

CONSULTANT SERVICES AUTHORIZATION

***Coastal and Marine Engineering Professional Continuing Services Contract
Project No.: ERM-CCNA-2025***

CSA #: 0156-01

CONSULTANT: Foth Infrastructure & Environment, LLC

ACCOUNT: various

CONTRACT #: R2026-0156

D. M. Hark
3/5/26

[Fiscal approval of Budget Availability: See attached BAS (Exhibit A)]

PROJECT NAME: 2026 Regional Monitoring Surveys and Post-Storm Damage Assessment

LOCATION/DISTRICT #: Countywide Coastline and Atlantic Ocean / Districts 1 and 4

PROJECT MANAGER: Hailey Wilson PHONE: 561-233-2465

CONTRACT MANAGER: Juan Cueto PHONE: 561-233-2431

TASK DESCRIPTION (use additional pages if necessary): The Consultant shall conduct and prepare countywide surveys and provide data, as described in the attached Foth proposal dated February 24, 2026 (Exhibit C). OSBD Schedules 1 and 2 (Exhibit B) and the Contract History (Exhibit D) are attached hereto and made part of this CSA. Execution of Tasks 12 through 22 will require separate written Notice to Proceed from the County.

DELIVERABLES: See attached Foth proposal dated February 24, 2026 (Exhibit C).

CSA TYPE: FIXED PRICE

DUE DATE: January 31, 2027

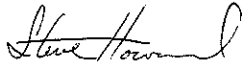
TOTAL AMOUNT: \$211,333.00

SBE PARTICIPATION FOR THIS CSA: \$133,265.00 (63%)

SBE PARTICIPATION TO DATE FOR THIS CONTRACT: \$133,265.00 (63%)

CONTRACT SBE COMMITMENT: 48%

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Digitally signed by
Steven C Howard
Date: 2026.02.27
11:46:48-05'00'

CONSULTANT REP: _____ DATE: 2-27-2026
Steven C. Howard, Lead Coastal Engineer

APPROVED AS TO TERMS AND CONDITIONS:

ERM DIRECTOR: Deborah Drum DATE: 3-12-2026
Deborah Drum

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

ASSISTANT COUNTY ATTORNEY: Yelizaveta B. Herman DATE: 4/3/26
Yelizaveta B. Herman

ATTEST:
MICHAEL A. CARUSO
CLERK & COMPTROLLER: _____ DATE: _____
Deputy Clerk

**PALM BEACH COUNTY,
A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA,
BOARD OF COUNTY COMMISSIONERS:**

By: _____ DATE: _____
Sara Baxter, Mayor



**Palm Beach County
Environmental Resources Management**

INTERDEPARTMENTAL BUDGET AVAILABILITY STATEMENT

REQUEST DATE: 03/09/2026

REQUESTED BY: Juan Cueto

PHONE: 233-2431

PROJECT TITLE: Regional Monitoring Surveys

PROJECT NO: CSA 0156-01

SITE: Multiple

ACTIVITY: Monitoring

CONTRACTOR/CONSULTANT NAME: Foth Infrastructure & Environment, LLC.

SCOPE OF SERVICES: Regional Monitoring Surveys & Post-Storm Damage Assessment

BUDGET ACCOUNT NUMBER(S):

<u>Fund</u>	<u>Dept</u>	<u>Unit</u>	<u>Obj</u>	<u>SObj</u>	<u>Program</u>	<u>(Proj) Task</u>	<u>(Site) Sub Task</u>	<u>(Activity) Task Ord</u>	<u>Amount \$</u>
3652	381	M015	3120		E015	S044	COCR	008	20,588.75
3652	381	M028	3120		E028	S047	CJUB	008	41,714.90
3652	381	M037	3120		E037	S049	CSII	008	46,528.65
3652	381	M040	3120		E040	S048	CCOC	008	41,363.65
3652	381	M044	3120		E044	S046	CJUP	008	3,015.93
3652	381	M045	3120		E045	S045	CJUC	008	28,845.45
3652	381	M046	3120		E046	S029	CSLW	008	29,275.67
Total									211,333.00

FISCAL APPROVAL: _____

Deepika Dias

Digitally signed by Deepika Dias
DN: c=org, DC=pbogov, OU=Environmental Resources Management, OU=ERM, OU=Users, CN=Deepika Dias, E=DDias@pbc.gov
Reason: I am the author of this document
Date: 2026.03.09 10:44:29-04'00'

DATE: _____

3/9/2026

ENCUMBRANCE NUMBER: _____

OSBD SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: 2026 Regional Monitoring Surveys and Post-Storm Damage Assessment

SOLICITATION/PROJECT/BID NO.: CSA No. 0156-01

SOLICITATION OPENING/SUBMITTAL DATE: n/a

COUNTY DEPARTMENT: Environmental Resources Management

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Foth Infrastructure & Environment, LLC ADDRESS: 2618 Herschel Street, Jacksonville, FL 32204

CONTACT PERSON: Steve Howard, P.E. PHONE NO.: 904-387-6114 E-MAIL: Steve.Howard@foth.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$78,068.00
 SBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE SBE

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories)		DOLLAR AMOUNT OR PERCENTAGE OF WORK
	Non-SBE	SBE	
1. Terraquatic, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$133,265.00
2.	<input type="checkbox"/>	<input type="checkbox"/>	_____
3.	<input type="checkbox"/>	<input type="checkbox"/>	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	_____

(Please use additional sheets if necessary)

Total Bid/Offer Price \$ 211,333.00 Total 0
 Total Certified SBE Participation \$ 133,265.00

I hereby certify that the above information is accurate to the best of my knowledge:


 Name & Authorized Signature

Lead Coastal Engineer

Title

- Note:**
- The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 - Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OSBD Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.
 - Modification of this form is not permitted and will be rejected upon submittal.
 - If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation.

Exhibit B
p. 1 of 2

OSBD LETTER OF INTENT – SCHEDULE 2*

Exhibit B
p. 2 of 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. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: CSA No. 0156-01
 SOLICITATION/PROJECT NAME: 2026 Regional Monitoring Surveys and Post-Storm Damage Assessment

Prime Contractor: Foth Infrastructure & Environment, LLC Subcontractor: Terraquatic, Inc.
(Check box(s) that apply)

SBE Non-SBE Supplier Date of Palm Beach County Certification (if applicable): 7/20/23 - 7/19/26

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
	Professional Surveying Services				\$133,265.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$133,265.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

Foth Infrastructure & Environment, LLC

Print Name of Prime

By: 

Authorized Signature

STEVE HOWMAN

Print Name

LEAD CONSULT ENGINEER

Title

Date: 2-26-26

Terraquatic, Inc.

Print Name of Subcontractor/subconsultant

By: 

Authorized Signature

Joshua Lee, PSM

Print Name

President

Title

Date: February 26, 2026

Foth Infrastructure & Environment, LLC
2618 Herschel Street
Jacksonville, FL 32204
(904) 387-6114
foth.com

February 24, 2026

Hailey Wilson, Environmental Analyst
Palm Beach County Department of Environmental Resources Management
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411-2743

Re: Annual Coastal Engineering Contract
CSA 0156-01 Proposal: 2026 Regional Monitoring Surveys & Post-Hurricane FEMA Project
Worksheet Assistance; Palm Beach County, Florida

Dear Ms. Wilson;

At the request of Palm Beach County ("County"), Foth Infrastructure & Environment, LLC | Olsen Associates, Inc. (Foth | Olsen, "Consultant") is pleased to present the following proposal for Consultant Services Authorization (CSA) 0156-01 to be completed under our existing annual services contract. This proposal details data collection and engineering services in support of the County's 2026 Beach Physical Monitoring initiative. All surveying and mapping work will be conducted by Foth | Olsen's subconsultant Terraquatic, Inc. Foth | Olsen's role in collection of the survey data will be limited to contract management, coordination, and QA/QC for general compliance. A detailed summary of total proposed costs and Terraquatics' statement of work and cost proposal are attached to this letter. The 2026 annual physical monitoring includes 11 distinct task items, as follows:

Tasks 1 through 11: 2026 Annual Physical Monitoring

- Task 1 = R1 to R8 (8) Onshore/offshore profiles
- Task 2 = R1.5 to R7.5 (7) Wading depth profiles at intermediate monuments
- Task 3 = R13 to R23 (11) Onshore/offshore profiles
- Task 4 = T24 to R45 (22) Onshore/offshore profiles
- Task 5 = R58 to R75 (18) Onshore/offshore Profiles
- Task 6 = R61.5 to R66.5 (6) Wading depth profiles at intermediate monuments
- Task 7 = R134 to R151 (18) Onshore/offshore profiles
- Task 8 = T152 to R164 (13) Onshore/offshore profiles
- Task 9 = Jupiter Ebb Shoal (No 2026 Action Required. Intentionally left blank.)
- Task 10 = SLWI Ebb Shoal (No 2026 Action Required. Intentionally left blank.)
- Task 11 = SLWI Flood Shoal (No 2026 Action Required. Intentionally left blank.)

This proposal includes additional allowance for completing post-hurricane surveys, engineering analyses, and providing coordination with the Federal Emergency Management Agency (FEMA) to

develop a storm damage report(s) in support of FEMA Category G Project Worksheet(s) for the County's existing, non-Federal coastal projects. For these tasks, all surveying and mapping work will be conducted by Terraquatic, Inc., and all engineering analyses and post-storm report development will be conducted by Foth | Olsen. Post-storm survey work is divided into seven tasks, numbered 12 through 20 (task 18 is omitted for 2026). A summary of the statement of work follows, and a statement of the proposed fees is attached to this letter.

Each post-storm task, 12 through 20, is to be completed on a contingency basis and requires written Notice to Proceed from the County. A description of the proposed means and methods to be used for completion of each survey task is included in the attached statement of work from Terraquatic, Inc.

Tasks 12 through 20: Post-storm beach survey

- Task 12 = Post-Storm R1 to R8 (8) Onshore/offshore profiles
- Task 13 = Post-Storm R1.5 to R7.5 (7) Wading depth profiles at intermediate monuments
- Task 14 = Post Storm R13 to R23 (11) Onshore/offshore profiles
- Task 15 = Post-storm T24 to R45 (22) Onshore/offshore profiles
- Task 16 = Post-Storm R61 to R67 (7) Onshore/offshore Profiles
- Task 17 = Post-Storm R61.5 to R66.5 (6) Wading depth profiles at intermediate monuments
- Task 18 = Intentionally left blank (R134 to R151)
- Task 19 = Post-Storm T152 to R164 (13) Onshore/offshore profiles

Deliverables and Project Timeline (Tasks 1 through 19)

Survey Deliverables

Final deliverables are described in the attached proposal from Terraquatic, Inc. Beach profiles field data collection will be completed within forty days (40) of the notice to proceed (NTP), unless otherwise directed by County. The processing and preparation of final (draft) deliverables shall be submitted within ninety days (90) of the NTP or 50 days after collection of the data, whichever is less. Deliverable dates are offered as weather permitting.

Task 20: Post-storm coordination

Task 20 is a lump sum allowance for Foth | Olsen to provide contract management, county and contractor coordination, and QA/QC for general compliance for post-storm survey work. This proposal is made under the assumption that authorization of any post-storm survey task will also include authorization of Task 20.

Tasks 21 and 22: FEMA Project Worksheet Assistance

Tasks 21 and 22 include allowance to provide professional coastal engineering services to assist the County in preparing engineering damage reports and cost analyses required to support the preparation of FEMA Category G Project Worksheets for four (4) County projects that have established engineered beach or dune sections following hurricane impacts. These projects are,

- Coral Cove (R-1 to R-7.5). Eligible infrastructure is a non-Federal engineered dune.

- South Jupiter (aka North County Comprehensive Shore Protection Project (NCCSPP) Segment II; R-19 to R-26). Currently eligible infrastructure is a non-Federal engineered dune.
- Juno Beach (aka NCCSPP; R-26 to R-38) Segment III. Eligible infrastructure is a non-Federal engineered beach and dune project.
- Singer Island (R-60.9 to R-67). Eligible infrastructure is a non-Federal engineered dune.

Execution of Tasks 21 and 22 will require written Notice To Proceed from County.

Task 21: Post-Storm Damage Assessment

Following the Federal disaster declaration associated with the impacts from a declared disaster (i.e., a hurricane), Palm Beach County is eligible to seek reimbursement for a portion of the cost to repair storm related damages to non-Federal engineered beaches and dunes through the FEMA Public Assistance Program. Such reimbursement is for the beaches and dunes that are eligible as Category G facilities. The Consultant shall document the locations of the qualifying engineered beaches and dunes and quantify the extent of storm related damages that may be eligible for reimbursement.

As directed by the County, the Consultant may prepare two reports; the first will be for the Juno Beach project and the second will be for the three dune projects, as described above. This proposal assumes that pre- and post-storm survey data will be provided by the County. For each project reach, the report(s) shall include the following information:

- Description of the previously constructed engineered beach or dune project limited to quantification of the historical alongshore limits of sand placement and the project description included in the permit(s) for the project.
- A summary of the storm event which resulted in the claimed losses.
- Quantification of volumetric losses due to the storm event.
- To be favorably considered by FEMA, computations of damages attributed to a given storm event should be based upon analysis of the pre- and post-storm surveys. This proposal assumes that the necessary surveys will be completed in conjunction with the County's annual physical monitoring efforts or will be otherwise supplied by the County. For beach renourishment projects, volume change computations shall extend seaward to the point of profile closure or as required by updated guidance from FEMA representatives. Measured volumes shall be adjusted for background erosion potential between pre- and post-storm surveys, as applicable.

Volume losses along dune only segments shall be computed above the representative seaward dune toe elevation(s), or as required by updated guidance from FEMA. Computations shall utilize an average-end-area methodology based upon the alongshore length of the engineered project and surveyed sectional volume change.

For all projects, volume change shall be calculated along the entire permitted project reach unless updated guidance provided by FEMA allows otherwise.

- For projects where no pre- and post-storm profile surveys are available, storm-related volume change will be reported according to field observations made by County staff and

provided to Olsen Associates. Please note that field observations are unlikely to be acceptable to FEMA for the purpose of quantifying storm damages.

- Preparation of an Engineer's opinion on probable cost to construct storm repairs for each segment.

As directed by the County, the Consultant shall summarize post-storm volumetric change along the Ocean Ridge (T152 to R159) and North County Comprehensive Shore Protection Project, Segment I (AKA Jupiter/Carlin, R13 to R19) reaches – both are federal projects and are ineligible for Category G assistance.

The Consultant assumes the following with respect to completion of Task 21:

- No additional survey data will be required.
- In the absence of other supporting documentation, quantification of storm-related losses to vegetation shall be based upon data supplied by the County.

Deliverables (Task 21)

As directed by the County, the Consultant shall prepare two draft summary reports, one for the Juno Beach project and a combined report for the dune only project segments. The draft reports will be submitted within 45 days of receipt of: Notice to Proceed, final survey data, and all necessary project documentation from the County. Final copies of each report shall be completed within 15 working days of receipt of County comments.

Task 22: Post-Storm Agency Coordination

As directed by the County, the Consultant shall coordinate with FEMA for purposes of finalizing the storm damage estimates required for completion of a Project Worksheet (PW) to secure FEMA funding assistance for the repairs to the eligible engineered beaches and dunes. Such coordination shall be limited to six (6) teleconferences with FEMA representatives. Coordination shall include two (2) revisions to each report submitted to the County which incorporates additional FEMA guidance.

Any additional work required as a result of agency coordination is not included in this proposal. In the event that additional work is required, modifications to this proposal shall be required.

Deliverables (Task 22)


The Consultant shall provide to the County, in writing, periodic updates regarding the coordination efforts with FEMA or digital copies of final reports which incorporate FEMA guidance.

Summary of Costs


Costs by task are detailed in the attached cost itemization table. The total proposed lump sum cost for all tasks is \$211,333.00. Of this amount, \$133,265.00 or 63.1% is allocated to Terraquatic, Inc., an SBE certified firm.

Should you have any questions, please do not hesitate to contact me at stev.howard@foth.com or 904-717-8367.

Sincerely,


Steve Howard, P.E.
Lead Coastal Engineer

Authorizing Signatures:


Christopher Creed, PE
Senior Coastal Engineer & Client Team Leader

Enclosure(s)

Cost Details
Terraquatic Proposal

Palm Beach County, Florida
 ANNUAL COASTAL ENGINEERING CONTRACT,
 COST SUMMARY

Task	Olsen Associates, Inc.	SBE Sub	CEG ODC's (WBE)	ODC's (non-SBE/WMBE firm)	Total
CSA: 2026 Beach Profile Surveys for Annual Physical Monitoring & FEMA Project Worksheet Assistance					
Task 1 (R-1 to R-8)	\$ 543.75	\$ 5,855.00			\$ 6,398.75
Task 2 (R1.5 to R7.5)	\$ 543.75	\$ 4,300.00			\$ 4,843.75
Task 3 (R-13 to R-23)	\$ 543.75	\$ 8,050.00			\$ 8,593.75
Task 4 (R-24 to R-45)	\$ 543.75	\$ 16,095.00			\$ 16,638.75
Task 5 (R-58 to R-75)	\$ 543.75	\$ 13,165.00			\$ 13,708.75
Task 6 (R-61.5 to R-66.5)	\$ 543.75	\$ 3,730.00			\$ 4,273.75
Task 7 (R-134 to R-151)	\$ 543.75	\$ 13,165.00			\$ 13,708.75
Task 8 (R-152 to R-164)	\$ 543.75	\$ 9,515.00			\$ 10,058.75
Task 9 : Jupiter Ebb Shoal	\$ -	\$ -			\$ -
Task 10: SLWI Ebb Shoal	\$ -	\$ -			\$ -
Task 11: SLWI Flood Shoal	\$ -	\$ -			\$ -
Subtotal (2026 Annual Physical Monitoring)	\$ 4,350.00	\$ 73,875.00	\$ -	\$ -	\$ 78,225.00
Task 12 (Post-Storm R-1 to R-8)	\$ -	\$ 6,485.00			\$ 6,485.00
Task 13 (Post-Storm R1.5 to R7.5)	\$ -	\$ 5,360.00			\$ 5,360.00
Task 14 (Post-Storm R-13 to R-23)	\$ -	\$ 8,915.00			\$ 8,915.00
Task 15 (Post-Storm R-24 to R-45)	\$ -	\$ 17,830.00			\$ 17,830.00
Task 16 (Post-Storm R-61 to R-67)	\$ -	\$ 5,675.00			\$ 5,675.00
Task 17 (Post-Storm R-61.5 to R-66.5)	\$ -	\$ 4,595.00			\$ 4,595.00
Task 18 (Intentionally left blank)	\$ -	\$ -			\$ -
Task 19 (Post-Storm R-152 to R-164)	\$ -	\$ 10,530.00			\$ 10,530.00
Task 20: Post-storm Coordination	\$ 3,067.00	\$ -			\$ 3,067.00
Subtotal (Post-Storm Physical Monitoring, NTP Required)	\$ 3,067.00	\$ 59,390.00	\$ -	\$ -	\$ 62,457.00
Task 21 (Post-Storm Damage Assessment)	\$ 38,489.00	\$ -			\$ 38,489.00
Task 22 (Agency Coordination)	\$ 32,162.00	\$ -			\$ 32,162.00
Subtotal (FEMA Project Worksheet Assistance, NTP Required)	\$ 70,651.00	\$ -	\$ -	\$ -	\$ 70,651.00
Total (All Tasks, Lump Sum)	\$ 78,068.00	\$ 133,265.00	\$ -	\$ -	\$ 211,333.00
SBE Participation (All Tasks)					63.1%

DIRECT LABOR										OUTSIDE SVS/SUB-CONTRACTORS		TOTAL
LABOR CATEGORY	Engineer / Scientist VI	Consultant III	Engineer / Scientist IV	Engineer / Scientist III	Engineer / Scientist II	Engineer / Scientist I	Technician II	Assistant II	COST	SERVICE	COST	
Rate (\$/hr)	\$ 289.00	\$ 223.00	\$ 166.00	\$ 138.00	\$ 130.00	\$ 124.00	\$ 121.00	\$ 116.00				
Task 1 (R-1 to R-8)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 5,855.00	\$ 6,398.75
Task 2 (R1.5 to R7.5)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 4,300.00	\$ 4,843.75
Task 3 (R-13 to R-23)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 8,050.00	\$ 8,593.75
Task 4 (R-24 to R-45)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 16,095.00	\$ 16,638.75
Task 5 (R-58 to R-75)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 13,185.00	\$ 13,728.75
Task 6 (R-61.5 to R-66.5)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 3,730.00	\$ 4,273.75
Task 7 (R-134 to R-151)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 13,185.00	\$ 13,728.75
Task 8 (R-152 to R-164)	0.50	0.75				1.25		0.75	\$ 543.75	Terraquatic	\$ 9,515.00	\$ 10,058.75
Task 9: Jupiter Ebb Shoal (No 2026 Work)									\$ -			\$ -
Task 10: SLWI Ebb Shoal (No 2026 Work)									\$ -			\$ -
Task 11: SLWI Flood Shoal (No 2026 Work)									\$ -			\$ -
Subtotal (Tasks 1-11, Direct Labor)									\$ 4,350.00	subtotal	\$ 73,875.00	\$ 78,225.00
Task 12 (Post-Storm R-1 to R-8)									\$ -	Terraquatic	\$ 6,485.00	\$ 6,485.00
Task 13 (Post-Storm R1.5 to R7.5)									\$ -	Terraquatic	\$ 5,360.00	\$ 5,360.00
Task 14 (Post-Storm R-13 to R-23)									\$ -	Terraquatic	\$ 8,915.00	\$ 8,915.00
Task 15 (Post-Storm R-24 to R-45)									\$ -	Terraquatic	\$ 17,830.00	\$ 17,830.00
Task 16 (Post-Storm R-61 to R-67)									\$ -	Terraquatic	\$ 5,675.00	\$ 5,675.00
Task 17 (Post-Storm R-61.5 to R-66.5)									\$ -	Terraquatic	\$ 4,595.00	\$ 4,595.00
Task 18 (Intentionally left blank)									\$ -	Terraquatic		\$ -
Task 19 (Post-Storm R-152 to R-164)									\$ -	Terraquatic	\$ 10,530.00	\$ 10,530.00
Task 20: Post-storm Coordination	2.00	7.00				5.00		3.00	\$ 3,067.00			
Subtotal (Tasks 12-20, Direct Labor)									\$ 3,067.00	subtotal	\$ 59,390.00	\$ 62,457.00
Task 21 (Post-Storm Damage Assessment)												
Admin. / Management	4.00	10.00						8.00	\$ 4,234.00			\$ 4,234.00
Engineering / Design									\$ -			\$ -
Analysis / Modeling		24.00				16.00			\$ 7,336.00			\$ 7,336.00
Fieldwork									\$ -			\$ -
Travel									\$ -			\$ -
Liason	12.00	12.00							\$ 5,904.00			\$ 5,904.00
Report Preparation		80.00		8.00			8.00		\$ 19,670.00			\$ 19,670.00
QA/QC	5.00								\$ 1,345.00			\$ 1,345.00
Subtotal (Task 21, Direct Labor)									\$ 38,489.00	subtotal	\$ -	\$ 38,489.00
Task 22 (Agency Coordination)												
Admin. / Management	2							8.00	\$ 1,466.00			\$ 1,466.00
Engineering / Design		32.00							\$ 7,136.00			\$ 7,136.00
Analysis / Modeling		32.00							\$ 7,136.00			\$ 7,136.00
Fieldwork									\$ -			\$ -
Travel									\$ -			\$ -
Liason	8	32.00							\$ 9,288.00			\$ 9,288.00
Report Preparation		32.00							\$ 7,136.00			\$ 7,136.00
QA/QC									\$ -			\$ -
Subtotal (Task 22, Direct Labor)									\$ 32,162.00	subtotal	\$ -	\$ 32,162.00
SUBTOTAL (Tasks 1 through 11)									\$ 4,350.00		\$ 73,875.00	\$ 78,225.00
SUBTOTAL (Tasks 12 through 20, NTP Required)									\$ 3,067.00		\$ 59,390.00	\$ 62,457.00
SUBTOTAL (Tasks 21 and 22, NTP Required)									\$ 70,651.00		\$ -	\$ 70,651.00
TOTAL (Tasks 1 through 22)									\$ 78,068.00		\$ 133,265.00	\$ 211,333.00

Terraquatic, Inc.
1220 Tangelo Terrace Unit A-12
Delray Beach, Florida 33444

January 22, 2026

Steven C. Howard, P.E., D.CE
Foth
2618 Herschel Street
Jacksonville, Florida 32204

RE: Professional Surveying and Mapping Proposal
Hydrographic / Topographic Surveying & Mapping
Onshore / Offshore Profiles
2026 Annual Monitoring & Post-Storm Events
Palm Beach County, Florida

Dear Steven,

In accordance with your request, Terraquatic Inc. is pleased to provide the following proposal for professional services pertaining to the above-mentioned project. The scope of work shall encompass collecting a total of ninety (90) onshore / offshore FDEP profile lines and thirteen (13) intermediate or half-monument wading depth profiles, as follows:

- | | |
|--------------------------------------|---|
| • Task 1: R1 to R8 | (8) Onshore/offshore profiles |
| • Task 2: R1.5 to R7.5 | (7) Wading depth profiles at intermediate monuments |
| • Task 3: R13 to R23 | (11) Onshore/offshore profiles |
| • Task 4: T24 to R45 | (22) Onshore/offshore profiles |
| • Task 5: R58 to R75 | (18) Onshore/offshore Profiles |
| • Task 6: R61.5 to R66.5 | (6) Wading depth profiles at intermediate monuments |
| • Task 7: R134 to R151 | (18) Onshore/offshore profiles |
| • Task 8: T152 to R164 | (13) Onshore/offshore profiles |
| • Task 9: Jupiter Ebb Shoal Survey | |
| • Task 10: SLWI Ebb Shoal Survey | |
| • Task 11: SLWI Flood Shoal Survey | |
| • Task 12: Post-Storm R1 to R8 | (8) Onshore/offshore profiles |
| • Task 13: Post-Storm R1.5 to R7.5 | (7) Wading depth profiles at intermediate monuments |
| • Task 14: Post Storm R13 to R23 | (11) Onshore/offshore profiles |
| • Task 15: Post-storm T24 to R45 | (22) Onshore/offshore profiles |
| • Task 16: Post-Storm R61 to R67 | (7) Onshore/offshore Profiles |
| • Task 17: Post-Storm R61.5 to R66.5 | (6) Wading depth profiles at intermediate monuments |
| • Task 18: Post-Storm R134 to R151 | |
| • Task 19: Post-Storm T152 to R164 | (13) Onshore/offshore profiles |

**Task 9, 10, 11 and 18 have been intentionally left blank. No action required for 2026.*

The scope of this survey task shall be consistent with that described in the scope / task list of services you requested via electronic mail dated January 22, 2026. All survey operations will be conducted under the direct responsible charge of a Florida Licensed Professional Surveyor and Mapper and will be in accordance with the "Standards of Practice" set forth in Florida Statute 472, Administrative Code 5J17.

Beach Profiles:

Terraquatic, Inc. shall follow the above-described scope of services for the beach profiles as follows:

- **Planning and compiling historic profile information:**
 - Obtain all necessary profile and beach information needed to assist in survey planning and scheduling, such as recent aerial images, previous monitoring report containing all profile control dates, photographs, positions, elevations, and historical azimuths.
- **Reconnaissance of profile monuments and controlling survey stations**
 - Upload all profile and control station positions into the GPS data collector.
 - All profile data shall be positioned using the second-order control monuments found in the field and calibrated into the network using GPS radio and/or internet base station control established or recovered from control monuments (typically "A" stations).
 - Once a network is established it will be used to navigate to each profile control station at which time a photograph will be taken along with verification of monument stamping, condition, and completeness of to reach description.
 - Results of field profile control reconnaissance information will be inserted into the FDEP control spreadsheet for both profile control and survey second-order control stations.
- **Upland profile data collection**
 - Upland profile data shall be collected using whatever necessary survey methods are needed, such as rod, level and measuring tape, total station or RTK GPS methods and combinations depending on the environmental conditions.
 - Data shall be collected in accordance with the "Physical Monitoring Manual" prepared by FDEP and edited October 2014.
 - Upland data shall commence from each profile control station and extend landward to the limits as defined in the FDEP manual and extend seaward defining all material changes, such as vegetation, dunes, boardwalks, pavement, sand or rock and changes in grade greater than six inches (6").
 - Profile data shall extend into the water to yield a depth sufficient to establish continuity with the offshore profile data.
- **Wading Depth-Half Monument Profiles**
 - This task shall be conducted following the same guidelines as the upland profile data collection methodologies and techniques.
 - These "Half Monument" profiles shall be collected along profiles placed at a mid-point between adjacent historic profiles and an azimuth either on an average of the adjacent profiles or on a preapproved azimuth directed by the client.
 - Half monument profiles shall extend seaward from the hypothetical profile control point to a minimum depth of approximately minus four feet (-4 foot), NAVD, 88.

- **Offshore Profile**
 - Horizontal and vertical control of the offshore profile shall be measured using the network previously established for the upland data collection in conjunction with a dual antenna RTK Differential GPS. This GPS (Trimble BX-992 or similar) has manufacturers horizontal and vertical accuracy tolerances of 2cm.
 - Horizontal and vertical checks shall be conducted at the start and end of each day to confirm position and tide or vertical control accuracies.
 - Horizontal checks will be conducted using existing or established control points set or verified relative to the project GPS network.
 - Vertical or tide checks will be conducted using vertical control points either existing or established points set or verified relative to the project GPS network. This check is conducted by measuring to the existing water level (from stated network control) and monitoring the tide level being calculated on the vessel's navigation computer. Adjustments are made to the antenna offset to dial-in the correct tide readings.
 - The GPS unit is also used to aid an inertial navigation sensor that provides vessel motion such as heave, pitch, and roll. The SBG model "Ekinox2 "E" unit can also be used to post-process vessel positioning and provide real-time inertial guidance during weak or poor GPS periods or near unsuitable GPS conditions, such as piers, bridges, or large ships.
 - To measure depths a fully digital dual frequency survey grade sounder will be used in conjunction with a 200kHz narrow beam (3°) transducer. The sounder records an interactive digital trace of the seafloor for archive and post-processing purposes.
 - The sounder's draft and speed of sound are calibrated at the start and end of each survey day using standard bar-check calibration and sound velocity casts. The bar check is conducted using a flat plate or disc suspended by a graduated cable or chain incremented at five-foot intervals. The bar is then suspended below the sounder transducer for calibration. The bar check is conducted from a minimum depth of (5 feet) to a depth within five feet of the maximum survey depth or a maximum of sixty-feet (60'). The sound velocity casts are conducted using a velocity probe (Castaway or similar) which records water continuity, temperature, and depth (CTD) throughout the water column.
 - The sound velocity profile of the water column is applied prior to data collection as needed or during post-processing.

- **Offshore Data Collection**
 - The vessel operator shall navigate the vessel along the historic profile azimuth using "Hypack" data acquisition and navigation software.
 - Sounding data shall be collected continuously along the profile while recording depth, position, time, date, GPS quality, tide, and vessel position relative to the transect.
 - Offshore profiles shall extend from the nearshore limits of the survey vessel, ensuring a sufficient depth to establish continuity with the upland profile data and extend seaward to -32-foot (NAVD, 88) or one-mile whichever is further.
 - Digital sounder records (charts) are recorded simultaneously along with depths to a digital file (*.BIN) which is used for archive records, post-processing, and QA/QC purposes.

- **Data Review, Processing and Charting**
 - Upon completion of all field data collection both upland and offshore profile data are reviewed and processed to the project vertical datum, elevations in feet referenced to NAVD, 88. Each profile set (upland and offshore) shall be overlaid prior to merging to confirm vertical closure meets the requirements set forth in the Monitoring Standards.
 - Final merged data sets will be formatted to required Ascii XYZ and FDEP acceptable data formats.
 - The final XYZ data set shall be imported to a Computer Aided Design (CAD *.DWG) program for production of plan-view, profile, final digital and hard copy charts.

Final Deliverables Beach Profiles

- AutoCAD format files (*.dwg) showing data in plan and profile view.
- Digital Final Deliverable (PDF) electronically signed and sealed, 11" x 17" format, plan view and profile surveys.
- Surveyor Certification – Survey Report
- Field book copies in PDF format
- Survey report/monument control report
- QA/AC Report
- ASCII final XYZ data file
- FDEP acceptable formatted data files
- ASCII monument information file
- Digital photos of monument locations
- Metadata files
- Completed GIS Data Sheet

** Deliverables shall be provided in an electronically certified digital format and delivered via FTP or other electronic means.*

Cost: Annual / Post-Storm Monitoring

Onshore / Offshore Profiles

The cost for the above-described services shall be as follows:

- Task 1: R1 to R8 (8) Profiles \$ 5,855.00
- Task 3: R-13 to T-23 (11) Profiles \$ 8,050.00
- Task 4: T-24 to R-45 (22) Profiles \$16,095.00
- Task 5: R-58 to R-75, (18) Profiles \$13,165.00
- Task 7: R-134 to R-151, (18) Profiles \$13,165.00
- Task 8: T-152 to R-164, (13) Profiles \$ 9,515.00

Beach Profiles (90), Onshore / Offshore, lump sum fee: \$65,845.00

*See Appendix A: Cost Breakdown.

Cost: Upland Wading Depth Half Monument Profiles

The cost for upland / onshore profiles shall be as follows:

- Task 2: R1.5 to R-7.5 (7) ½ monument profiles \$ 4,300.00
- Task 6: R-61.5 to R-66.5, (6) ½ monument profiles \$ 3,730.00

Wading Depth Beach Profiles (13), Onshore, lump sum fee: \$ 8,030.00

*See Appendix A: Cost Breakdown.

Terraquatic, Inc.
1220 Tangelo Terrace Unit A-12
Delray Beach, Florida 33444



Post-Storm Surveys - Contingency
Onshore / Offshore Profiles

The cost for the above-described services shall be as follows:

- Task 12: R1 to R8 (8) Profiles \$ 6,485.00
- Task 14: R-13 to T-23 (11) Profiles \$ 8,915.00
- Task 15: T-24 to R-45 (22) Profiles \$17,830.00
- Task 16: R-61 to R-67, (7) Profiles \$ 5,675.00
- Task 18: *Intentionally left blank – No 2026 Action*
- Task 19: T-152 to R-164, (13) Profiles \$10,530.00

Beach Profiles (61), Onshore / Offshore, lump sum fee: \$49,435.00
*See Appendix A: Cost Breakdown.

Cost: Upland Wading Depth Half Monument Profiles

The cost for upland / onshore profiles shall be as follows:

- Task 13: R1.5 to R-7.5 (7) ½ monument profiles \$ 5,360.00
- Task 17: R-61.5 to R-66.5, (6) ½ monument profiles \$ 4,595.00

Wading Depth Beach Profiles (13), Onshore, lump sum fee: \$ 9,955.00

*See Appendix A: Cost Breakdown.

Ebb and Flood Shoal Bathymetric Surveys

- **Task 9: Jupiter Inlet ebb-shoal survey:**
 - *Intentionally left blank – No 2026 Action*
- **Task 10: South Lake Worth Inlet ebb-shoals survey:**
 - *Intentionally left blank – No 2026 Action*
- **Task 11: South Lake Worth Inlet flood shoal survey:**
 - *Intentionally left blank – No 2026 Action*

We appreciate the opportunity to provide this proposal and look forward to the opportunity of conducting this year's survey for Foth I Olsen & Palm Beach County.

Sincerely,
Terraquatic, Inc.

Joshua Lee, PSM
Terraquatic, Inc.

Appendix A: Cost Breakdown

2026 Annual Beach Profile Monitoring

Profiles R-1 to R-8, R-13 to T-23, R-24 to R-45, R-58 to R-75, R-134 to R-151, T-152 to R-164, 90-Profiles

Onshore / Offshore Profiles

Cost Breakdown:

Crew / Services	Estimated Hours	Regular Hourly Rate	Unit	Total Cost
2- Person GPS Crew	45	\$175.00	Crew Hour	\$7,875
3-Person GPS Crew	95	\$230.00	Crew Hour	\$21,850
3-Person Hydrographic Crew	50	\$270.00	Crew Hour	\$13,500
Computer / Processing CADD				
Computer / Processing CADD	70	\$150.00	Per Hour	\$10,500
Field Survey Manager / Planning	54	\$95.00	Per Hour	\$5,130
Project Manager	33	\$150.00	Per Hour	\$4,950
Professional Surveyor & Mapper	11.66	\$175.00	Per Hour	\$2,040
Total Cost:				\$65,845.00

2026 Annual Beach Profile Monitoring

Half Monument Wading Depth Profile: R1 to R8 & R61 to R66 - 13- Profiles

Onshore Profiles

Cost Breakdown:

Crew / Services	Estimated Hours	Regular Hourly Rate	Unit	Total Cost
2- Person GPS Crew	0	\$175.00	Crew Hour	\$0.00
3-Person GPS Crew	24	\$230.00	Crew Hour	\$5,520.00
3-Person Hydrographic Crew	0	\$270.00	Crew Hour	\$0.00
Computer / Processing CADD				
Computer / Processing CADD	8	\$150.00	Per Hour	\$1,200.00
Field Survey Manager / Planning	4	\$95.00	Per Hour	\$380.00
Project Manager	4	\$150.00	Per Hour	\$600.00
Professional Surveyor & Mapper	1.89	\$175.00	Per Hour	\$330.00
Total Cost:				\$8,030.00

2026 Post-Storm Beach Profiles

*Profiles R-1 to R-8, R-13 to T-23, R-24 to R-45, R-61 to R-67, T-152 to R-164
61-Profiles*

Onshore / Offshore Profiles

Cost Breakdown:

Crew / Services	Estimated Hours	Regular Hourly Rate	Unit	Total Cost
2- Person GPS Crew	34	\$175.00	Crew Hour	\$5,950
3-Person GPS Crew	76	\$230.00	Crew Hour	\$17,480
3-Person Hydrographic Crew	38	\$270.00	Crew Hour	\$10,260
Computer / Processing CADD				
Computer / Processing CADD	58	\$150.00	Per Hour	\$8,700
Field Survey Manager / Planning	34	\$95.00	Per Hour	\$3,230
Project Manager	19	\$150.00	Per Hour	\$2,850
Professional Surveyor & Mapper	5.52	\$175.00	Per Hour	\$965
Total Cost:				\$49,435.00

2026 Post-Storm Beach Profiles

Half Monument Wading Depth Profile: R1 to R8 & R61 to R66 - 13-Profiles

Onshore Profiles

Cost Breakdown:

Crew / Services	Estimated Hours	Regular Hourly Rate	Unit	Total Cost
2- Person GPS Crew	0	\$175.00	Crew Hour	\$0.00
3-Person GPS Crew	32	\$230.00	Crew Hour	\$7,360.00
3-Person Hydrographic Crew	0	\$270.00	Crew Hour	\$0.00
Computer / Processing CADD				
Computer / Processing CADD	8	\$150.00	Per Hour	\$1,200.00
Field Survey Manager / Planning	4.5	\$95.00	Per Hour	\$427.00
Project Manager	4.12	\$150.00	Per Hour	\$618.00
Professional Surveyor & Mapper	2	\$175.00	Per Hour	\$350.00
Total Cost:				\$9,955.00



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/04/2025

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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Towers Watson Midwest, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: WTW Certificate Center	
	PHONE (A/C, No, Ext): 1-877-945-7378	FAX (A/C, No): 1-888-467-2378
E-MAIL ADDRESS: certificates@wtwco.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Lexington Insurance Company		19437
INSURER B:		
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** W41680086 **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, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	037205326	03/01/2025	06/01/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 1,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 25,000			015438053	03/01/2025	06/01/2026	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional Liability			026154181	03/01/2025	06/01/2026	Each Claim \$1,000,000 Aggregate \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 This voids and replaces previously issued certificate dated 10/31/2025 with ID: W41562741.

 Professional Liability Coverage is written on a claims-made basis.
 Professional Liability Retroactive Date: 1/1/1938

 Re: Coastal and Marine Engineering Professional Continuing Services Contract, Project # ERM-CCNA-2025

CERTIFICATE HOLDER Palm Beach County Board of County Commissioners c/o Dept. of Environmental Resources Management 2300 North Jog Road, 4th Floor West Palm Beach, FL 33411-2743	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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ADDITIONAL REMARKS SCHEDULE

AGENCY Willis Towers Watson Midwest, Inc.		NAMED INSURED Foth Infrastructure & Environment, LLC 2121 Innovation Court De Pere, WI 54115	
POLICY NUMBER See Page 1			
CARRIER See Page 1	NAIC CODE See Page 1	EFFECTIVE DATE: See Page 1	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees, and Agents are included as Additional Insureds as respects to General Liability.

General Liability policy shall be Primary and Non-contributory with any other insurance in force for or which may be purchased by Additional Insureds.

Waiver of Subrogation applies in favor of COUNTY, its officers, employees and agents with respects to General Liability.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
12/18/2025

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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Central, Inc. Green Bay WI Office 1175 Lombardi Avenue Suite 350 Green Bay WI 54304 USA	CONTACT NAME: PHONE (A/C. No. Ext): (920) 437-7123 FAX (A/C. No.): (920) 431-6345	
	E-MAIL ADDRESS:	
INSURED Foth Infrastructure & Environment, LLC P.O. BOX 5095 DE PERE WI 54115-5095 USA	INSURER(S) AFFORDING COVERAGE	
	INSURER A: The Charter Oak Fire Insurance Company	25615
	INSURER B: The Travelers Indemnity Co of CT	25682
	INSURER C: Great American Insurance Co.	16691
	INSURER D:	
	INSURER E:	

COVERAGES **CERTIFICATE NUMBER:** 570117138997 **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, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **Limits shown are as requested**

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			8102L49594A2643G BUSINESS AUTO	01/01/2026	01/01/2027	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION						EACH OCCURRENCE AGGREGATE
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	UB9H9261402643E WORKERS COMPENSATION	01/01/2026	01/01/2027	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
C	Hull & Liability Coverage - Marine			OMH401657608 Marine Package	01/01/2026	06/01/2026	Hull & P&I \$374,123 P&I \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: COASTAL AND MARINE ENGINEERING PROFESSIONAL CONTINUING SERVICES CONTRACT, PROJECT #ERM-CCNA-2025. A WAIVER OF SUBROGATION IS GRANTED IN FAVOR OF PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS, PALM BEACH COUNTY, ITS OFFICERS, EMPLOYEES, AND AGENTS IN ACCORDANCE WITH THE POLICY PROVISIONS OF THE AUTO LIABILITY AND WORKERS COMPENSATION POLICIES. SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE POLICY PROVISIONS WILL GOVERN HOW NOTICE OF CANCELLATION MAY BE DELIVERED TO CERTIFICATE HOLDERS IN ACCORDANCE WITH THE POLICY PROVISIONS OF EACH POLICY. ABOVE WORKERS COMPENSATION POLICY INCLUDES COVERAGE FOR USL&H PER POLICY PROVISIONS AND ATTACHED ENDORSEMENTS.

CERTIFICATE HOLDER PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS C/O DEPT OF ENVIRONMENTAL RESOURCES MANAGEMENT 2300 NORTH JOG ROAD, 4TH FLOOR WEST PALM BEACH FL 33411 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Services Central, Inc.</i>
--	--





CERTIFICATE OF AIRCRAFT INSURANCE

DATE(MM/DD/YYYY)
11/05/2025

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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Central, Inc. Green Bay WI Office 1175 Lombardi Avenue Suite 350 Green Bay WI 54304 USA	CONTACT NAME: PHONE (A/C. No. Ext): (920) 437-7123 FAX (A/C. No.): (920) 431-6345	
	E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: 10060858	
INSURED Foth Infrastructure & Environment, LLC P.O. BOX 5095 DE PERE WI 54115-5095 USA	INSURER(S) AFFORDING COVERAGE	
	INSURER A: ACE American Insurance Company	% 50 NAIC # 22667
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

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, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **Limits shown are as requested**

POLICY INFORMATION		CERTIFICATE NUMBER: 570116544402	REVISION NUMBER:
POLICY TYPE <input type="checkbox"/> INDUSTRIAL AID <input type="checkbox"/> PLEASURE & BUS <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> NON-OWNED		LINE OF BUSINESS SUBCODE <input type="checkbox"/> AIRPLANE <input type="checkbox"/> HELICOPTER <input type="checkbox"/> MIXED FLEET <input type="checkbox"/> EXCESS <input type="checkbox"/> QUOTA SHARE <input type="checkbox"/> LIABILITY ONLY <input type="checkbox"/> HULL & LIABILITY <input type="checkbox"/> HULL ONLY	

AIRCRAFT INFORMATION		ACCORD 333, Aircraft Schedule Attached		
YEAR	MAKE	MODEL	SERIAL NUMBER	REGISTRATION NUMBER
TERRITORY:				

INSURER LETTER	POLICY NUMBER	EFFECTIVE DATE	EXPIRATION DATE	ADDITIONAL INSURED ? (Y/N)	SUBROGATION WAIVED? (Y/N)
A	UAT1062464 Drone Liability	09/23/2025	09/23/2026	N	N

COVERAGE	OPTIONS	LIMIT	APPLIES TO	LIMIT	APPLIES TO
AIRCRAFT HULL					
AIRCRAFT LIABILITY		\$2,000,000	EA OCC		EA PER
		\$2,000,000	EA PASS		AGGR
MEDICAL PAYMENTS	INCLUDING CREW EXCLUDING CREW		EA PER		

COVERAGE	OPTIONS	LIMIT	APPLIES TO	LIMIT	APPLIES TO
CODE	DESCRIPTION				

DESCRIPTION OF OPERATIONS / REMARKS (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: COASTAL AND MARINE ENGINEERING PROFESSIONAL CONTINUING SERVICES CONTRACT, PROJECT #ERM-CCNA-2025

CERTIFICATE HOLDER PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS C/O DEPT OF ENVIRONMENTAL RESOURCES MANAGEMENT 2300 NORTH JOG ROAD, 4TH FLOOR WEST PALM BEACH FL 33411 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Services Central, Inc.</i>
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ACORD 21 (2016/03)

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Holder Identifier : =

Certificate No : 570116544402



2025 FOREIGN LIMITED LIABILITY COMPANY ANNUAL REPORT

DOCUMENT# M07000000099

Entity Name: FOTH INFRASTRUCTURE & ENVIRONMENT, LLC

Current Principal Place of Business:

2121 INNOVATION COURT
SUITE 100
DE PERE, WI 54115

Current Mailing Address:

2121 INNOVATION COURT
SUITE 100
DE PERE, WI 54115 US

FEI Number: 20-5814224

Certificate of Status Desired: No

Name and Address of Current Registered Agent:

NRAI SERVICES, INC
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent

Date

Authorized Person(s) Detail :

Title MGR
Name HOMEL, RANDALL J
Address 2121 INNOVATION COURT
City-State-Zip: DE PERE WI 54115

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: RANDALL J. HOMEL

MANAGER

03/13/2025

Electronic Signature of Signing Authorized Person(s) Detail

Date



2618 Herschel Street
Jacksonville, FL 32204
(904) 387-6114
foth.com

May 28, 2025

Palm Beach County, FL
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411

Re: Palm Beach County, FL - Authorization to Sign

To Whom it May Concern:

I certify that I am the President and Manager of Foth Infrastructure & Environment, LLC (hereinafter "Foth") and, as an authorized officer of Foth, I certify that the names of the individuals identified below are currently, as of the date above, authorized to sign contracts and other legally binding documents related to contracts with the Palm Beach County on behalf of Foth, along with myself, retroactive to February 10, 2025:

Authorized Signatory Name	Title
Christopher Creed	Senior Client Manager
Susan Davis	Vice President of Risk Management
Steve Howard	Lead Coastal Engineer
Scott Skuncik	Market Leader
Carrie Voskuil	Senior Contracts Manager

Sincerely,

Foth Infrastructure & Environment, LLC

A handwritten signature in cursive script that reads "Randall J. Homel".

Randall J. Homel
President and Manager