions, Inc.

By: Chad Drury
Senior Scientist/Project Manager