

Attachment A
Proposal Checklist

PROPOSAL CHECKLIST

1. _____ LETTER OF TRANSMITTAL (Not Included)

2. _____ TECHNICAL PROPOSAL - PACKAGE NO. 1

- PART I - TECHNICAL STATEMENT - QUALIFICATIONS
- PART II – TECHNICAL STATEMENT - EXPERIENCE
- PART III – TECHNICAL STATEMENT - PROJECT APPROACH
- PART IV – TECHNICAL STATEMENT - FINANCIAL INFORMATION
- OTHER FORMS LISTED BELOW

Bidders shall execute and include the following with
Package No. 1:

- Indemnification Form – Attachment K
- Anti-Kickback Affidavit – Attachment L
- Public Entity Crimes Form – Attachment M
- Non-Collusion Declaration and Compliance - Attachment N
- Florida Trench Safety Act Compliance – Attachment O
- Cone of Silence Affidavit – Attachment P
- Equal Benefits for Domestic Partners Affidavit – Attachment Q

Failure to include the above forms may result in a
determination that the proposal is non-responsive.

3. _____ COST PROPOSAL - PACKAGE NO. 2

(SEPARATE FROM PACKAGE NO. 1 & SEALED)

- COST PROPOSAL
- BID BOND
- PRELIMINARY SCHEDULE OF VALUES

EBSARY

foundation company

MARINE AND ENGINEERING CONSTRUCTION
2154 N.W. North River Drive, Miami, Florida 33125-2297
Ofc. (305) 325-0530 • CC.# E-502 • Fax (305) 325-8684

TO City of Key West
1300 White Street
Key West, FL 33040

LETTER OF TRANSMITTAL

DATE March 2, 2017	JOB NO. RFP 004-17
ATTENTION: Devon Steckly	
RE: Design Build Services for Truman Annex / NOAA Seawall	

WE ARE SENDING YOU Attached Under separate cover, via _____, the following items:
 Shop drawings Prints Plans Calculations Specifications
 Letter Change Order Other: _____

Copies	Date	Description
2	2-Mar-2017	Technical Proposal - Package #1
2	2-Mar-2017	Cost Proposal - Package #2
2	2-Mar-2017	Technical Proposal - Package #1 - Flash Drive

THESE ARE TRANSMITTED as checked below:

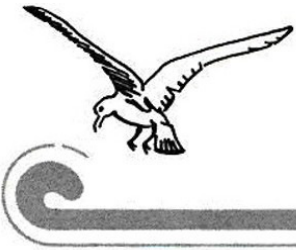
For approval For your use As requested
 Other: _____

REMARKS

SIGNED: Matthew Shiring

ACCEPTED BY: _____


cc:



EBSARY

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MARINE AND ENGINEERING CONSTRUCTION

Design Build Project Proposal Truman Annex / NOAA Seawall RFP 004-17



EBSARY FOUNDATION CO.

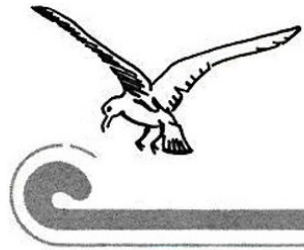
2154 NORTHWEST NORTH RIVER DRIVE

MIAMI, FLORIDA.

Key West, Florida

March 2nd, 2017

Incorporated 1930



EBSARY

foundation company

EBSARY COMPANY HISTORY

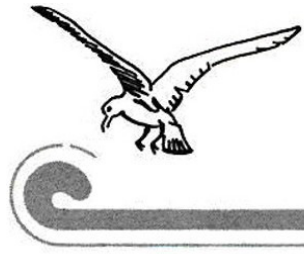
In 1922, Ebsary Foundation Company began as a partnership between Henry L. Ebsary and a man named Mr. Comer, who was believed to be a Key West Marine Contractor. The first job the Comer-Ebsary Partnership performed was the original City of Miami Docks near the site of today's Bayside Marina and by 1928 the Comer-Ebsary partnership completed the foundation system for the Second Avenue Bridge over the Miami River. Ebsary Foundation Company was formally incorporated in 1930 by brothers William H. and Henry L. (Lew) Ebsary with initial capitalization of \$500. Since 1930, four generations of the Ebsary family have guided the company in its primary construction business of installing all types of foundation systems.

In 1940, Henry L. Ebsary passed the company to two of his sons, William L. (Bill) Ebsary and Richard H. (Dick) Ebsary who continued to manage and grow the company for 35 years. In the late 1940's Bill and Dick Ebsary purchased the Miami River waterfront property at 2154 NW North River Drive in Miami FL, where it is headquartered today. In 1975, Dick Ebsary passed ownership of the company to his son Richard W. Ebsary and his cousin Bob Ebsary. Eventually, Richard W. Ebsary purchased full ownership of the Company and remained President and sole owner until 2010. After serving 16 years with Ebsary Foundation Company including 12 years as Vice President, Scott A. Alfele, the Great Grandson of founder Henry L. Ebsary, became a shareholder and its current President.

Since 1922, Ebsary Foundation Company has continued to provide innovative foundation and construction services to the Southeastern United States and the Caribbean. Ebsary has almost 90 years of experience in all types of foundation installation which has provided extensive understanding and expertise in all of Florida's geotechnical conditions. Since its inception, Ebsary has built numerous landmark and historical structures in South Florida; examples include, large sections of the seawall and bulkhead at the Port of Miami and Port Everglades, the original Pan American Airlines Seaplane Ramp and bulkhead on Dinner Key in Coconut Grove, FL, the foundation system for the Miami Metromover and track sections for the Metrorail System; the US Coast Guard Bridge on Miami Beach, and during WWII, the construction of the docks for Miami Ship Building Corp, a contractor building boats for the U.S. Navy.

Ebsary Foundation Company has recently renovated it's entire waterfront bulkhead and barge slip to include a rebuilt industrial seawall and maintenance dredge which will allow for convenient waterway access for its marine equipment for the foreseeable future.

Ebsary Foundation Company Specializes in Bridge Construction, Marine Construction, Augered Cast-in-Place Foundation Piling, Caissons and Drilled Shafts, Steel Sheet Piling and Support of Excavation, Design and Construction of Cofferdams, Tremie Seal placement, Driven Concrete, Steel and Timber Piling, Seawalls and Bulkheads, Mooring Dolphins and Fender Systems, Docks and Marinas and Dredging



EBSARY

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STATEMENT OF QUALIFICATIONS

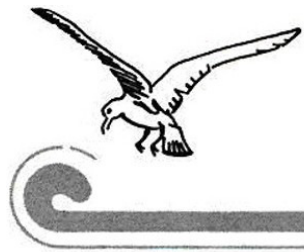
Ebsary Foundation Company is General Contractor who self-performs the most difficult and challenging portions of work our contracts. We have the most qualified operators and journeymen through our unions and we own and operate all our specialty foundation, marine and foundation equipment. We own all of the pile installation hammers, drills, cranes, tugboats, barges, drill rigs, welding machines and work floats that are necessary for our projects.

Ebsary Foundation Company has exceptionally qualified marine superintendents and managers to supervise and build our projects. We do not hire individuals simply to manage a job for us, we have long term employees who stay with our company because they care about the company and the work we perform and have the experience and ability to effectively resolve most every issue that arises on marine and foundation construction projects.

All Ebsary field employees receive the highest standards of training and certification prior to being sent of the job. All Journeymen have, at a minimum, 10-hour OSHA training, rigger and signalman certification, CPR and First Aid Training and Flagger Training; all welders are certified with AWS D1.1 or AWS D1.5; and all crane operators are certified through the National Certified Crane Operator (NCCO) training and have had a minimum of two years' experience in crane operation. Additionally, Ebsary is a 100% drug free work place, participates in a State Sponsored Apprenticeship Program, has annual refresher training for all field staff and Ebsary has a comprehensive safety program that has yielded an Experience Modifier Rate (EMR) of 0.69.

Ebsary Foundation Company has more history and experience performing deep foundations and marine construction than nearly any other local contractor available. Ebsary has been in business performing Foundation, Marine, Engineering and Bridge Construction in South Florida for more than 90 years and is presently the 18th oldest Miami Based Company that is still operating under the same name. Since Ebsary's inception, its primary core competency has been deep foundations and marine construction in South Florida; no one knows the South Florida geotechnical conditions better than Ebsary.

In recent years, Ebsary Foundation Company has self-performed countless deep foundation marine construction projects for a multitude of Federal, State and Municipal Government Agencies, as well as a few private clients. Some of our largest clients include the following; Port Miami, Port Everglades, Miami Dade Water and Sewer Department, City of Miami Capital Improvements Program, U.S. Army Corps of Engineers, South Florida Water Management District, City of Key West, Florida Department of Transportation, City of Sunny Isles Beach, Florida Power and Light, St. Johns Water Management District, City of North Miami, City of Miami Beach, Miami Dade Expressway Authority, Fisher Island Community Association, Flagstone Island Gardens and many more.



EBSARY

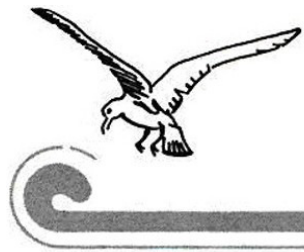
foundation company

1. TRADE REFERENCES

- 1.1. Moss & Associates – Scott DeSharnais – (305) 444-8164 – sdesharnais@mossemail.com
- 1.2. Harry Pepper & Associates, Inc. – Willie Dobes – 904-721-3300 – Wdobes@hpepper.com
- 1.3. Hayward Baker, Inc. – Curtis Cook – (813) 884-3441 – crcook@haywardbaker.com
- 1.4. Odebrecht Construction Company, Inc. – Luiz Simon – (305) 341-8800 – lsimon@odebrecht.com
- 1.5. Miami Dade County Seaport Department, Construction Management – Kari Garland – (305) 347-4891 – Kari@miamidade.gov
- 1.6. Construction Engineering Consultants – Mike Bone, PE – (954) 922-6917 - mbone@ceconstruct.com
- 1.7. Atkins Global - Bill Pitcher – (786) 412-2201 – bill.pitcher@atkinsglobal.com
- 1.8. State Contracting & Engineering Corp. – Barry Transleau – (954) 923-4747 - btransleau@statecontracting.com
- 1.9. Florida Erection Service, Inc. – Glen McClendon – (954) 421-0575
- 1.10. Wantman Group, Inc. – Michael LeComte – (954) 660-1660 – Michael.LeComte@WantmanGroup.com
- 1.11. NV5 (KACO) – Barry Goldstein – (305) 666-3563 – barry@kaderabek.com
- 1.12. Moffatt & Nichol – Tim Blankenship – (305) 230-1924 – tblankenship@moffattnichol.com
- 1.13. Ocean Consulting, LLC – Kirk Lofgren – (305) 921-9344 – kirk@oceanconsultingfl.com

2. CREDIT REFERENCES

- 2.1. American Pile Driving Equipment – P.O. Box 88730, Tukwila WA, 98138. Dan Collins, Phone: (253) 872-0141, Fax: (253) 872-8710, Email: danc@apevibro.com
- 2.2. Cemex USA – 1600 N. Miami Ave, Miami, Florida 33136. Robert Vega, (305) 308-7334, Fax: (954) 970-9240, Email: robert.vega@cemexusa.com
- 2.3. Titan America – 2500 SW 2nd Avenue, Fort Lauderdale, FL 33315. Mark Wachtel, Phone: (954) 553-3870, Fax: (954)760-5925, Email: mwachtel@titanamerica.com
- 2.4. Skyline Steel – 7380 Sand lake Rd, Suite 135 Orlando, FL 32819. Brent Kearney, Phone: (305) 622-6001, Fax: (407) 622 6002, Email: brent.kearney@skylinesteel.com
- 2.5. United Rentals - 3501 S. State Road 7, Davie, FL 33314. Ben Bianco, Phone: (954) 214-9834, Fax: (954) 667-3227, Email: bbianco@ur.com
- 2.6. Kelly Tractor – 5460 Okeechobee Blvd, West Palm Beach, FL 33417. Julio Rivas, Phone: (561) 683-1231, Email: julio_rivas@kellytractor.com
- 2.7. Stuart Building Products – 1341 N.W. 15th Street, Pompano Beach, FL 33069. Robert Maldonado, Phone: (954) 978-8900, Email: robert.maldonado@stuartbuildingproducts.com



EBSARY

foundation company

3. KEY PERSONNEL

- 3.1. Scott Alfele – President – 22 years’ experience in foundation and engineering construction at Ebsary Foundation Company. Licensed State of Florida General Contractor, Licensed Miami-Dade County Engineering Contractor, Category: Structural Engineering.
Phone: (305) 986-8700, Email: scotta@ebsaryfoundationco.com
- 3.2. Matthew Shiring, P.E. – Vice President – 12 years’ experience in heavy marine and foundation construction – 8 years’ with Ebsary Foundation Company. Licensed Professional Engineer in Florida and Maryland (FL License No. 67266).
Phone: (305) 746-5244, Email: matt@ebsaryfoundationco.com
- 3.3. Mike Gonzalez – General Superintendent / Vice President of Operations. 30 years’ experience in marine, heavy and foundation construction at Ebsary Foundation Company.
Phone: (305) 986-0172, Email: mike@ebsaryfoundationco.com
- 3.4. Brian Ortiz – Project Manager / Estimator – 11 years’ experience in foundation construction with Ebsary Foundation Company. Phone: (786) 299-1527, Email: brian@ebsaryfoundationco.com
- 3.5. Brent Huffman – Project Manager / Safety Manager – 10 years’ experience in foundation and heavy construction. 4 years with Ebsary Foundation Company.
Phone: (305) 986-7414, Email: bhuffman@ebsaryfoundationco.com
- 3.6. Tim Berget – Senior Project Manager – 10 years’ experience in foundation and heavy construction. Phone: (305) 877-5496, Email: tberget@ebsaryfoundationco.com
- 3.7. Yosmel Milian, P.E. – Senior Project Manager – 5 years’ of experience in foundation and heavy marine construction at Ebsary Foundation Company. Licensed Professional Engineer in Florida (FL License No. 78540)
Phone: (305) 967-3977, Email: ymilian@ebsaryfoundationco.com
- 3.8. Bobby Brown – Estimator – 3 years’ of experience in foundation and heavy marine construction. Phone: (305) 439-9280, Email: bbrown@ebsaryfoundationco.com
- 3.9. Rick Varney – Superintendent – 30 years’ of experience in foundation, heavy and marine construction. 3 years’ with Ebsary Foundation Company.
Phone (305) 898-3965, Email: rvarney@ebsaryfoundationco.com
- 3.10. Mark Belliveau – Superintendent – 30 years’ experience in foundation, heavy and marine construction. 9 years’ with Ebsary Foundation Company.
Phone: (305) 747-4514, Email: mbelliveau@ebsaryfoundationco.com
- 3.11. John Weidner – Superintendent. 12 years’ experience in foundation and heavy construction at Ebsary Foundation Company.
Phone: (305) 219-0781, Email: john@ebsaryfoundationco.com
- 3.12. Gerry Knopp – Superintendent. 31 years’ experience in foundation, heavy and marine construction. 5 years’ experience with Ebsary Foundation Company.
(305) 986-9025, Email: gknopp@ebsaryfoundationco.com
- 3.13. Esmil Canet – Superintendent. 16 years’ experience in foundation and bridge construction. 4 years with Ebsary Foundation Company.
Phone: (305) 934-5415, Email: ecanet@ebsaryfoundationco.com
- 3.14. Brian Belliveau – Superintendent. 30 years’ experience in foundation, heavy and marine construction. 3 years with Ebsary Foundation Company.
Phone: (786) 423-1357, Email: bbelliveau@ebsaryfoundationco.com
- 3.15. Michael Adams – Superintendent. 10 years’ experience in foundation and civil construction.
Phone: (305) 986-9272, Email: madams@ebsaryfoundationco.com

PACKAGE NO. 1 - TECHNICAL PROPOSAL

For Design/Build Project
TRUMAN ANNEX / NOAA SEAWALL
KEY WEST, FLORIDA
RFP 004-17

NAME OF PROPOSER: EBSARY FOUNDATION COMPANY

ADDRESS OF PROPOSER: 2154 NW North River Drive Miami FL 33125

TO: City of Key West

Gentlemen:

The signer of this affidavit guarantees the truth and accuracy of all statements and information submitted herein in support of its proposal to furnish design, furnish all materials, equipment, and labor, and to perform all work in accordance with the Request for Proposal (RFP) and in accordance with the design criteria, contract, general and supplementary conditions included within the RFP entitled "Request for Proposal for Design/Build of Truman Annex / NOAA Seawall."

The undersigned hereby authorizes and requests any public official, engineer, architect, surety company, bank depository, material or equipment manufacturer or distributor or any person, firm or corporation to furnish any pertinent information requested by the City or its representatives deemed necessary to verify the statements made, information submitted, or regarding the standing and general reputation of the applicant.

The undersigned has not been disqualified by any public agency in Florida except as is explained as follows: N/A

The undersigned further affirms that, if false information is furnished in support of its bid proposal, it can and will be prosecuted to the fullest extent of the law for perjury.

Ebsary Foundation
Name of Organization

BY: [Signature]

Title of Person Signing
(If Corporation, Affix Seal)

Sworn to and subscribed before
me this 2nd day of March, 2017

Notary Public-State of Florida

My commission expires 7.12.19

[Signature]
(Printed, typed, or stamped
commissioned name of notary public)

Personally known X

Or Produced identification _____
(Type of identification)



Part I – Technical Statement - Qualifications

1. Legal Name, Address, and Telephone Number:

Ebsary Foundation Company 305-325-0530

2154 NW North River Drive Miami FL 33125

2. Check one: Corporation ; Partnership ; Individual

3. If a Corporation, State:

Date of Incorporation: 1930

State in which Incorporated: FLORIDA

Name and Title of Principal Officers

Date of Assuming Position

Scott Alfele, President

01/2011

Matt Shiring, Vice President, Secretary

01/2012

Yvette Aubin, Vice President

01/2011

If an Out-of-State Corporation, currently authorized to do business in Florida, give date of such authorization.

4. If Partnership:

Date of Organization: _____

Nature of Partnership (General, Limited, or Association):

Name and Address of Partners:

Age of Partners

5. If an Individual, State – Name and Address of Owner:

6. Enumerate State, County, or other Public Agencies in which your organization is qualified to perform work by some means of prequalification:

<u>Agency</u>	<u>Trade in Which Qualified</u>	<u>Expiration Date</u>	<u>Approved Amount</u>
<u>FDOT</u>	<u>Intermediate Bridge</u>	<u>4/30/2017</u>	<u>N/A</u>
<u>Miami Dade County</u>	<u>Marine Services Contract</u>	<u>5/31/2018</u>	<u>\$20,428,715</u>

7. Describe your organizational structure, including the number of permanent employees engaged in cost estimating, purchasing, expediting, detailing, and architecture, engineering, field supervision, field engineering, and layout:

SEE ATTACHED

(Use extension sheet if necessary)
(Include copies of Licenses/Certifications)

8. How many years has your organization been authorized to do business in Florida? 95
9. Has any officer or partner of your organization ever been an officer or partner of some other organization that failed to complete a construction contract? NO. If within the last five (5) years, state name of individual, other organization, and reason therefore:
10. Has any officer or partner of your organization ever failed to complete a construction contract handled in his own name? NO. If within the last five (5) years, state name of individual, name of owner, and reason therefore:
11. Has your organization, or any officer or partner thereof, ever been party to any criminal litigation as a result of construction methods, costs, etc? NO.

If yes, state case number, case name, and provide pertinent details, including judgment:

(Attach extension sheet if necessary)

12. Has your organization, or any officer or partner thereof, ever been party to any civil litigation as result of construction methods, costs, etc? YES.

If yes, state case number, case name, and provide pertinent details, including judgment:

CASE NO. 13-13219 CA 01 (15)
David F. Johnson VS APAC Group Inc. and Ebsary Foundation Company
Suing for claims for damages caused to residence due to pile installation near house
Judgment Pending

(Attach extension sheet if necessary)

13. Provide description of Design/Build Project Team:

13a. Constructor: Ebsary Foundation Company

Legal Name, Address, and Telephone Number:

Ebsary Foundation Company 305-325-0530
2154 NW North River Drive Miami FL 33125

Check one: Corporation X; Partnership _____; Individual _____

If a Corporation, State:

Date of Incorporation: 1930

State in which Incorporated: FLORIDA

Name and Title of Principal Officers	Date of Assuming Position
<u>Scott Alfele, President</u>	<u>01/2011</u>
<u>Matt Shiring, Vice President, Secretary</u>	<u>01/2012</u>
<u>Yvette Aubin, Vice President</u>	<u>01/2011</u>

If an Out-of-State Corporation, currently authorized to do business in Florida, give date of such authorization.

If Partnership:

Date of Organization: _____

Nature of Partnership (General, Limited, or Association):

Name and Address of Partners:	Age of Partnership
_____	_____
_____	_____
_____	_____
_____	_____

13b: Designer: Moffatt & Nichol

Legal Name, Address, and Telephone Number:

Moffatt & Nichol 562-590-6512

3780 Kilroy Airport Way, Suite 750, Long Beach, CA 90806

Check one: Corporation ; Partnership _____; Individual _____

If a Corporation, State:

Date of Incorporation: July 22, 1957. Authorized in Florida 1985

State in which Incorporated: California

Name and Title of Principal Officers	Date of Assuming Position
<u>Eric Nichol, President</u>	<u>2006</u>
<u>Robert Nathan, Senior Vice President</u>	<u>2006</u>
_____	_____

If an Out-of-State Corporation, currently authorized to do business in Florida, give date of such authorization.

If Partnership:

Date of Organization: _____

Nature of Partnership (General, Limited, or Association):

Name and Address of Partners:

Age of Partnership

13c: Major Subcontractor(s):

Legal Name, Address, and Telephone Number:

Check one: Corporation _____; Partnership _____; Individual _____

If a Corporation, State:

Date of Incorporation: _____

State in which Incorporated: _____

Name and Title of Principal Officers

Date of Assuming Position

If an Out-of-State Corporation, currently authorized to do business in Florida, give date of such authorization.

If Partnership:

Date of Organization: _____

Nature of Partnership (General, Limited, or Association):

Name and Address of Partners:

Age of Partnership

14. List all Architects, Engineers, and Surveyors to be used for the Project.
(Submit proof of license or certification.)

Name	Address	License Number
Timothy Blankenship, P.E.	2937 SW 27th Ave, Ste 101A, Coconut Grove, FL	55910
Deborah MacPherson, P.E.	1509 W. Swann Ave, Ste 225, Tampa, FL	66192
Jeffrey Malyszek, P.E.	1509 W. Swann Ave, Ste 225, Tampa, FL	48745
Keith Chee-A-Tow	402 Appelrouth Lane, Ste 2E, Key West, FL	5328
Wingert Laboratories Inc.	1820 NE 144th Street, Miami FL	614

15. Identify Project Manager by name and state qualifications and experience:

Constructor: Ebsary Foundation Company

Matt Shiring - Qualifications Attached

Design Firm: Moffatt & Nichol

Timothy Blankenship P.E. - Qualifications Attached

Major Subcontractor: 3C Construction Corporation

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER

CGC059721

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018



ALFELE, SCOTT A
EBSARY FOUNDATION COMPANY
2154 NW NORTH RIVER DRIVE
MIAMI FL 33125-2297



ISSUED: 07/07/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L1607070000878



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JIM BOXOLD
SECRETARY

April 13, 2016

EBSARY FOUNDATION COMPANY
2154 NW N RIVER DR
MIAMI, FLORIDA 33125

RE: CERTIFICATE OF QUALIFICATION

Dear Sir/Madam:

The Department of Transportation has qualified your company for the type of work indicated below. Unless your company is notified otherwise, this Certificate of Qualification will expire 6/30/2017. However, the new application is due 4/30/2017.

In accordance with S.337.14 (1) F.S. your next application must be filed within (4) months of the ending date of the applicant's audited annual financial statements.

If your company's maximum capacity has been revised, you can access it by logging into the Contractor Prequalification Application System via the following link:

<https://www3.dot.state.fl.us/ContractorPreQualification/>

Once logged in, select "View" for the most recently approved application, and then click the "Manage" and "Application Summary" tabs.

FDOT APPROVED WORK CLASSES:

MINOR BRIDGES, R&R MINOR BRIDGES, PILE DRIVING, AUGERCAST PILE, SOUND WALL INSTALLATION, DRIVING STEEL SHEET PILE, DRILLED SHAFTS, COFFERDAMS, COMBI-WALL INSTALLATION, SEA WALLS.

Please be advised the Department of Transportation has considered your company's qualification in all work classes requested. We have evaluated your company's organization, management, work experience, work performance and adequacy of equipment as directed by section 14-22.003, Florida Administrative Code. Based on this evaluation, the Department is not able, at this time, to prequalify your company for the work classes: INTERMEDIATE BRIDGES, MAJOR BRIDGE - BRIDGES OF CONVENTIONAL CONSTRUCTION WHICH ARE OVER A WATER OPENING OF 1,000 FEET OR MORE, MAJOR BRIDGE - CAST IN PLACE / POST-TENSIONED / SUPER-STRUCTURE, MAJOR BRIDGE - MULTI-LEVEL ROADWAYS, MAJOR BRIDGE - STEEL TRUSS CONSTRUCTION, R&R INTERMEDIATE BRIDGES ("R&R" IS REPAIR AND REHABILITATE), R&R MAJOR BRIDGE - BRIDGES OF CONVENTIONAL CONSTRUCTION WHICH ARE OVER A WATER OPENING OF 1,000 FEET OR MORE, R&R MAJOR BRIDGE - MULTI-LEVEL ROADWAY, R&R MAJOR BRIDGE - STEEL TRUSS CONSTRUCTION, R&R MAJOR BRIDGE- CURVED STEEL GIRDERS.

EBSARY FOUNDATION COMPANY
April 13, 2016
Page Two

You may apply for a Revised Certificate of Qualification at any time prior to the expiration date of this certificate according to Section 14-22.0041(3), Florida Administrative Code (F.A.C.), by accessing your most recently approved application as shown above and choosing "Update" instead of "View." If certification in additional classes of work is desired, documentation is needed to show that your company has done such work with your own forces and equipment or that experience was gained with another contractor and that you have the necessary equipment for each additional class of work requested.

All prequalified contractors are required by Section 14-22.006(3), F.A.C., to certify their work underway monthly in order to adjust maximum bidding capacity to available bidding capacity. You can find the link to this report at the website shown above.

Sincerely,

Alan Autry, Manager
Contracts Administration Office

AA:cj

Ebsary Foundation Company

Organizational Chart

Scott A. Alfele
President / Qualifier

Matthew Shiring, PE
Vice President of Construction

Tim Berget
Project Manager

Yosmel Milian, PE
Project Manager

Brian Ortiz
Project Manager

Bobby Brown
Estimator

Mike Gonzalez
Vice President of Operations

Gerry Knopp
Superintendent

Rick Varney
Superintendent

Mark Belliveau
Superintendent

Esmil Canet
Superintendent

Brian Belliveau
Superintendent

Duane Adkinson
Superintendent

Michael Adams
Superintendent

John Weidner
Superintendent

POSITION RESPONSIBILITIES

President / Qualifier: Review and approve all estimates, purchases and contracts

VP of Construction: Chief Engineer, Shop Drawing, Submittal, Estimate Review, Purchasing and Field Engineering

VP of Operations: Equipment, Personnel, Maintenance and Support Coordination

Project Manager: Estimate Work, Purchasing, Submittals, Project Management, Cost, Safety & Quality Control

Estimator: Estimate Work, Purchasing

Superintendent: Field Supervision, Layout, Cost, Safety, Quality Assurance

Safety / Security Manager: Company Safety Program, Security Badging, Equipment Inspections & Certifications

Brent Huffman
Safety / Security Manager

State of Florida

Department of State

I certify from the records of this office that EBSARY FOUNDATION CO. is a corporation organized under the laws of the State of Florida, filed on August 8, 1930.

The document number of this corporation is 122915.

I further certify that said corporation has paid all fees due this office through December 31, 2016, that its most recent annual report/uniform business report was filed on January 26, 2016, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Ninth day of September, 2016*



Ken DeFoner
Secretary of State

Tracking Number: CU6680236512

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

2017 FLORIDA PROFIT CORPORATION ANNUAL REPORT

DOCUMENT# 122915

Entity Name: EBSARY FOUNDATION CO.

Current Principal Place of Business:

2154 N.W. NORTH RIVER DRIVE
MIAMI, FL 33125

Current Mailing Address:

2154 N.W. NORTH RIVER DRIVE
MIAMI, FL 33125

FEI Number: 59-0229150

Certificate of Status Desired: No

Name and Address of Current Registered Agent:

ALFELE, SCOTT A
2154 NW N RIVER DR
MIAMI, FL 33125 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: SCOTT ALFELE

02/03/2017

Electronic Signature of Registered Agent

Date

Officer/Director Detail :

Title CHAIRMAN
Name EBSARY, RICHARD W
Address 2154 N.W. NORTH RIVER DRIVE
City-State-Zip: MIAMI FL 33125

Title PRESIDENT
Name ALFELE, SCOTT A
Address 2154 N.W. NORTH RIVER DRIVE
City-State-Zip: MIAMI FL 33125

Title ASST. SECRETARY, VP
Name GONZALEZ, JAMES M
Address 2154 N.W. NORTH RIVER DRIVE
City-State-Zip: MIAMI FL 33125

Title VP
Name AUBIN, YVETTE N
Address 2154 N.W. NORTH RIVER DRIVE
City-State-Zip: MIAMI FL 33125

Title SECRETARY, VP
Name SHIRING, MATTHEW J
Address 2154 N.W. NORTH RIVER DRIVE
City-State-Zip: MIAMI FL 33125

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 an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: YVETTE AUBIN

VP

02/03/2017

Electronic Signature of Signing Officer/Director Detail

Date

State of Florida

Department of State

I certify from the records of this office that MOFFATT & NICHOL, INC. is a California corporation authorized to transact business in the State of Florida, qualified on June 10, 1985.

The document number of this corporation is P06383.

I further certify that said corporation has paid all fees due this office through December 31, 2016, that its most recent annual report/uniform business report was filed on April 12, 2016, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twelveth day of April, 2016*



Ken DeFina
Secretary of State

Tracking Number: CC2925031424

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

11:39:55 AM 3/1/2017

Licensee Details

Licensee Information

Name: **MALYSZEK, JEFFREY D. (Primary Name)**
Main Address: **17804 EAGLE TRACE STREET
TAMPA Florida 33647-0000**
County: **HILLSBOROUGH**
License Mailing:
LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **48745**
Status: **Current,Active**
Licensure Date: **02/15/1995**
Expires: **02/28/2019**

Special Qualifications **Qualification Effective**

Alternate Names

[View Related License Information](#)

[View License Complaint](#)

2601 Blair Stone Road, Tallahassee FL 32399 :: Email: **Customer Contact Center** :: Customer Contact Center: 850.487.1395

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11:36:18 AM 3/1/2017

Licensee Details

Licensee Information

Name: **BLANKENSHIP, TIMOTHY KING (Primary Name)**
Main Address: **77 CRANDON BLVD.
UNIT 6C
KEY BISCAYNE Florida 33149**
County: **DADE**
License Mailing:
LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **55910**
Status: **Current,Active**
Licensure Date: **07/19/2000**
Expires: **02/28/2019**

Special Qualifications	Qualification Effective
Civil	07/19/2000
Advanced Building Code Course Credit	05/29/2016

Alternate Names

[View Related License Information](#)

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[2601 Blair Stone Road, Tallahassee FL 32399](#) :: Email: **[Customer Contact Center](#)** :: Customer Contact Center: 850.487.1395

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11:35:03 AM 3/1/2017

Licensee Details

Licensee Information

Name: **MACPHERSON, DEBORAH C. (Primary Name)**
Main Address: **2876 BAYSHORE TRAILS DRIVE
TAMPA Florida 33611**
County: **HILLSBOROUGH**

License Mailing:

LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **66192**
Status: **Current,Active**
Licensure Date: **05/21/2007**
Expires: **02/28/2019**

Special Qualifications **Qualification Effective**
Structural 1 **05/21/2007**

Alternate Names

[View Related License Information](#)

[View License Complaint](#)

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MATTHEW J. SHIRING, P.E.

- Position:** Vice President, Principal Engineer
Ebsary Foundation Company
2154 N.W. North River Drive
Miami, Florida 33125
Phone: (305) 325-0530 x108
matt@ebsaryfoundationco.com
- Responsibility:** Qualifying Engineer, Chief Estimator and Project Executive of Land and Marine Based Heavy Highway, Bridge and Deep Foundation Construction Projects and Specialty Engineering Construction Projects with an emphasis on Deep Foundations, General Contracting and Design-Build. Responsible for executive supervision and review of companywide heavy highway, bridge, marine and engineering estimating and project management, structural analysis review and critical lift plans. Additional responsibilities include estimating and management of Projects from inception to completion; which includes, bidding and project procurement, proposals, prequalification, purchasing, subcontracting, submittals, scheduling, invoicing, cost control, equipment utilization, construction related design, project technical oversight, project coordination with owner, general contractor, engineer and subcontractor, contract closure and punch list.
- Employment:** Ebsary Foundation Company, Miami, Florida – 4 years as Vice President and Chief Estimator and 5 years as Senior Project Manager and Estimator for Heavy Highway, Bridge and Marine Construction Projects. Work included driven piling, augercast piling, combi-walls, drilled shafts, seawalls and bulkheads, marinas, dredging, vibro compaction, cofferdams, excavation, anchor piling, soil replacement, diver work, sheet piling, drainage & utility work, anchor walls, paving, shoring, falsework, soil anchors, tremie seals, bridge erection, fabrication, demolition, site work, precast concrete, cast in place concrete and dock construction.
- McLean Contracting Company, Baltimore, Maryland – 5 years as a Field Engineer and Superintendent. Work included survey and layout, driven piling, steel sheet piling, formwork, critical lifts, cast in place concrete, precast concrete erection, crane operation, dredging, vibro-compaction, vibro-replacement, falsework and shoring, helical anchors, cofferdams, subcontractor coordination, marine equipment operation, heavy equipment operation, general carpentry and field construction and field project management.
- Education:** Bachelor of Science in Civil Engineering, Structural Analysis
North Carolina State University, Raleigh, NC
United States Army Engineer School, Engineer Officer Basic Course
Ft. Leonard Wood, Missouri
- Military Service:** U.S. Army Corps of Engineers – Served four (4) years active duty; 3 years in A Company, 40th Engineer Battalion, 2nd Brigade Combat Team (Baumholder, Germany) and 1 year at Headquarters, U.S. European Command (Stuttgart, Germany). Honorably Discharged as a Captain (O-3)
- Licenses:** Florida Board of Professional Engineers Certificate of Authorization, C.A. # 30489
State of Florida Professional Engineer, License # 67266
State of Maryland Professional Engineer, License # 33345
North Carolina Board of Examiners, Engineering Intern, License # A-17534

Certifications & Training:

30-Hour OSHA Training Course
10-Hour OSHA Training Course
40-Hour EM 385-1-1 Hazard Recognition Course
Standard First Aid Training, AED & CPR Courses
Basic Flagger/MOT Training Course
Basic Rigger & Signalperson Training
Department of the Army SOC 40, Safety Officers Course (40-hr)
Department of the Army HAZ 11, Hazardous Material Driver Training Course (40-hr)
Employer Certified Lattice Boom Crawler Crane Operator (up to 150 tons)
Employer Certified Hydraulic Crane Operator (up to 60 tons)
AWS Certified Welder, Plate Unlimited, AASHTO/AWS D1.5, Cert #: 0601019W
Scuba Schools International Open Water Diver Certification
Maryland Certificate of Boating Safety Education

Experience:

Project Executive

- FPL Lauderdale Plant Units 4 & 5 Discharge Canal North / South Bank Improvements, Davie, Florida
- Turnberry Marina Demolition and Reconstruction, Sunny Isles, Florida
- Fisher Island Commercial Terminal Isle Seawall Restoration, Miami Beach, Florida
- North Bay Road Pedestrian Emergency Bridge, City of Sunny Isles Beach, Florida
- The Museum Parking Garage Foundation, Miami, Florida
- 700 Edgewater Seawall Restoration, Miami, Florida
- University of Miami Pedestrian Bridge, Miami, Florida
- C-44 Reservoir / STA Project, S-401 Pump Station, Indiantown, Florida
- Area 2 (Bays 177-183) Construction of Seawall, Port Miami, Florida
- Port of Miami Tunnel Access Improvements (FDOT Bridge # 874089), Dodge Island Bridge, -Port Miami, Florida
- S-129, S-131, S-133 and S-135 Trash Rake and Access Bridge Rehabilitation, Okeechobee, Florida
- Herbert Hoover Dike Culverts 10A Rehabilitation, Clewiston, Florida
- Herbert Hoover Dike Culverts 2 & 12A Rehabilitation, Clewiston, Florida
- Herbert Hoover Dike Culverts 8 & 13 Rehabilitation, Okeechobee, Florida
- Herbert Hoover Dike Culverts 11 & 16 Rehabilitation, Port Mayaca, Florida
- Herbert Hoover Dike Culverts 1 & 1A Rehabilitation, Moore Haven, Florida
- FPL PPE Intake Culvert Rehabilitation, Port Everglades, Florida
- South Pointe Pier Reconstruction, Miami Beach, Florida
- FPL PPE Discharge Canal Bulkhead, Port Everglades, Florida
- SW North River Drive Seawall, Miami, Florida
- Bulkhead 497 Reconstruction, Key West, Florida
- Tarpon Pier Reconstruction, Key West, Florida
- Design-Build Services for Seawall Stabilization at Museum Park, Miami, Florida
- FPL Pipe Bridge & Seawall Stabilization, Davie, Florida
- Arch Creek Pedestrian Bridges, North Miami, Florida

Project Manager

- Lift Station 87 Microtunneling Cofferdams, Sarasota, Florida
- S-164 Structure Replacement, Cocoa, Florida
- Venetian Causeway Bridge Rehabilitation (Bridge #874459), Miami, Florida
- Hurricane Sandy Waterfront Repairs, US Naval Base, Guantanamo Bay, Cuba
- Design Build Services for SR836 Operational, Capacity and Interchange Improvements (FDOT Bridge # 870136, 870289, 870137, 870290, 870138, 870291, 870139, 870292, 870140, 870293, 870141, 870552, 870142, 870294, 870144, 870145, 870393, 870146, 870297, 870135, 870143)
- Tamiami Canal Swing Bridge Replacement (FDOT Bridge # 874019) & Comfort Canal Pedestrian Bridge Construction, Miami-Dade County, Florida
- Master Pump Station No. 3, Miami, Florida
- Flagstone Island Gardens Megayacht Facility, Miami, Florida
- Fisher Island Bulkhead Reconstruction, Fisher Island, Florida
- Pump Station S-650 Lakeside Ranch Cofferdam, Lakeside Ranch, Florida
- Port Miami Wharves Strengthening Program, Port Miami, Florida
- I-595 Roadway Improvements Project, Seawall, Soundwalls, Cofferdams, and Bridge Construction (FDOT Bridge # 860560, Flyover Ramp N, 000026, 000105, 000107, 000122, 000123, 000111, 860475, 860421, 860384), Broward County, Florida
- Department of the Navy/ Key West Pedestrian Bridge, Key West, Florida
- City of Cocoa Water Transmission Main Microtunnel Cofferdams, Cocoa, Florida
- Sunny Isles Bascule Bridge Rehabilitation, Sunny Isles, Florida
- Hollywood Beach Seawall Replacement, Hollywood, Florida
- Indian Key Dock Reconstruction, Islamorada, Florida

Superintendent

- Morgantown Coal Fire Power Plant Curtain Wall, Morgantown, Maryland
- Baltimore Yacht Club Fuel Pier, Baltimore Maryland
- Haul Road Bridge, Waldorf, Maryland
- I-95 & I-695 Interchange, Kenwood Ave Bridge, Lillian Holt Drive Bridge, Baltimore, Maryland
- 951 Fells Timber Pier Construction, Baltimore, Maryland
- Oxford-Bellevue Ferry Dolphin Replacement, Easton, Maryland
- Harborview Condominiums Pier Construction, Baltimore, Maryland

PROJECT REFERENCES

- RMK Merrill Stevens North Yard Ship Lift Construction – Demolition and Construction of new pile supported Ship Lift and Transfer Berth. Work includes demolition, new anchored seawall, combination wall bulkhead, dredging, augercast piling, stormwater, plumbing, paving, and foundation construction. Contract Value \$12,500,000.00. Douglas Pearlson, Pearlson Ship Lift, (305) 704-7829, douglaspearlson@shiplift.com
- Tamiami Canal Bridge Replacement – *Miami Dade County Public Works* – Installation of permanent bascule cofferdam, foundation piling, bulkhead piling, dredging and rip rap placement. Contract Value: \$ 4,800,000. Dhaval Gandhi, Archer Western Construction, (239) 229-5134, dgandhi@walshgroup.com.
- S-164 Structure Rehabilitation – *St. John's River Water Management District* – Design, Furnish and Install Temporary Cofferdam for Dewatering. Contract Value: \$420,000.00. Matthew Deluca, D.N. Higgins, Inc., (941) 309-5275, mattd@dnhiggins.com.
- Terminal Island Bulkhead – 440 Wall Ft Anchored Bulkhead Replacement and Soil Remediation. Contract Value: \$ 2,780,000.00. Nick Azar, Fisher Island Community Association, (305) 695-3069, nazar@fisherislandfica.com

- Venetian Causeway Bridge Rehabilitation – **Miami Dade County** – Installation of 32 ea. 54” x 50ft Drilled Shaft Foundations, Sheet Pile Bulkhead and 64 LF of Temporary Crane Trestle. Contract Value: \$ 1,016,619.73. Michael Miles, GLF Construction Corporation, (305) 371-5228, mmiles@glfusa.com
- Island Gardens Megayacht Marina – Furnish and install 921 foot long anchored steel sheet pile bulkhead and Augercast and Chain Med Moor anchorage system. Install Mega Yacht facility Floating Dock. Furnish time and material support for installation, maintenance, and removal of all necessary turbidity management devices. Contract Value \$ 5,520,000. Jon Wainwright, Flagstone Properties, LLC, (305) 374-0040, JWainwright@flagstonegroup.com
- University of Miami Pedestrian Bridge (NC-1779) – Furnish and Install 220ft x 13ft Pedestrian Bridge over Lake Osceola with 18” driven concrete pile, steel girders and Cast in Place Deck. Contract Value: \$ 899,500.00. Stephen Chang, Moss & Associates, (954) 524-5678, schang@mossemail.com
- Area 2 (Bay 177-183) Construction of Seawall – **Miami-Dade County Seaport Department** – Construction of new 600ft Long anchored bulkhead with backfill, dredging and rip-rap relocation. Contract Value: \$ 9,676,000.00. Kari Garland, PortMIAMI, kari@miamidade.gov, (305) 347-4974
- Wharves Strengthening Program, Cargo Wharves I to VII – **Miami-Dade County Seaport Department** – Furnish and install replacement combi-wall steel sheet pile bulkhead, driven 30” pipe piling and cast-in-place concrete breasting structures. Contract Value: \$ 22,144,822.00. Odebrecht Construction Company, Luiz Simon (305) 341-8800, lsimon@odebrecht.com – Juan Bergouignan, Miami Dade County Seaport Department (305) 347-4974
- Fisher Island Bulkhead Replacement Project – Demolition and installation of new seawall and repair of existing seawall. Installation of steel sheet piling, driven concrete piles, grouted soil anchors with double channel waler, cast-in-place concrete cap and concrete toe wall. Contract Value: \$ 5,764,000.00. Nick Azar, Fisher Island Community Association, (305) 695-3069, nazar@fisherislandfica.com
- Design-Build Services for Sewall Stabilization and Repair Project – **City of Miami** – Design and install grouted seawall tieback system for an existing failed seawall. Includes concrete repairs and site restoration. Contract Value: \$ 2,369,250.00. Jeovanny Rodriguez, City of Miami, (305) 416-1395, jrodriguez@miamigov.com
- Biscayne Bay Yacht Club Seawall – Furnish and Install 125 wall feet of new steel sheet piling seawall with concrete cap, rip-rap, and uplands. Contract Value: \$155,000.00. Jeff Williamson, (305) 794-6839, jwilliamson@hbre.net.
- I-595 Corridor Roadway Improvements Project (Microtunneling cofferdams) - **Florida Department of Transportation** - Design, install and remove 13 ea. microtunneling Jacking and receiving Cofferdam Pits. Contract Value: \$1,528,629. Mike Gibson, Bradshaw Construction (813) 621-7444.
- I-595 Corridor Roadway Improvements Project (Bulkhead & MSE Wall Construction) – **Florida Department of Transportation** – Furnish and Install approximately 14,500 wall feet of anchored bulkhead seawall with double channel walers, deadman tiebacks, grouted tiebacks. Install 2500 wall feet of MSE sheet pile walls with grouted tiebacks and walers. Contract Value: \$11,400,000. Daniel Ruiz, Dragados, USA (954) 513-3821.
- Pump Station 650 Lakeside Ranch– **South Florida Water Management District (SFWMD)** – Furnish and install sheet pile and H-Pile wing walls with tiebacks and walers. Furnish and Install concrete piling and timber piling. Contract Value: \$ 715,000. Matthew Deluca, Douglas N. Higgins, Inc. (941) 309-5275
- Key West/Navy Design Build Pedestrian Bridge – **City of Key West, US Navy** – Furnish and install an elevated 120ft x 8ft wide Pedestrian Bridge. Contract Value: \$759,000. Doug Bradshaw, Project Manager, City of Key West, Port Operations (305) 809-3792
- MIA Manatee Gate Replacement– **Florida Department of Transportation** – Install Temporary Manatee Barrier, Install new manatee gate consisting of PS27.5 sheet pile manatee gate with W10x30 King pile, Aluminum manatee gates and Steel walkway. , Remove Temporary Manatee Barrier. Contract Value: \$156,000. Carmen S. Gonzalez, Turner Construction Company, (786) 265-0891
- Miami-Dade Fire Rescue Floating Dock and Boat Lift – **Miami-Dade County Seaport Department** – Furnish and install pile supported floating dock. Contract Value: \$486,402. Juan Bergouignan, Miami Dade County Seaport Department (305) 347-4974

Timothy K. Blankenship, PE

Project Manager

KEY FEATURES

24 Years of experience

Marina Planning and Engineering Design experience in Southeast Florida

Marine structures experience in Key West

Environmental permitting experience in Monroe County

EDUCATION

ME Coastal Engineering, Old Dominion University, 1994

BS Civil Engineering, Old Dominion University, 1992

REGISTRATION

Florida, 55910

AFFILIATIONS

American Society of Civil Engineers, Miami-Dade Branch, Past President

American Society of Civil Engineers, Florida Section, Report Card on Florida Infrastructure Committee on Coastal Areas

ASCECOPRI Marinas 2020 Committee

EXPERIENCE

Mr. Blankenship has over 20 years of experience with waterfront/marina, port infrastructure, and coastal engineering consulting projects throughout the U.S., Caribbean and Central America. He has completed over 50 marina and associated waterfront improvement projects. The marinas have included facilities for both wet and dry slips, and services have ranged from due diligence, planning, and feasibility studies, through engineering design, environmental permitting and construction administration.

He is a co-author of Manual 50, *Planning and Design Guidelines for Small Craft Harbors* published in 2012 by the Marinas 2020 Task Committee of the Ports and Harbors Committee of the Coasts, Oceans, Ports and Rivers Institute of the American Society of Civil Engineers.

Mr. Blankenship has planned and conducted comprehensive field investigations for coastal/marine projects including hydrographic surveys, oceanographic measurements, marine resource mapping, geophysical and geotechnical evaluations. He has extensive coastal/marine experience in the Florida Keys that has included engineering design and studies at the 4 state parks in Monroe County as well as the design of two resort piers in Key West.

REPRESENTATIVE PROJECT EXPERIENCE

RMK Merrill Stevens North Yard Redevelopment, Miami, FL Engineering design and environmental permitting for the shipyard redevelopment that includes basin filling, bulkheads, and installation of shiplift with capacity for vessels up to 230' long. Design of upland pile-supported transfer berths and stormwater management.

Marine Stadium Marina, Miami, FL Engineering design and environmental permitting of 540 lf of bulkhead replacement, maintenance dredging, and pile-supported platform for marine forklift operations.

Faro Blanco Resort Plan, Marathon, FL. Conducted marine resource mapping and hydrographic surveys of the existing marina to plan for a marina redevelopment project. Completed the engineering design for maintenance dredging, bulkheads, and docks for 82-slip marina. Environmental permits were obtained from the Florida Department of Environmental Protection and the Corps of Engineers. Also provided submerged lands consulting through the DEP.

Haulover Marine Center, Miami-Dade County, FL Engineering design and marina planning for 480 dry slip marina. Conducted field investigations and designed dredging and floating dock staging area. Designed forklift launch area platform and bulkhead. Completed water, sewer and electrical site utilities design, and designed stormwater management system. Planned and designed maintenance yard for park operations and parking lot reconfiguration with paving and grading.



Fort Zachary Taylor State Park, Key West, FL. Project manager for the coastal engineering design and environmental permitting for breakwaters, jetties, and beach fill project for shoreline protection at the park.

Reach Resort Pier, Key West, FL. Project engineer for the coastal and structural design of a beach pier at the resort. The pier included wood trellis and a gazebo to match the Key West Historical Architecture. Provided curved boardwalk designed with ADA access. Obtained environmental Department of Environmental Protection (DEP) permits and provided construction administration

Sunset Key Shoreline Stabilization, Key West, FL. Project engineer for the assessment and survey of shoreline stabilization after a hurricane and the design of armor stone revetment repairs. The emergency environmental permitting for shoreline improvements and for marine structures repairs on the mainland included floating docks, bulkhead, and a wave barrier.

Mooring Field Feasibility Study, Monroe County, FL. Project engineer who conducted hydrographic and marine resource surveys at Jewfish Creek, Buttonwood Sound, and Boca Chica Basin. Evaluated environmental permitting feasibility along with upland support facilities. Prepared feasibility report with conceptual managed mooring field layouts and recommendations of prepared alternatives

Harbourside Jupiter, FL Engineering design of 1,055 linear feet of steel sheet pile bulkhead for the Jupiter Riverwalk along proposed mixed-use upland development. Sheet piling designed to account for de-mucking operations for the foundation of the Riverwalk and to avoid impacts to adjacent mangroves. Designed 9-slip timber fixed dock for public access to the Riverwalk including fire protection system.

Miamimarina at Bayside, Miami, FL Assessment, environmental permitting and design of replacement fixed docks for 19 slips at Pier 5. Designed marina utilities and provided construction administration.

Pier 66 Marina, Ft. Lauderdale, FL Planning and design of 99 slip marina redevelopment to accommodate vessels up to 250' long. Design of bulkhead replacement and associated shore-support structures, along with fixed and floating docks for wet slips. Design of marina utilities and provided construction administration and Resident Project Representative services.

PUBLICATIONS/PRESENTATIONS

"Boat Wake Observations at Jensen Beach, Florida" Sheremet, A., U. Gravois, M. Tian, T. K. Blankenship, P.E., Proceedings 2011 Conference on Coastal Engineering Practice, Coasts, Oceans, Ports and Rivers, Institute (COPRI), ASCE.

"Loggerhead Marina-Jupiter, a Case Study in Drystack Marina Rehabilitation" T. K. Blankenship and K. Blair, presented at the IMI 10th National Dry Stack Conference, October, 2013.

"Revenue Driven Marina Improvements," presented at International Marina Institute (IMI) 11th Annual Conference; Increasing Marina Profits in the New Economy. October, 2011.



“When More is Less in Rack Configuration,” presented at the IMI 9th National Dry Stack Conference, October, 2010

“Engineering Aspects - Dry Storage Marinas,” Presented at IMI 7th National Dry Stack Conference, October, 2007.

SCOTT A. ALFELE

- Position:** President and Qualifier
Ebsary Foundation Company
2154 N.W. North River Drive
Miami, Florida 33125
Phone (305) 325-0530 x107
scotta@ebsaryfoundationco.com
- Worked at Ebsary for over 22 years, Qualifier since 1998, Shareholder since 2010 and President since 2011.
- Responsibility:** President and Qualifier for Ebsary Foundation Company with overall corporate responsibility for all Estimating, Project Management and Field Operations. Additional responsibilities include strategic company planning, corporate staff management, heavy equipment acquisition, corporate administrative oversight and estimating and managing select projects.
- Employment:** Ebsary Foundation Company, Miami, FL – 4 years as President, 15 years as Vice President and 2 years as Project Manager. Work Included auger cast piles, drilled shafts, steel sheet piling, combi-walls, tremie seals, underground parking garages, driven piling, cast in place concrete, seawalls, cofferdams, bridges, marine construction and FDOT sound walls.
- Education:** Bachelor of Science in Business Administration
University of Central Florida, Orlando, FL
- Master of Business Administration
Florida State University, Tallahassee, FL
- Licenses:** State of Florida Certified General Contractor (CGC 059721)
Miami-Dade County Certificate of Competency
Structural Engineering (E502)
- Certifications & Training:** Trench Safety Training
Standard First Aid Training, AED & CPR Courses
Basic Flagger/MOT Training Course
Basic Rigger & Signaller Training
30-Hour OSHA Training Course
10-Hour OSHA Training Course
- Experience:** Project Executive / Manager
- North Bay Road Pedestrian Emergency Bridge, City of Sunny Isles Beach, Florida
 - (Bridge # 874181) NE 2nd Avenue Bridge (Bridge # 874181), Miami, Florida
 - La Posada Bridge, West Palm Beach, Florida
 - Spring Tree Golf Course Golf Cart Bridge, Sunrise, Florida
 - Johnson & Wales University Pedestrian Bridge, North Miami, Florida
 - Lauderdale Lakes Condo Pedestrian Bridge, Ft. Lauderdale, Florida
 - Lake Villa Pedestrian Bridge, Key Biscayne, Florida
 - United States Coast Guard Bridge @ Miami Beach Station, Miami Beach, Florida

- Downtown Dadeland Parking Garage, Miami-Dade, Florida
- Clevelander Cofferdam, Miami Beach, Florida
- Herbert Hoover Dike Culverts 1 & 1A Rehabilitation, Moore Haven, Florida
- Port Everglades Portwide Bollard Installation, Port Everglades, Florida
- Miami Circle Seawall Replacement, Miami, Florida
- MIA Mover Foundations, Miami, Florida
- Westwego Floodwall Construction, Westwego, Louisiana
- Berth 1 High Wind Bollards, Port Everglades, Florida
- Berth 27 & 29 High Wind Bollards, Port Everglades, Florida
- Large Vessel Mooring Facility, Miami, Florida
- Berth 33 & Slip 3 Toe Wall, Port Everglades, Florida
- Orange Line Foundations, Miami, Florida
- Wharf I Emergency Repairs, Port Miami, Florida
- Brickell City Center Underground Garage & Foundation, Miami, Florida

PROJECT REFERENCES

- Kanner Highway Sound Walls – **Florida Department of Transportation** – Install Augercast Piles and set templates and posts for Sound Walls. Contract Value: \$ 502,000. George Southworth, Concrete Impressions of Florida, Inc. (813) 899-4284, gls@ciflorida.com.
- Lennox Hotel Cofferdam & Foundation Piling – Design and Install Permanent Steel Sheet Piling, Excavate and Place Tremie Seal, Cutoff Previously Install Augercast Piling. Contract Value: \$641,000.00. Bert Nunez, Cuesta Construction, (305) 270-3731
- Herbert Hoover Dike Rehabilitation Project, Culverts 1 & 1A Replacement – **US Army Corps of Engineers** – Temporary Combi-Wall Sheet Pile Cofferdams, Permanent steel Sheet Piling, 24” Augercast Piling. Contract Value: \$ 15,672,012.00. Sam Ballan, Odebrecht Construction Company, (305) 341-8866, sballan@odebrecht.com
- I-75 Express Segment D Sound Walls – **Florida Department of Transportation** – Install Augercast Piles and set templates and posts for Sound Walls. Contract Value: \$2,103,072.00. George Southworth, Concrete Impressions of Florida, Inc. (813) 899-4284, gls@ciflorida.com.
- Del Gato Trust Residential Guest House Cofferdam and Piling – Installation of Temporary Cofferdam and Augercast Foundation Piling. Contract Value: \$ 1,127,025.00. Peter Giaquinto, Southeast Construction, LLC.
- ECHO Aventura Seawall, Augercast Pile and Temporary Steel Sheet Piling – Demolition of existing bulkhead obstructions, furnish and install 1100 wall foot steel sheet pile bulkhead, boulder rip rap, cast in place concrete cap, 215 ea. 36” augercast pile, 315 ea. 18” augercast pile and design, install and remove 9 ea. temporary steel sheet pile cofferdams. Contract Value: \$ 3,264,941.00. Rick Schuerger, John Moriarty, Inc., (954) 920-8550, rscjierger@jmaf.net
- The Brickell CitiCentre, Foundation Package – 1,153 LF of AZ19-700 permanent steel sheet piling and internal steel beam waler and bracing. Contract Value: \$ 7,012,411. Charles Bartlett, Malcolm Drilling Company, Inc., cbartlett@malcolmdrilling.com (813) 523-1427.
- Berth 1 High Wind Bollards – **Broward County Seaport Department (Port Everglades)** – 1 ea. 66” x 70ft long Drilled shafts with concrete pile caps and 150 Ton Single Bit Bollards. Contract Value: \$ 172,000.00. Gary Bogumill, Port Everglades, gbogumill@broward.org, (954) 468-0149
- Berth 27 & 29 High Wind Bollards – **Broward County Seaport Department (Port Everglades)** – 3 ea. 66” x 70ft long Drilled shafts with concrete pile caps and 150 Ton Single Bit Bollards. Contract Value: \$ 339,020.00. Gary Bogumill, Port Everglades, gbogumill@broward.org, (954) 468-0149
- Port of Miami Mooring Bollards Phase I – **Miami-Dade County Seaport Department** –Demolish existing fenders and apron slabs and Install 22 ea. bollards consisting of 88 ea 24” diameter x 77’ Augercast Piles

and 22 ea cast in place concrete pile caps with 150 ton bollards. Contract Value: \$1,800,000. Juan Bergouignan, Port of Miami (305) 347-4974

- S-197 Culvert Replacement Cofferdam Anchor Pile – **South Florida Water Management District** – Install 48 ea. 16” Augercast Anchor Pile for the cofferdam tremie tie down. Contract Value: \$ 46,000. Tim Keen, Interlaken, Inc. (561) 582-4651
- Large Vessel Mooring Facility – **City of Miami** – Furnish and install 64 ea. 24” concrete piles for 16 ea. mooring dolphins; with preformed holes, concrete caps, mooring bollards and fenders. Contract value: \$1,330,000. Carlos Vasquez, City of Miami project manager. (786) 367-5480
- Berth 33 Bulkhead & Slip 3 Toe wall – **Broward County Seaport Department (Port Everglades)** – Install AZ 36 sheets toe wall, place tremie seal, provide and install combi-wall, grouted soil anchors and cast-in-place concrete cap. Contract value: \$2,900,000. Gary Bogumill, Port Everglades project manager. (954) 325-7665
- Orange Line – MIC Earlington Heights Metrorail Connector – **Miami Dade Transit** – 24” Augercast Piles with Statnamic Testing. Contract Value: \$3,300,000. Humberto Zambrano, Odebrecht-Tower- Community Joint Venture (305) 341-8800
- Wharf 1 Emergency Bulkhead Repair Phase II – **Miami-Dade County Seaport Department** – Furnish and install sheet pile cut off wall, backfill, cast in place concrete runway and repave. Contract Value: \$2,100,000. Juan Bergouignan, Miami Dade County Seaport Department (305) 347-4974

MATTHEW J. SHIRING, P.E.

- Position:** Vice President, Principal Engineer
Ebsary Foundation Company
2154 N.W. North River Drive
Miami, Florida 33125
Phone: (305) 325-0530 x108
matt@ebsaryfoundationco.com
- Responsibility:** Qualifying Engineer, Chief Estimator and Project Executive of Land and Marine Based Heavy Highway, Bridge and Deep Foundation Construction Projects and Specialty Engineering Construction Projects with an emphasis on Deep Foundations, General Contracting and Design-Build. Responsible for executive supervision and review of companywide heavy highway, bridge, marine and engineering estimating and project management, structural analysis review and critical lift plans. Additional responsibilities include estimating and management of Projects from inception to completion; which includes, bidding and project procurement, proposals, prequalification, purchasing, subcontracting, submittals, scheduling, invoicing, cost control, equipment utilization, construction related design, project technical oversight, project coordination with owner, general contractor, engineer and subcontractor, contract closure and punch list.
- Employment:** Ebsary Foundation Company, Miami, Florida – 4 years as Vice President and Chief Estimator and 5 years as Senior Project Manager and Estimator for Heavy Highway, Bridge and Marine Construction Projects. Work included driven piling, augercast piling, combi-walls, drilled shafts, seawalls and bulkheads, marinas, dredging, vibro compaction, cofferdams, excavation, anchor piling, soil replacement, diver work, sheet piling, drainage & utility work, anchor walls, paving, shoring, falsework, soil anchors, tremie seals, bridge erection, fabrication, demolition, site work, precast concrete, cast in place concrete and dock construction.
- McLean Contracting Company, Baltimore, Maryland – 5 years as a Field Engineer and Superintendent. Work included survey and layout, driven piling, steel sheet piling, formwork, critical lifts, cast in place concrete, precast concrete erection, crane operation, dredging, vibro-compaction, vibro-replacement, falsework and shoring, helical anchors, cofferdams, subcontractor coordination, marine equipment operation, heavy equipment operation, general carpentry and field construction and field project management.
- Education:** Bachelor of Science in Civil Engineering, Structural Analysis
North Carolina State University, Raleigh, NC
United States Army Engineer School, Engineer Officer Basic Course
Ft. Leonard Wood, Missouri
- Military Service:** U.S. Army Corps of Engineers – Served four (4) years active duty; 3 years in A Company, 40th Engineer Battalion, 2nd Brigade Combat Team (Baumholder, Germany) and 1 year at Headquarters, U.S. European Command (Stuttgart, Germany). Honorably Discharged as a Captain (O-3)
- Licenses:** Florida Board of Professional Engineers Certificate of Authorization, C.A. # 30489
State of Florida Professional Engineer, License # 67266
State of Maryland Professional Engineer, License # 33345
North Carolina Board of Examiners, Engineering Intern, License # A-17534

Certifications & Training:

30-Hour OSHA Training Course
10-Hour OSHA Training Course
40-Hour EM 385-1-1 Hazard Recognition Course
Standard First Aid Training, AED & CPR Courses
Basic Flagger/MOT Training Course
Basic Rigger & Signalperson Training
Department of the Army SOC 40, Safety Officers Course (40-hr)
Department of the Army HAZ 11, Hazardous Material Driver Training Course (40-hr)
Employer Certified Lattice Boom Crawler Crane Operator (up to 150 tons)
Employer Certified Hydraulic Crane Operator (up to 60 tons)
AWS Certified Welder, Plate Unlimited, AASHTO/AWS D1.5, Cert #: 0601019W
Scuba Schools International Open Water Diver Certification
Maryland Certificate of Boating Safety Education

Experience:

Project Executive

- FPL Lauderdale Plant Units 4 & 5 Discharge Canal North / South Bank Improvements, Davie, Florida
- Turnberry Marina Demolition and Reconstruction, Sunny Isles, Florida
- Fisher Island Commercial Terminal Isle Seawall Restoration, Miami Beach, Florida
- North Bay Road Pedestrian Emergency Bridge, City of Sunny Isles Beach, Florida
- The Museum Parking Garage Foundation, Miami, Florida
- 700 Edgewater Seawall Restoration, Miami, Florida
- University of Miami Pedestrian Bridge, Miami, Florida
- C-44 Reservoir / STA Project, S-401 Pump Station, Indiantown, Florida
- Area 2 (Bays 177-183) Construction of Seawall, Port Miami, Florida
- Port of Miami Tunnel Access Improvements (FDOT Bridge # 874089), Dodge Island Bridge, -Port Miami, Florida
- S-129, S-131, S-133 and S-135 Trash Rake and Access Bridge Rehabilitation, Okeechobee, Florida
- Herbert Hoover Dike Culverts 10A Rehabilitation, Clewiston, Florida
- Herbert Hoover Dike Culverts 2 & 12A Rehabilitation, Clewiston, Florida
- Herbert Hoover Dike Culverts 8 & 13 Rehabilitation, Okeechobee, Florida
- Herbert Hoover Dike Culverts 11 & 16 Rehabilitation, Port Mayaca, Florida
- Herbert Hoover Dike Culverts 1 & 1A Rehabilitation, Moore Haven, Florida
- FPL PPE Intake Culvert Rehabilitation, Port Everglades, Florida
- South Pointe Pier Reconstruction, Miami Beach, Florida
- FPL PPE Discharge Canal Bulkhead, Port Everglades, Florida
- SW North River Drive Seawall, Miami, Florida
- Bulkhead 497 Reconstruction, Key West, Florida
- Tarpon Pier Reconstruction, Key West, Florida
- Design-Build Services for Seawall Stabilization at Museum Park, Miami, Florida
- FPL Pipe Bridge & Seawall Stabilization, Davie, Florida
- Arch Creek Pedestrian Bridges, North Miami, Florida

Project Manager

- Lift Station 87 Microtunneling Cofferdams, Sarasota, Florida
- S-164 Structure Replacement, Cocoa, Florida
- Venetian Causeway Bridge Rehabilitation (Bridge #874459), Miami, Florida
- Hurricane Sandy Waterfront Repairs, US Naval Base, Guantanamo Bay, Cuba
- Design Build Services for SR836 Operational, Capacity and Interchange Improvements (FDOT Bridge # 870136, 870289, 870137, 870290, 870138, 870291, 870139, 870292, 870140, 870293, 870141, 870552, 870142, 870294, 870144, 870145, 870393, 870146, 870297, 870135, 870143)
- Tamiami Canal Swing Bridge Replacement (FDOT Bridge # 874019) & Comfort Canal Pedestrian Bridge Construction, Miami-Dade County, Florida
- Master Pump Station No. 3, Miami, Florida
- Flagstone Island Gardens Megayacht Facility, Miami, Florida
- Fisher Island Bulkhead Reconstruction, Fisher Island, Florida
- Pump Station S-650 Lakeside Ranch Cofferdam, Lakeside Ranch, Florida
- Port Miami Wharves Strengthening Program, Port Miami, Florida
- I-595 Roadway Improvements Project, Seawall, Soundwalls, Cofferdams, and Bridge Construction (FDOT Bridge # 860560, Flyover Ramp N, 000026, 000105, 000107, 000122, 000123, 000111, 860475, 860421, 860384), Broward County, Florida
- Department of the Navy/ Key West Pedestrian Bridge, Key West, Florida
- City of Cocoa Water Transmission Main Microtunnel Cofferdams, Cocoa, Florida
- Sunny Isles Bascule Bridge Rehabilitation, Sunny Isles, Florida
- Hollywood Beach Seawall Replacement, Hollywood, Florida
- Indian Key Dock Reconstruction, Islamorada, Florida

Superintendent

- Morgantown Coal Fire Power Plant Curtain Wall, Morgantown, Maryland
- Baltimore Yacht Club Fuel Pier, Baltimore Maryland
- Haul Road Bridge, Waldorf, Maryland
- I-95 & I-695 Interchange, Kenwood Ave Bridge, Lillian Holt Drive Bridge, Baltimore, Maryland
- 951 Fells Timber Pier Construction, Baltimore, Maryland
- Oxford-Bellevue Ferry Dolphin Replacement, Easton, Maryland
- Harborview Condominiums Pier Construction, Baltimore, Maryland

PROJECT REFERENCES

- RMK Merrill Stevens North Yard Ship Lift Construction – Demolition and Construction of new pile supported Ship Lift and Transfer Berth. Work includes demolition, new anchored seawall, combination wall bulkhead, dredging, augercast piling, stormwater, plumbing, paving, and foundation construction. Contract Value \$12,500,000.00. Douglas Pearlson, Pearlson Ship Lift, (305) 704-7829, douglaspearlson@shiplift.com
- Tamiami Canal Bridge Replacement – *Miami Dade County Public Works* – Installation of permanent bascule cofferdam, foundation piling, bulkhead piling, dredging and rip rap placement. Contract Value: \$ 4,800,000. Dhaval Gandhi, Archer Western Construction, (239) 229-5134, dgandhi@walshgroup.com.
- S-164 Structure Rehabilitation – *St. John's River Water Management District* – Design, Furnish and Install Temporary Cofferdam for Dewatering. Contract Value: \$420,000.00. Matthew Deluca, D.N. Higgins, Inc., (941) 309-5275, mattd@dnhiggins.com.
- Terminal Island Bulkhead – 440 Wall Ft Anchored Bulkhead Replacement and Soil Remediation. Contract Value: \$ 2,780,000.00. Nick Azar, Fisher Island Community Association, (305) 695-3069, nazar@fisherislandfica.com

- Venetian Causeway Bridge Rehabilitation – **Miami Dade County** – Installation of 32 ea. 54” x 50ft Drilled Shaft Foundations, Sheet Pile Bulkhead and 64 LF of Temporary Crane Trestle. Contract Value: \$ 1,016,619.73. Michael Miles, GLF Construction Corporation, (305) 371-5228, mmiles@glfusa.com
- Island Gardens Megayacht Marina – Furnish and install 921 foot long anchored steel sheet pile bulkhead and Augercast and Chain Med Moor anchorage system. Install Mega Yacht facility Floating Dock. Furnish time and material support for installation, maintenance, and removal of all necessary turbidity management devices. Contract Value \$ 5,520,000. Jon Wainwright, Flagstone Properties, LLC, (305) 374-0040, JWainwright@flagstonegroup.com
- University of Miami Pedestrian Bridge (NC-1779) – Furnish and Install 220ft x 13ft Pedestrian Bridge over Lake Osceola with 18” driven concrete pile, steel girders and Cast in Place Deck. Contract Value: \$ 899,500.00. Stephen Chang, Moss & Associates, (954) 524-5678, schang@mossemail.com
- Area 2 (Bay 177-183) Construction of Seawall – **Miami-Dade County Seaport Department** – Construction of new 600ft Long anchored bulkhead with backfill, dredging and rip-rap relocation. Contract Value: \$ 9,676,000.00. Kari Garland, PortMIAMI, kari@miamidade.gov, (305) 347-4974
- Wharves Strengthening Program, Cargo Wharves I to VII – **Miami-Dade County Seaport Department** – Furnish and install replacement combi-wall steel sheet pile bulkhead, driven 30” pipe piling and cast-in-place concrete breasting structures. Contract Value: \$ 22,144,822.00. Odebrecht Construction Company, Luiz Simon (305) 341-8800, lsimon@odebrecht.com – Juan Bergouignan, Miami Dade County Seaport Department (305) 347-4974
- Fisher Island Bulkhead Replacement Project – Demolition and installation of new seawall and repair of existing seawall. Installation of steel sheet piling, driven concrete piles, grouted soil anchors with double channel waler, cast-in-place concrete cap and concrete toe wall. Contract Value: \$ 5,764,000.00. Nick Azar, Fisher Island Community Association, (305) 695-3069, nazar@fisherislandfica.com
- Design-Build Services for Sewall Stabilization and Repair Project – **City of Miami** – Design and install grouted seawall tieback system for an existing failed seawall. Includes concrete repairs and site restoration. Contract Value: \$ 2,369,250.00. Jeovanny Rodriguez, City of Miami, (305) 416-1395, jrodriguez@miamigov.com
- Biscayne Bay Yacht Club Seawall – Furnish and Install 125 wall feet of new steel sheet piling seawall with concrete cap, rip-rap, and uplands. Contract Value: \$155,000.00. Jeff Williamson, (305) 794-6839, jwilliamson@hbre.net.
- I-595 Corridor Roadway Improvements Project (Microtunneling cofferdams) - **Florida Department of Transportation** - Design, install and remove 13 ea. microtunneling Jacking and receiving Cofferdam Pits. Contract Value: \$1,528,629. Mike Gibson, Bradshaw Construction (813) 621-7444.
- I-595 Corridor Roadway Improvements Project (Bulkhead & MSE Wall Construction) – **Florida Department of Transportation** – Furnish and Install approximately 14,500 wall feet of anchored bulkhead seawall with double channel walers, deadman tiebacks, grouted tiebacks. Install 2500 wall feet of MSE sheet pile walls with grouted tiebacks and walers. Contract Value: \$11,400,000. Daniel Ruiz, Dragados, USA (954) 513-3821.
- Pump Station 650 Lakeside Ranch– **South Florida Water Management District (SFWMD)** – Furnish and install sheet pile and H-Pile wing walls with tiebacks and walers. Furnish and Install concrete piling and timber piling. Contract Value: \$ 715,000. Matthew Deluca, Douglas N. Higgins, Inc. (941) 309-5275
- Key West/Navy Design Build Pedestrian Bridge – **City of Key West, US Navy** – Furnish and install an elevated 120ft x 8ft wide Pedestrian Bridge. Contract Value: \$759,000. Doug Bradshaw, Project Manager, City of Key West, Port Operations (305) 809-3792
- MIA Manatee Gate Replacement– **Florida Department of Transportation** – Install Temporary Manatee Barrier, Install new manatee gate consisting of PS27.5 sheet pile manatee gate with W10x30 King pile, Aluminum manatee gates and Steel walkway. , Remove Temporary Manatee Barrier. Contract Value: \$156,000. Carmen S. Gonzalez, Turner Construction Company, (786) 265-0891
- Miami-Dade Fire Rescue Floating Dock and Boat Lift – **Miami-Dade County Seaport Department** – Furnish and install pile supported floating dock. Contract Value: \$486,402. Juan Bergouignan, Miami Dade County Seaport Department (305) 347-4974

YOSMEL MILIAN, P.E.

- Position:** Project Manager, Professional Engineer
Ebsary Foundation Company
2154 N.W. North River Drive
Miami, Florida 33125
Phone (305) 325-0530
ymilian@ebsaryfoundationco.com
- Responsibility:** Estimator and Project Manager of Land and Marine Based Heavy Highway, Bridge and Deep Foundation Construction Projects and Specialty Engineering Construction Projects with an emphasis on Deep Foundations, General Contracting and Design-Build. Responsible for estimating and management of projects from inception to completion; which includes, bidding and project procurement, proposals, prequalification, purchasing, subcontracting, submittals, scheduling, invoicing, cost control, equipment utilization, construction related design, project technical oversight, project coordination with owner, general contractor, engineer and subcontractor, permit and contract closure and punch list.
- Employment:** Ebsary Foundation Company, Miami, FL – 3 years as Project Manager, 2 years as a Project Engineer. Work included survey and layout, driven piling, augercast piling, seawalls and bulkheads, dredging, vibro compaction, soil replacement, diver work, sheet piling, drainage & utility work, anchor walls, paving, shoring, falsework, soil anchors, tremie seals, cofferdams, excavation, bridge construction, demolition, site work, precast concrete, cast in place concrete, dock construction.
- Education:** Bachelor of Science in Civil Engineering
Florida International University, Miami, FL
- Licenses:** State of Florida P.E. #78540
State of Florida E.I. # 1100014706
- Certifications & Training:** 30-Hour OSHA Training Course
10-Hour OSHA Training Course
Basic Rigger & Signalperson Training
Standard First Aid Training, AED & CPR Courses
- Experience:** Project Manager
- North Bay Road Pedestrian Emergency Bridge, City of Sunny Isles Beach, Florida
 - Mary Brickell Pump Station Cofferdam, Miami, Florida
 - Manatee Bend Shoreline Improvements, Miami, Florida
 - Museum Garage Foundation & Sheet Piling, Miami, Florida
 - Sunset Island Pump Station 3 & 4 Improvements, Miami, Florida
 - UM Pedestrian Bridges, Miami, Florida
 - FPL Pipe Bridge & Seawall Stabilization, Davie, Florida
 - FPL PPE Intake Culvert Rehabilitation, Port Everglades, Florida
 - South Pointe Pier Reconstruction, Miami Beach, Florida
 - Bulkhead 497 Reconstruction, Key West, Florida
 - Tarpon Pier Reconstruction, Key West, Florida
 - Design-Build Services for Seawall Stabilization at Museum Park, Miami, Florida
 - Port Miami Cruise Terminal C, F & G Runway Improvements, Port Miami, Florida

- Removal of Existing Catwalks at Rickenbacker Causeway Bear Cut Bridge, Key Biscayne, Florida
- San Marco Island Drainage Improvements, Miami, Florida

Project Engineer

- FPL PPE Intake Culvert Rehabilitation, Port Everglades, Florida
- FPL PPE Discharge Canal Bulkhead, Port Everglades, Florida
- FPL PPE Circulating Water Inlet Structure, Port Everglades, Florida
- SW North River Drive Seawall, Miami, Florida
- Port Miami Mooring Bollards, Phase I, Port Miami, Florida
- Cruise Terminal D & E Runway Extension, Port Miami Florida
- Wharf I Emergency Repairs, Port Miami, Florida
- Miami-Dade Fire Rescue Floating Dock and Boat Lift, Port Miami, Florida

PROJECT REFERENCES

- Museum Garage Foundation Piling – Furnish and Install 1,020 wall feet of Steel Sheet Piling and 372 ea. 18” x 40ft Augercast Foundation Piling. Contract Value: \$ 2,125,000.00. Andres Del Toro, KVC Constructors Inc., (305) 757-7707, andy.deltoro@kvconstructors.com.
- North Bay Road Pedestrian Emergency Bridge – **City of Sunny Isles Beach** – Construction of North Bay Road Pedestrian Bridge. Contract Value: \$ 6,026,716.85. Christopher J. Russo, City Manager, (305) 792-1776, crusso@sibfl.net
- Manatee Bend Shoreline Improvements – **City of Miami** – Furnish and Install Seawall Reconstruction. Contract Value: \$ 597,464.44. Jeovanny Rodriguez, City of Miami, (305) 416-1395, jrodriguez@miamigov.com
- Cruise Terminal D New Storm Bollard – **Miami-Dade County Seaport Department** – Construction of new Augercast Pile support storm bollard. Contract Value: \$ 97,914.00. Kari Garland, Miami Dade County Seaport Department, kari@miamidade.gov, (305) 347-4974
- University of Miami Pedestrian Bridge (NC-1779) – Furnish and Install 220ft x 13ft Pedestrian Bridge over Lake Osceola with 18” driven concrete pile, steel girders and Cast in Place Deck. Contract Value: \$ 899,500.00. Stephen Chang, Moss & Associates, (954) 524-5678, schang@mossemail.com
- FPL Pipe Bridge Replacement and South Bank Stabilization Project – **Florida Power and Light** – Construction of new elevated pipe Bridge and demolition of existing pipe bridge and construction of new sheet piling bulkhead. Contract Value: \$1,989,000. Bill Figler, Florida Power and Light, (561) 694-4749, William.figler@fpl.com
- South Pointe Pier Replacement Project – **City of Miami Beach** – Demolition and installation of new concrete fishing pier. Contract Value: \$ 1,365,250.00. Marty Murphy, Jr., Murphy Construction Company, (561) 655-3634, martinmurphy@themurphyco.com
- Repairs to Navy mole Bulkhead 497 – **US Department of the Navy, NAVFAC S.E. / City of Key West** – Demo and Install replacement 400 LF of new Sheet pile Seawall with CIP Concrete Cap and Promenade slab, waler and grouted soil anchor tiebacks, mill and repave the pier and utility restoration. Contract Value: \$ 3,278,822.00. Ray Cottom, NAVFAC SE, (850) 814-7060, Melvin.Cottom.ctr@navy.mil.
- Design-Build Services for Sewall Stabilization and Repair Project – **City of Miami** – Design and install grouted seawall tieback system for an existing failed seawall. Includes concrete repairs and site restoration. Contract Value: \$ 2,369,250.00. Jeovanny Rodriguez, City of Miami, (305) 416-1395, jrodriguez@miamigov.com
- Replacement of Tarpon Pier – **City of Key West** – Demo existing pile and timber dock and replace with new Floating Dock. Contract Value: \$ 1,421,533.00. Birchard Ohlinger, P.E., Engineering Department, City of Key West, (305) 809-3747, bohlinger@keywestcity.com.

- PortMIAMI Cruise Terminal C, F & G Runway Improvements and New Bollards (Project # 2013-041) – **Miami-Dade County Seaport Department** – Furnish and install 14” x 50ft Augered Cast-in-Place Piling and Cast-in-Place Concrete Runway Extensions for the Cruise Terminals and 24”x 80ft Augercast Pile supported 150 ton mooring bollards. Contract Value: \$ 868,405.00. Kari Garland, Miami Dade County Seaport Department, kari@miamidade.gov, (305) 347-4974
- Port of Miami Mooring Bollards Phase I – **Miami-Dade County Seaport Department** –Demolish existing fenders and apron slabs and Install 22 ea. bollards consisting of 88 ea 24” diameter x 77’ Augercast Piles and 22 ea cast in place concrete pile caps with 150 ton bollards. Contract Value: \$1,800,000. Juan Bergouignan, Port of Miami (305) 347-4974
- San Marco Island Drainage Improvements Cofferdam Construction – **City of Miami** – Design, Install and Remove 21ft x 57ft temporary cofferdam for pump station construction. Contract Value: \$205,000. Ed Dominguez, South Eastern Engineering Contractors. (305) 557-4226.
- Removal of Fishing Catwalks at Rickenbacker Causeway Bear Cut Bridge – **Miami Dade County** – Demolition and Disposal of existing concrete catwalk and fishing pier. Contract Value: \$380,407. Alberto Estevez, MDC Construction Manager, (305) 375-1918.
- Cruise Terminal D & E Runway Extension (Project # 2011-014.04) – **Miami-Dade County Seaport Department** – Furnish and install 14” x 50ft Augered Cast-in-Place Piling and Cast-in-Place Concrete Runway Extensions for the Cruise Terminals. Contract Value: \$ 789,757.00. Kari Garland, Miami Dade County Seaport Department, kari@miamidade.gov, (305) 347-4974
- FPL PPE Discharge Canal Sheet Pile Wall Installation – **Florida Power and Light, Port Everglades** – Design, Furnish and Install 550 wall feet replacement Steel Sheet Pile Bulkhead in the Plant Discharge Canal. Contract Value: \$ 881,000. David Boudreaux, Florida Power and Light (561) 691-3073
- FPL PPE Circulating Water Inlet Structure, Culvert & Canal Restoration – **Florida Power and Light, Port Everglades** – Reconstruction of the toe wall, tremie concrete, culvert repairs and canal bank stabilization. Contract Value: \$ 874,395. David Boudreaux, Florida Power and Light (561) 691-3073
- FPL PPE Seal Well Remediation Units 3 & 4 – **Florida Power and Light, Port Everglades** – Furnish and Install 12” Steel Pipe Piling and 14” Augercast Piling and Install Steel Sheet Piling. Contract Value: \$ 340,000. David Boudreaux, Florida Power and Light (561) 691-3073

BRENT W. HUFFMAN

Position: Project Manager, Safety Manager
Ebsary Foundation Company
2154 N.W. North River Drive
Miami, Florida 33125
Phone: (305) 325-0530 x113
bhuffman@ebsaryfoundationco.com

Responsibility: Project Manager and Safety Manager of Land and Marine Based Heavy Highway, Bridge and Deep Foundation Construction Projects; with an emphasis on Deep Foundations and General Contracting. Responsible for management of Projects from inception to completion; which includes, purchasing, subcontracting, submittals, scheduling, invoicing, cost control, equipment utilization, construction related design, project technical oversight, project coordination with owner, general contractor, engineer and subcontractor, permit and contract closure and punch list. Additionally responsible for providing companywide safety management to include, critical lift plans, site specific safety plans, safety training, equipment inspections, environmental safety plans and company safety audits and inspections.

Employment: Ebsary Foundation Company, Miami, FL – 4 years as a Project Manager and 1 year as Safety Manager. Work included driven piling, augercast piling, seawalls and bulkheads, combi-walls, diver work, sheet piling, shoring, falsework, anchor walls, tremie seals, cofferdams, anchor piling, excavation, bridge construction, precast concrete, site work, demolition, drainage and utility work, paving, cast in place concrete and General Contracting.

GLF Construction Corporation, Miami, FL – 2 years as Project Engineer. Engineered, planned and scheduled construction operations for 19 bridges at 6 interchanges of the I-595 Corridor. Managed and scheduled construction operations in accordance with the project schedule.

Condotte America, Inc., Miami, FL – 3 years as Project Engineer. Engineered, planned and scheduled construction operations for 5 bridges, 5 toll plazas and 4 miles of roadway construction of Florida's Turnpike. Managed and scheduled sub-contractors operations in accordance with the project schedule.

APAC Southeast, Inc. (Major Project Group), Miami, FL – 2 years as Field Engineer. Engineered, planned and scheduled construction operations for 13 bridges at 2 interchanges of SR-826 Corridor. Managed and scheduled sub-contractors operations in accordance with the project schedule.

Education: Bachelors of Science in Construction Management
Florida International University, Miami, FL
Masters of Science in Construction Management
Florida International University, Miami, FL

Certifications & Training:

OSHA 500, 510, and 511 Certifications
OSHA 10/30 Hour Authorized Construction Trainer
OSHA 3015, 3115, and 521 Certifications
30-Hour OSHA Training Course
10-Hour OSHA Training Course
Flagger Training Course
Basic Rigger & Signalperson Training
Standard First Aid Training, AED & CPR Courses
ATSSA Florida Advanced Work Zone Traffic Control
Certifications: Adult/Child/Infant CPR, Basic First Aid & Aerial Boomlift
Competent Person: Excavation, Trenching, and Confined Space Entry

Experience:

Project Manager

- Lennox Hotel Underground Garage & Foundation, Miami Beach, FL
- C-44 Reservoir / STA Project, S-401 Pump Station, Indiantown, Florida
- Port of Miami Tunnel Access Improvements (Bridge # 874089), Dodge Island Bridge, -Port Miami, Florida
- S-129, S-131, S-133 and S-135 Trash Rake and Access Bridge Rehabilitation, Okeechobee, Florida
- EAA A-1 Flow Equalization Basin, Palm Beach County, Florida
- Herbert Hoover Dike Culverts 10A Rehabilitation, Clewiston, Florida
- Herbert Hoover Dike Culverts 2 & 12A Rehabilitation, Clewiston, Florida
- Herbert Hoover Dike Culverts 8 & 13 Rehabilitation, Okeechobee, Florida
- Herbert Hoover Dike Culverts 11 & 16 Rehabilitation, Canal Point, Florida
- Herbert Hoover Dike Culverts 1 & 1A Rehabilitation, Moore Haven, Florida
- North District Chiller Plant CHW Interconnect Piping, Miami, Florida
- Arch Creek Pedestrian Bridges, North Miami, Florida
- Miami Harbor Construction Dredging (Phase 3), Miami, Florida
- Island Gardens Mega Yacht Facility, Miami, Florida
- Brickell Heights 1 & 2, Miami, Florida
- Brickell City Center Underground Garage & Foundation, Miami, Florida
- Biscayne Bay Yacht Club Seawall Rehabilitation, Coconut Grove, Florida

Project / Field Engineer

- I-595 Roadway Corridor Improvements Project, Broward County, Florida
- SR 821 (Florida's Turnpike) @ NW 74th Street, Bridge, Roadway and Toll Plaza Improvements Project, Doral, Florida
- SR 826 (Palmetto Expressway) Section 3 and 4, Bridge and Roadway Replacement Project, Miami, FL

PROJECT REFERENCES

- Lift Station 87 Phase I Microtunneling – City of Sarasota – Design, Furnish, Install and Remove Launching and Receiving Shaft Cofferdams for Microtunneling. Contract Value: \$1,179,430.00. Peter Turnbull, Vadnais Trenchless Services, Inc., (858) 550-1460, Pturnbull@prim.com
- Herbert Hoover Dike Rehabilitation Project, Culverts 2 & 12A Replacement – *US Army Corps of Engineers* – Temporary Combi-Wall Sheet Pile Cofferdams, Permanent steel Combi-Wall Sheet Piling. Contract Value: \$ 2,920,155.00. Willie Dobes, Harry Pepper and Associates, (904) 721-3300, wdobes@hpepper.com.

- Herbert Hoover Dike Rehabilitation Project, Culverts 8 & 13 Replacement – *US Army Corps of Engineers* – Temporary Combi-Wall Sheet Pile Cofferdams, Permanent steel flat web Sheet Piling. Contract Value: \$ 1,065,000.00. Willie Dobes, Harry Pepper and Associates, (904) 721-3300, wdobes@hpepper.com.
- Herbert Hoover Dike Rehabilitation Project, Culverts 10A Replacement – *US Army Corps of Engineers* – Temporary Combi-Wall Sheet Pile Cofferdams, Permanent steel flat web Sheet Piling. Contract Value: \$ 1,950,000.00. Willie Dobes, Harry Pepper and Associates, (904) 721-3300, wdobes@hpepper.com.
- Sunset Island Pump Station 3 & 4 Reconstruction – *City of Miami Beach* – Design, Install and Remove two temporary cofferdam for pump station construction. Contract Value: \$250,000.00. Andres Diaz, Ric-Man International, andresd@ric-man.us, (954) 426-1042
- FPL Discharge Sheet Pile Wall Supply and Install – *Florida Power and Light* – Construction of new steel sheet piling bulkhead inside the discharge canal. Contract Value: \$1,492,800.00. Bill Figler, Florida Power and Light, (561) 694-4749, William.figler@fpl.com
- C44 Reservoir/STA Project, S-401 Pump Station – *South Florida Water Management District* – Install and Remove 109ft x 100ft x 30ft Deep Sealed Cofferdam comprised of W36x194 x PZC26 Combi-wall, 3ft thick tremie and 21 permanent ground anchors. Install 14” and 18” prestressed concrete pile and permanent sheet pile bulkhead and tieback system. Contract Value: \$ 1,383,800. Kirk Watson, Harry Pepper & Associates (305) 797-5373, kwatson@hpepper.com
- Herbert Hoover Dike Rehabilitation Project, Culverts 11 & 16 Replacement – *US Army Corps of Engineers* – Temporary Combi-Wall Sheet Pile Cofferdams, Permanent steel Combi-Wall Sheet Piling. Contract Value: \$ 2,827,470.00. Tom Westervelt, Harry Pepper and Associates, (561) 792-9186, twestervelt@hpepper.com.
- EAA A-1 Flow Equalization Basin – *South Florida Water Management District* – Design, furnish, install, and remove temporary sheet pile cofferdams for 16 water control structures. Install approximately 3,870 linear feet of permanent steel sheet piling, 175 thread bar tiebacks, 500 LF of double channel waler, and 160 each 14” prestressed concrete piles. Contract Value: \$ 3,279,640.00. Miguel Vila, Central Florida Equipment, Inc., (305) 888-3344, Miguelv@centralfloridaequip.com.
- Arch Creek Bike Path & Pedestrian Bridge Replacement Project – *City of North Miami* – Furnish and Install 2 ea. 60ft x 8ft prefabricated steel truss pedestrian bridges supported by 24” prestressed concrete pile and footers. Contract Value: \$ 487,531.00. Ruby Johnson, City of North Miami, (305) 895-9887, rcrenshaw@northmiamifl.gov.
- S-133 and S-135 Pump Stations Trash Rake Upgrades and Site Improvements – *South Florida Water Management District* – Furnish and Install two (2) replacement steel combination wall and precast concrete bridge structures for Trash Rake Upgrades. Includes steel sheet pile underwater cutoff wall and trash rake divider wall and timber and composite pile. Contract Value: \$2,395,095.00. Matthew Deluca, McKenna Contracting, Inc., (941) 309-5275, mdeluca@mckennacontracting.com.
- S-129 and S-131 Pump Stations Trash Rake Upgrades and Site Improvements – *South Florida Water Management District* – Furnish and Install two (2) replacement steel combination wall and precast concrete bridge structures for Trash Rake Upgrades. Includes steel sheet pile underwater cutoff wall and trash rake divider wall. Contract Value: \$ 2,465,911.00. Matthew Deluca, McKenna Contracting, Inc., (941) 309-5275, mdeluca@mckennacontracting.com.
- ECHO Aventura Seawall, Augercast Pile and Temporary Steel Sheet Piling – Demolition of existing bulkhead obstructions, furnish and install 1100 wall foot steel sheet pile bulkhead, boulder rip rap, cast in place concrete cap, 215 ea. 36” augercast pile, 315 ea. 18” augercast pile and design, install and remove 9 ea. temporary steel sheet pile cofferdams. Contract Value: \$ 3,264,941.00. Rick Schuerger, John Moriarty, Inc., (954) 920-8550, rschuerger@jmaf.net
- The Brickell CitiCentre, Foundation Package – 1,153 LF of AZ19-700 permanent steel sheet piling and internal steel beam waler and bracing. Contract Value: \$ 7,012,411. Charles Bartlett, Malcolm Drilling Company, Inc., cbartlett@malcolmdrilling.com (813) 523-1427.
- Biscayne Bay Yacht Club Seawall – Furnish and Install 125 wall feet of new steel sheet piling seawall with concrete cap, rip-rap, and uplands. Contract Value: \$155,000.00. Jeff Williamson, (305) 794-6839, jwilliamson@hbre.net.

Jeffrey D. Malyszek, PE

Principal

KEY FEATURES

32 Years of experience
Monroe County Experience
Heavy Steel Sheet Pile
Experience

EDUCATION

BS Civil Engineering,
Michigan Technological
University, 1984

REGISTRATION

Florida, 48745, 1995
North Carolina, 15441,
1989

AFFILIATIONS

American Concrete
Institute
American Society of Civil
Engineers
National Society of
Professional Engineers
Professional Engineers of
North Carolina

EXPERIENCE

Since joining Moffatt & Nichol in 1992, Mr. Malyszek has provided planning, inspection, evaluation, analysis, design, construction documents and post-construction-award services for port projects throughout the United States and around the world. For these projects, he has routinely served as project manager and/or waterfront structural engineer with the majority of this experience focused in the eastern United States and Caribbean. Typical projects have involved wharves, piers, bulkheads, relieving platforms, caissons, mooring/breasting dolphins, and dry docks comprised of a variety of materials - timber, steel, concrete, fiberglass, plastic, and composites. In addition to waterfront structure projects, Mr. Malyszek has also engineering services for typical port buildings such as warehouses, maintenance/service facilities, and administrative facilities such as port security offices and dock worker buildings. As a waterfront structural engineer who is a certified diver, he has a long history of topside and underwater inspections of waterfront structures completed in all manner of weather conditions. Pennsylvania DOT has certified him for bridge inspection and standard bridge rating practices.

REPRESENTATIVE PROJECT EXPERIENCE

Port of Tampa Container Terminal Expansion Phases 2 and 3, Tampa, Florida. Principal-in-charge for planning, design, construction documents, project management, and construction support services for a variety of electrical improvements to Berths 212 and 213, including electrical service for one new ship-to-shore container crane and additional high-voltage distribution to support three relocated cranes; the service consisted of a 13.2kV circuit that linked the terminal owner's switching station to a receptacle station on the wharf.

Port of Tampa Berth 213 Improvements, Tampa, Florida. Project manager for a cargo/container wharf at the southern end of Hooker's Point, the project involved preparation of conceptual study and construction plans and specifications. The conceptual study included design criteria for wharf and upland design based on use goals set by the client, and available cargo vessel size, and frequency for the area, utility, grading, pavement, wharf and lighting concepts, fender and bollard studies, and construction cost estimates for each concept. Additional responsibilities included QA/QC of construction plans, specifications and calculations and coordination with the Tampa Port Authority and subconsultants. Planning studies included phasing construction of Berth 213 and adjacent berths and upland areas to sequence growth of the area with the anticipated growth of the tenant.

City of St. Petersburg General Engineering Open-End Contract, St. Petersburg, Florida. Project manager, waterfront structural engineer, and diver for implementation of Port Master Plan as well as expansion of its municipal marina. Services provided include completion of grants and loans applications, project renderings, permit applications and supporting documents, intermodal facility planning, detailed topside and underwater structural assessments of waterfront structures, wind and wave climate evaluation for marina



expansion, waterfront structure repair/replacement designs, construction document preparation, and construction administration.

Channelside Redevelopment and Port of Tampa Cruise Terminal 3, Tampa, Florida. Project manager and waterfront structural engineer for the master planning, engineering, and design to transform a 37-acre commercial/industrial port tract into a cruise ship home port facility and a landmark, signature destination. The master plan included three cruise ship berths, intermodal facility, office space, restaurants, shops, and other entertainment venues. Waterfront structures included approximately 3,000 linear feet of new cruise ship wharf comprising steel king pile bulkhead with tieback system, fenders, and bollards for the cruise ship terminal. New cruise ship facilities included an approximately 105,000-square-foot new passenger terminal. Led the preparation of final construction drawings and specifications, and provided project management through the construction support services and coordination of tasks amongst subcontractors for the ongoing construction. Project included utility and roadway upgrades for the facility. Traffic patterns were changed in the area to provide efficient traffic flow for cars and buses. 4633

Anclote Key Preserve State Park Service Dock Replacement, Anclote Key, Florida. Project manager for preparation of preliminary and final designs, permit application, construction documents, and bid document review for construction of a new service dock to allow access to the key as part of renovation of the Anclote Key Light Station. Pier consisted of concrete piles and bent cap topped by timber stringers/decking and designed to handle medium vehicle loads to allow equipment loading. Provided construction administration services. 4169-01

Container Terminal, Cartagena, Colombia. Waterfront structural engineer for design and assisted in the preparation of construction documents for a new container terminal wharf - 210 meters long (690 ft) by 33.75 meters wide (110 ft) which supports a 100-foot-gauge container crane to service post-Panamax ships. Designed complete wharf system including the wharf structure, crane rail details, expansion joint details for both the structure and the crane rail, crane tie down details and structural components of mooring, fendering and utility systems.

U.S. Coast Guard Group St. Petersburg Small Boat Mooring and Fueling System Design-Build, St. Petersburg, Florida. Project manager for permit support, design and construction surveillance for bulkheaded wharf replacement involving a steel sheet pile bulkhead, concrete apron, breasting dolphins, mooring hardware and electrical system. Provided mooring and berthing analysis as input to dolphin and mooring hardware design. Steel sheet pile bulkhead was anchored using tie rods and was designed for service load combinations comprised of U.S. Coast Guard Patrol Boat, uniform live load (300 psf), wheel load (HS20-44) and mobile crane (35-ton). 4973-27

U.S. Coast Guard Station Islamorada Waterfront Repairs, Islamorada, Florida. Project manager for the site evaluation and design of construction documents for repairs to the U.S. Coast Guard Station Islamorada waterfront facilities. The first task for the project included conducting above water and underwater inspection of the existing structures (pier, bulkhead, shore protection) to determine its condition, estimate remaining service life, and to identify and document deficiencies for repair. Provided an analysis of the existing pier and bulkheads and prepared construction documents for repairs to the facilities



based on the conceptual designs presented in the Conceptual Design Phase of the project. 4384-01

The Marina at Atlantis, Paradise Island, Bahamas. Waterfront structural engineer for development of a mega-yacht basin at the Atlantis II resort involving upland basin excavation. Provided berthing analysis for mega-yachts as input to fender system and fixed pier design, and provided design and construction document preparation for fender system, fixed piers, rock excavation, and basin perimeter bulkheads. 4019

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Timothy K. Blankenship, PE

Project Manager

KEY FEATURES

24 Years of experience

Marina Planning and Engineering Design experience in Southeast Florida

Marine structures experience in Key West

Environmental permitting experience in Monroe County

EDUCATION

ME Coastal Engineering, Old Dominion University, 1994

BS Civil Engineering, Old Dominion University, 1992

REGISTRATION

Florida, 55910

AFFILIATIONS

American Society of Civil Engineers, Miami-Dade Branch, Past President

American Society of Civil Engineers, Florida Section, Report Card on Florida Infrastructure Committee on Coastal Areas

ASCECOPRI Marinas 2020 Committee

EXPERIENCE

Mr. Blankenship has over 20 years of experience with waterfront/marina, port infrastructure, and coastal engineering consulting projects throughout the U.S., Caribbean and Central America. He has completed over 50 marina and associated waterfront improvement projects. The marinas have included facilities for both wet and dry slips, and services have ranged from due diligence, planning, and feasibility studies, through engineering design, environmental permitting and construction administration.

He is a co-author of Manual 50, *Planning and Design Guidelines for Small Craft Harbors* published in 2012 by the Marinas 2020 Task Committee of the Ports and Harbors Committee of the Coasts, Oceans, Ports and Rivers Institute of the American Society of Civil Engineers.

Mr. Blankenship has planned and conducted comprehensive field investigations for coastal/marine projects including hydrographic surveys, oceanographic measurements, marine resource mapping, geophysical and geotechnical evaluations. He has extensive coastal/marine experience in the Florida Keys that has included engineering design and studies at the 4 state parks in Monroe County as well as the design of two resort piers in Key West.

REPRESENTATIVE PROJECT EXPERIENCE

RMK Merrill Stevens North Yard Redevelopment, Miami, FL Engineering design and environmental permitting for the shipyard redevelopment that includes basin filling, bulkheads, and installation of shiplift with capacity for vessels up to 230' long. Design of upland pile-supported transfer berths and stormwater management.

Marine Stadium Marina, Miami, FL Engineering design and environmental permitting of 540 lf of bulkhead replacement, maintenance dredging, and pile-supported platform for marine forklift operations.

Faro Blanco Resort Plan, Marathon, FL. Conducted marine resource mapping and hydrographic surveys of the existing marina to plan for a marina redevelopment project. Completed the engineering design for maintenance dredging, bulkheads, and docks for 82-slip marina. Environmental permits were obtained from the Florida Department of Environmental Protection and the Corps of Engineers. Also provided submerged lands consulting through the DEP.

Haulover Marine Center, Miami-Dade County, FL Engineering design and marina planning for 480 dry slip marina. Conducted field investigations and designed dredging and floating dock staging area. Designed forklift launch area platform and bulkhead. Completed water, sewer and electrical site utilities design, and designed stormwater management system. Planned and designed maintenance yard for park operations and parking lot reconfiguration with paving and grading.



Fort Zachary Taylor State Park, Key West, FL. Project manager for the coastal engineering design and environmental permitting for breakwaters, jetties, and beach fill project for shoreline protection at the park.

Reach Resort Pier, Key West, FL. Project engineer for the coastal and structural design of a beach pier at the resort. The pier included wood trellis and a gazebo to match the Key West Historical Architecture. Provided curved boardwalk designed with ADA access. Obtained environmental Department of Environmental Protection (DEP) permits and provided construction administration

Sunset Key Shoreline Stabilization, Key West, FL. Project engineer for the assessment and survey of shoreline stabilization after a hurricane and the design of armor stone revetment repairs. The emergency environmental permitting for shoreline improvements and for marine structures repairs on the mainland included floating docks, bulkhead, and a wave barrier.

Mooring Field Feasibility Study, Monroe County, FL. Project engineer who conducted hydrographic and marine resource surveys at Jewfish Creek, Buttonwood Sound, and Boca Chica Basin. Evaluated environmental permitting feasibility along with upland support facilities. Prepared feasibility report with conceptual managed mooring field layouts and recommendations of prepared alternatives

Harbourside Jupiter, FL Engineering design of 1,055 linear feet of steel sheet pile bulkhead for the Jupiter Riverwalk along proposed mixed-use upland development. Sheet piling designed to account for de-mucking operations for the foundation of the Riverwalk and to avoid impacts to adjacent mangroves. Designed 9-slip timber fixed dock for public access to the Riverwalk including fire protection system.

Miamimarina at Bayside, Miami, FL Assessment, environmental permitting and design of replacement fixed docks for 19 slips at Pier 5. Designed marina utilities and provided construction administration.

Pier 66 Marina, Ft. Lauderdale, FL Planning and design of 99 slip marina redevelopment to accommodate vessels up to 250' long. Design of bulkhead replacement and associated shore-support structures, along with fixed and floating docks for wet slips. Design of marina utilities and provided construction administration and Resident Project Representative services.

PUBLICATIONS/PRESENTATIONS

"Boat Wake Observations at Jensen Beach, Florida" Sheremet, A., U. Gravois, M. Tian, T. K. Blankenship, P.E., Proceedings 2011 Conference on Coastal Engineering Practice, Coasts, Oceans, Ports and Rivers, Institute (COPRI), ASCE.

"Loggerhead Marina-Jupiter, a Case Study in Drystack Marina Rehabilitation" T. K. Blankenship and K. Blair, presented at the IMI 10th National Dry Stack Conference, October, 2013.

"Revenue Driven Marina Improvements," presented at International Marina Institute (IMI) 11th Annual Conference; Increasing Marina Profits in the New Economy. October, 2011.



“When More is Less in Rack Configuration,” presented at the IMI 9th National Dry Stack Conference, October, 2010

“Engineering Aspects - Dry Storage Marinas,” Presented at IMI 7th National Dry Stack Conference, October, 2007.

Deborah C. MacPherson, PE

Senior Structural Engineer

EDUCATION

MS Structural Engineering,
University of
Massachusetts, 2003

BS Civil & Environmental
Engineering (Structural
Engineering), University of
Connecticut, 2000

AS Engineering, Wentworth
Institute of Technology,
1997

REGISTRATION

Florida, 66192, 2007

New Hampshire, 11392,
2004

EXPERIENCE

Ms. MacPherson possesses more than 15 years of structural engineering experience with expertise in inspection, assessment, planning, design, construction document preparation, and post-construction award services for waterfront civil and structural projects with a particular focus on design of new and renovated waterfront structures. She has completed these types of projects for a variety of public and private clients such as the U.S. Navy, Coast Guard, and Air Force; municipal and state governments; shipyards; oil and bulk ship terminal owners; and other organizations.

REPRESENTATIVE PROJECT EXPERIENCE

Burnside Bulk Coal Terminal Development, Darrow, Louisiana. Project Engineer for the master planning, environmental permitting, and engineering services to assist with the redevelopment of the Burnside Terminal into a state-of-the-art major bulk terminal for coal, bauxite, and alumina. Led a team of engineers in the preparation of over 30 sets of tender and contract documents for the US\$320 million Phase I of this multi-phased project, which includes a new landside terminal, a new Continuous Barge Unloader and redevelopment of the existing bulk material berth. Led the on-site construction support services team to oversee construction of waterfront improvements including rehabilitation of the coal wharf and access trestle, construction of the CBU foundation and access trestle and the installation of conveying equipment and transfer towers. Civil site improvements include demolition; grading and drainage; utility construction; installation of fire water, potable water, wash-down water, and dust suppression water for the berths and the West Yard; and installation of mechanical and electrical services for the terminal, including four substations, duct banks, and power distribution. Also provided design for conveyors, transfer towers, transfer chutes, and mechanical and electrical equipment. 7496-01

Manga Terminal, Cartagena, Colombia. Project Engineer for the expansion of a 38.9-ha container terminal. The project consisted of a feasibility study for the expansion of the terminal to accept up to 12,500 TEU vessels and tender documents. Tender documents included the expansion of the existing wharf by adding Berth 9 (162 m) for a total of 700 meters, the expansion of the container yard to 39.3 ha by reclaiming 0.42ha of land, approximately 70,000 cubic meters of immediate dredging and the planning for future dredging for the 12,500 TEU design vessel. 6465-03

City of St. Petersburg General Engineering Open-End Contract, St. Petersburg, Florida. Waterfront structural engineer for implementation of Port Master Plan as well as expansion of its municipal marina. Services provided include completion of grants and loans applications, project renderings, permit applications and supporting documents, intermodal facility planning, detailed topside and underwater structural assessments of waterfront structures, wind and wave climate evaluation for marina expansion, waterfront structure repair/replacement designs, construction document preparation, and construction administration. 4817



Wharves H, J, I, and L, Puerto Nuevo Terminal, San Juan, Puerto Rico. Project manager for the repair and upgrades to the existing Port of San Juan wharf to accommodate a new LNG powered vessel. Upgrades consisted of installing new mooring hardware and fender system to accommodate the new vessel, replacement of the waterside rail, installation of crane tie downs for three new gantry container cranes, installation of a HFCS pipe trench and vaults, and installation of upgraded electrical system to power the new cranes. Moffatt & Nichol provided conceptual design, construction documents, and construction support services.

Norfolk Naval Shipyard Ship Repair Pier 5 Replacement, Portsmouth, Virginia. Waterfront structural engineer for this \$165 million design-bid-build pier replacement project for which Moffatt & Nichol was lead partner of the joint venture. Project involved demolition of two 1,000-foot-long piers; construction of a new concrete pile-supported 1,225-foot-long, 230-foot-wide pier; demolition and repair of 1,000 feet of marginal wharf; dredging; twin portal crane tracks; railroad tracks; heavy-weather mooring; site civil development; civil, mechanical, electrical and communications utilities, including fire protection and high-mast lighting; a 12,000-gallons-per-minute saltwater pump station; a 4,400-square-foot restroom; and demolition of five buildings. Developed the approach for the demolition of existing Piers 4 and 5. These earth-filled bulkhead structures required a demolition design that would allow for the safe removal of the structures without the loss of the contaminated fill material behind the bulkheads. Also checked structural analysis and calculations for new bulkhead, open wharf deck design, and slab design. 6776

U.S. Coast Guard Academy Waterfront Bulkhead Replacement, New London, Connecticut. Waterfront structural engineer for replacement of deteriorated timber bulkhead with a 480-foot-long steel sheet pile bulkhead. Designed bulkhead and utilities to support moored vessels. Two different bulkhead systems—cantilevered wall or soil anchors—were used dependent upon the shoreline location.

Portsmouth Naval Shipyard Berth 7 Reconstruction, Kittery, Maine. Waterfront structural engineer for the design and construction document preparation for reconstruction of failing 700-foot-long granite quay wall to support a U.S. Coast Guard Cutter and Navy barges. Based on repair recommendations and opinions of probable costs, developed various repair concepts using Navy design criteria. Repairs included complete repair and re-facing of quay wall with steel sheet piles. Provided mooring and berthing analyses for various vessel sizes and prepared construction documents for mooring/berthing systems, utilities, grading, and pavements.

Tampa Riverwalk, Tampa, Florida. Project Engineer for the development of waterside components of master plan for Tampa Riverwalk along Garrison Channel and Hillsborough River. Tampa Riverwalk is Tampa's urban waterfront regeneration project that is being developed to provide a vibrant and interactive waterfront experience for residents and visitors of the Tampa Bay area. Master plan components considered environmental impacts, navigational constraints, and condition of existing waterfront structures (i.e., seawalls and bridges) and current and future use of waterfront properties. Integrated waterside components of the Riverwalk with work of remainder of Riverwalk team. Final design development and preparation of contract documents for repairs to the seawalls, bulkheads and individual overwater walkways. 5735



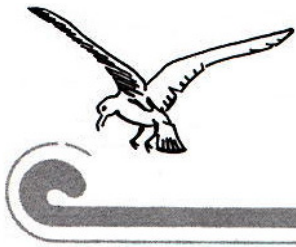
Deborah C. MacPherson, PE

Senior Structural Engineer

Baha Mar Resort, Cable Beach, New Providence Island, Bahamas. Waterfront structural engineer for the US\$2 Billion dollar world-class destination resort development. Engineering services include design and preparation of contract documents for the beachfront floodwalls to stabilize the beach and protection critical infrastructure during extreme storm events, bulkheads to interior canals and lakes, pedestrian bridges, vehicular bridges, and vehicular service tunnels. 5991

DESIGN CONTRACTS CURRENTLY UNDERWAY

Name of Project	Prime Contractor Name and Address	Date of Contract	Contract	Owner Name and Address	Scope of Work	Are Permitting Services Provided?
			\$ Amount			
RMK Merrill Stevens	Ebsary Foundation Company	5/4/2015	\$ 719,973.00	RMK Merrill Stevens Miami, Florida	Shipyards redevelopment planning, environmental permitting, engineering design for shiplift modernization with transfer berths to accommodate vessels up to 230' long	Yes
Spring Garden Park Shoreline Stabilization	N/A	1/30/2017	\$ 101,651.00	City of Miami Miami, Florida	Bulkhead replacement design, environmental permitting, and kayak ramp design.	Yes
Key Biscayne Beach Nourishment	N/A	12/7/2016	\$ 60,902.00	Village of Key Biscayne, Florida	Beach nourishment coastal engineering design and joint coastal permitting for 22,000 cy truck haul beach nourishment	Yes
Wharf Pavement Improvement	N/A	7/8/2016	\$ 84,646.00	TOTE Maritime Puerto Rico Jacksonville, Florida	Engineering, Design and Construction support services for the Wharf Improvements. Continued Owner's Representative during the construction phase.	No
TEC – Sheet Pile Assessment	N/A	11/19/2016	\$ 45,700.00	Tampa Electric Company Tampa, Florida	Refrigerated Warehouse Facility at Port Tampa Bay Berth 219 on the former Trademark Metals lease area near the southwest terminus of the Hooker's Point peninsula.	No



EBSARY

foundation company

3.1. NEW NORTH CRUISE BERTH 7, CRUISE TERMINAL A DEVELOPMENT PROJECT

GENERAL CONTRACTOR: Moss & Associates
1001 North American Way, Suite 213
Miami FL 33132

DATE OF CONTRACT: 2/27/2017

CONTRACT \$ COMPLETE: \$0

DESIGN ENGINEER: ATKINS North America
2001 Northwest 107th Ave
Miami, Florida 33172

OWNER: Miami-Dade County Seaport Department
Royal Caribbean International
1001 North American Way, Suite 213
Miami FL 33132

SCOPE: Demolition and Reconstruction of new 1475 ft long Cruise Ship Berth, to include steel sheet pile combination wall bulkhead, anchor wall and tiebacks, water service, utilities, Paving, Storm water, high wind bollards, fenders, cast in place concrete, demolition and dredging.

CONTRACT VALUE \$ 21,775,000.00

CONTRACT POC: Dave Whelpley
Wesco Construction
(305) 259-3440
dwhelpley@wescocm.com

3.2. RMK MERRILL STEVENS NORTH YARD SHIP LIFT CONSTRUCTION

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 11/1/2016

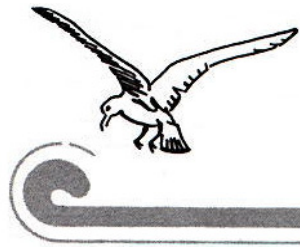
CONTRACT \$ COMPLETE: \$1,840,000.00

DESIGN ENGINEER: Moffatt & Nichol
2937 SW 27th Avenue, Suite 101A
Coconut Grove, Florida 33133

OWNER: RMK Merrill Stevens. LLC
881 NW 13th Ave
Miami, FL 33125

SCOPE: Demolition and Construction of new pile supported Ship Lift and Transfer Berth. Work includes demolition, new anchored seawall, combination wall bulkhead, dredging, augercast piling, stormwater, plumbing, paving, and foundation construction.

CONTRACT VALUE \$ 2,525,000.00



EBSARY

foundation company

CONTRACT POC: Douglas Pearlson
Pearlson Ship Lift
(305) 704-7829
douglaspearlson@shiplift.com

3.3. LIFT STATION 87 PHASE I MICROTUNNELING (16-09DB)

GENERAL CONTRACTOR: Vadnais Trenchless Services, Inc.
2130 La Mirada Drive
Vista, CA 92081

DATE OF CONTRACT: 7/7/2016

CONTRACT \$ COMPLETE: \$800,000.00

DESIGN ENGINEER: McKim & Creed
378 Interstate Court
Sarasota, FL 34240

OWNER: City of Sarasota
1565 First Street
Sarasota, FL 34236

SCOPE: Design, Furnish, Install and Remove Launching and Receiving Shaft
Cofferdams for Microtunneling.

CONTRACT VALUE \$ 1,217,000.00

CONTRACT POC: Peter Turnbull
Vadnais Trenchless Services, Inc.
(858) 550-1460
Pturnbull@prim.com

3.4. NORTH BAY ROAD PEDESTRIAN EMERGENCY BRIDGE

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

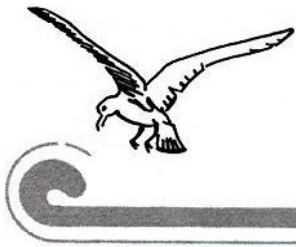
DATE OF CONTRACT: 1/22/2016

CONTRACT \$ COMPLETE: \$ 2,135,191.00

DESIGN ENGINEER: Calvin, Giordano & Associates, Inc.
1800 Eller Drive, Suite 600
Ft. Lauderdale, FL 33316

OWNER: City of Sunny Isles Beach
18070 Collins Avenue
Sunny Isles Beach, Florida 33160

SCOPE: Furnish and Construct an Emergency Vehicle / Pedestrian Bridge over the
North Bay Road Canal consisting of 42" drilled shafts, precast concrete
girders, cast in place concrete deck, soil stabilization, new seawall, trestle



EBSARY

foundation company

CONTRACT VALUE \$ 6,026,716.85
CONTRACT POC: Christopher J. Russo
City of Sunny Isles Beach
(305) 792-1776
crusso@sibfl.net

3.5. TAMAMI CANAL SWING BRIDGE REPLACEMENT PROJECT

GENERAL CONTRACTOR: Archer Western Construction, LLC
4343 Anchor Plaza Parkway, Suite 155
Tampa, FL 33634

DATE OF CONTRACT: 10/5/2015
CONTRACT \$ COMPLETE: \$ 3,676,600.00
DESIGN ENGINEER: Hardesty & Hanover, LLC
8750 NW 36th Street, Suite 570
Doral, Florida 33178

OWNER: Miami Dade County Public Works & Waste Management Department
111 NW 1st Street
Miami, Florida 33128

SCOPE: Installation of permanent bascule cofferdam, driven concrete foundation piling, driven timber piling, permanent sheet pile bulkhead, dredging and rip rap placement.

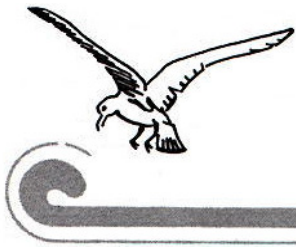
CONTRACT VALUE \$ 4,800,000.00
CONTRACT POC: Dhaval Gandhi
Archer Western Construction, LLC
(239) 229-5134
dgandhi@walshgroup.com

3.6. HERBERT HOOVER DIKE CULVERT REHABILITATION PROJECT, CULVERTS 2 & 12A REPLACEMENT

GENERAL CONTRACTOR: Harry Pepper & Associates, Inc.
9000 Regency Square Blvd, Suite 100
Jacksonville, FL 32211

DATE OF CONTRACT: 4/7/2015
CONTRACT \$ COMPLETE: \$ 1,125,000.00
DESIGN ENGINEER: Department of the Army, Jacksonville District
701 San Marco Blvd
Jacksonville, Florida 32207

OWNER: Department of the Army, Jacksonville District
701 San Marco Blvd



EBSARY

foundation company

SCOPE: Jacksonville, Florida 32207
Installation and Removal of Temporary Combi-Wall Sheet Pile
Cofferdams and installation of Permanent Steel Sheet Piling

CONTRACT VALUE \$ 2,920,155.00

CONTRACT POC: Willie Dobes
Harry Pepper & Associates, Inc.
(904) 721-3300
wdobes@hpepper.com

3.7. HERBERT HOOVER DIKE CULVERT REHABILITATION PROJECT, CULVERTS 8 & 13 REPLACEMENT

GENERAL CONTRACTOR: Harry Pepper & Associates, Inc.
9000 Regency Square Blvd, Suite 100
Jacksonville, FL 32211

DATE OF CONTRACT: 4/11/2014

CONTRACT \$ COMPLETE: \$ 1,011,000.00

DESIGN ENGINEER: Department of the Army, Jacksonville District
701 San Marco Blvd
Jacksonville, Florida 32207

OWNER: Department of the Army, Jacksonville District
701 San Marco Blvd
Jacksonville, Florida 32207

SCOPE: Installation and removal of Temporary Combi-Wall Sheet Pile Cofferdams
and installation of Permanent Steel Sheet Piling

CONTRACT VALUE \$ 1,117,000.00

CONTRACT POC: Willie Dobes
Harry Pepper & Associates, Inc.
(904) 721-3300
wdobes@hpepper.com

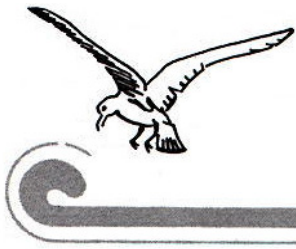
3.8. HERBERT HOOVER DIKE CULVERT REHABILITATION PROJECT, CULVERT 10A REPLACEMENT

GENERAL CONTRACTOR: Harry Pepper & Associates, Inc.
9000 Regency Square Blvd, Suite 100
Jacksonville, FL 32211

DATE OF CONTRACT: 3/9/2016

CONTRACT \$ COMPLETE: \$ 833,511.00

DESIGN ENGINEER: Department of the Army, Jacksonville District
701 San Marco Blvd
Jacksonville, Florida 32207



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foundation company

OWNER: Department of the Army, Jacksonville District
701 San Marco Blvd
Jacksonville, Florida 32207

SCOPE: Installation and removal of Temporary Combi-Wall Sheet Pile
Cofferdams, installation and removal of cofferdam Walers and Bracing
and installation of Permanent Steel Sheet Piling

CONTRACT VALUE \$ 1,773,511.00

CONTRACT POC: Willie Dobes
Harry Pepper & Associates, Inc.
(904) 721-3300
wdobes@hpepper.com

3.9. MARY BRICKELL PUMP STATION COFFERDAM

GENERAL CONTRACTOR: Southeastern Engineering Contractors, Inc.
12054 NW 98th Ave
Hialeah Gardens, FL 33018

DATE OF CONTRACT: 9/2/2016

CONTRACT \$ COMPLETE: \$ 202,000.00

DESIGN ENGINEER: T.Y. LIN International
201 Alhambra Circle, Suite 900
Coral Gables, Florida 33134

OWNER: City of Miami
3500 Pan American Drive
Miami, Florida 33018

SCOPE: Design, Install and Remove temporary sheet pile cofferdam for pump
station construction

CONTRACT VALUE \$ 217,000.00

CONTRACT POC: Ed Dominguez
Southeastern Engineering Contractors, Inc.
(305) 557-4226
edd.sec@comcast.net

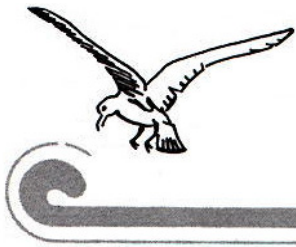
3.10. SUNSET ISLAND NEIGHBORHOOD 8 RIGHT OF WAY IMPROVEMENTS, PUMP STATION 3 & 4 CONSTRUCTION

GENERAL CONTRACTOR: Ric-Man International, Inc.
2601 Wiles Rd.
Pompano Beach, Florida 33073

DATE OF CONTRACT: 11/21/2016

CONTRACT \$ COMPLETE: \$ 266,000.00

DESIGN ENGINEER: Chen-Moore & Associates



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OWNER: 2103 Coral Way, Suite 401
Miami, FL 33145
City of Miami Beach
1700 Convention Center Drive
Miami Beach, FL 33139

SCOPE: Design, Install and Remove temporary sheet pile cofferdam For pump station 3 and 4 construction

CONTRACT VALUE \$ 328,445.00

CONTRACT POC: Andres Diaz
Ric-Man International, LLC.
(954) 426-1042
andresd@ric-man.us

3.11. MIDTOWN 8 AUGERCAST PILING

GENERAL CONTRACTOR: KAST Construction Company, LLC.
701 Northpoint Parkway, Suite 400
West Palm Beach, Florida 33407

DATE OF CONTRACT: 1/6/2017

CONTRACT \$ COMPLETE: \$ 458,000.00

DESIGN ENGINEER: Stantec Architecture, Inc.
2 Biscayne Blvd. Suite 1670
Miami, FL 33131

OWNER: Alta Midtown 8, LLC
3715 Northside Parkway
Bldg. 400, Suite 600
Atlanta, GA 30327

SCOPE: Furnish and Install 24" x 75ft And 14" x 45ft Augercast Foundation Piling, to include test pile program

CONTRACT VALUE \$ 1,845,000

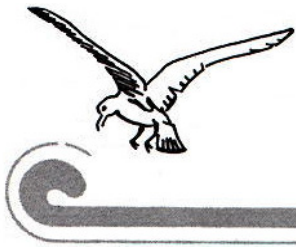
CONTRACT POC: Tony Costa
KAST Construction Company, LLC.
(561) 689-2910
acosta@kastbuid.com

3.12. ELYSEE SEAWALL CONSTRUCTION

GENERAL CONTRACTOR: John Moriarty & Associates of Florida, Inc.
1942 Tyler Street
Hollywood, Florida 33020

DATE OF CONTRACT: 11/28/2016

CONTRACT \$ COMPLETE: \$ 56,000.00



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foundation company

DESIGN ENGINEER: Arquitectonica, LLC
2900 Oak Ave
Miami, Florida 33131

OWNER: 700 Miami Partners, LLC
314 Clematis Street, Suite 200
West Palm Beach, FL 33401

SCOPE: Demolition of existing bulkhead obstructions, furnish and install 130 wall foot steel sheet pile seawall with cast in place concrete cap.

CONTRACT VALUE \$ 247,274.00

CONTRACT POC: Rick Schuerger
John Moriarty & Associates of Florida, Inc.
(954) 920-8550
rscjierger@jmaf.net

3.13. SR821 (HEFT) FROM N OF SW 40TH ST (BIRD RD.) TO SR 836 (DOLPHIN EXPRESSWAY) SOUND WALLS

GENERAL CONTRACTOR: Concrete Impressions of Florida, Inc.
PO Box 292782
Tampa, Florida 33687

DATE OF CONTRACT: 12/8/2016

CONTRACT \$ COMPLETE: \$ 0

DESIGN ENGINEER: LEAP Associates International, LLC.
PO Box 16007
Tampa, Florida 33687

OWNER: Florida Turnpike Authority (HEFT)
Florida's Turnpike Operations Center
PO Box 9828
Ft. Lauderdale, FL 33310

SCOPE: Install Augercast Piles and set templates and posts for Sound Walls.

CONTRACT VALUE \$ 1,317,045.00

CONTRACT POC: George Southworth
Concrete Impressions of Florida, Inc.
(813) 899-4284
gl@ciflorida.com

4. List the Design Contracts your organization has completed in the past five (5) years with relevance to this proposed Design/Build project.

Name of Project	Prime Contractor Name and Address	Date of Contract	Contract \$ Amount	Owner Name and Address	Scope of Work	Were Permitting Services Provided?
Sheet Pile Bulkhead Repair		12/1/2004	\$224,989	US Coast Guard	See Attached Project Summary	
Cruise Terminal 6 Dive		6/8/2017	\$70,008	Port of Tampa	See Attached Project Summary	
Berths 238-239 MOTEMS		6/20/2013	\$295,649	Port of Los Angeles	See Attached Project Summary	
Berths 150-151 Bulkhead		5/21/2013	\$47,501	Port of Los Angeles	See Attached Project Summary	
Riverfront Harbor Redevelopment		12/28/2013	\$30,000	Riverlife	See Attached Project Summary	
Julian B Lane Park Renovation		1/6/2013	\$320,801	Civitas	See Attached Project Summary	
Halliburton Bulkhead Assessment		5/5/2015	\$29,176	Alfred Palma, LLC	See Attached Project Summary	
Colonna's Shipyard Bulkhead Emergency Repairs		10/1/2015	\$193,270	Colonna's shipyard	See Attached Project Summary	
Alameda Point Site "A" Bulkhead Evaluation		10/12/2015	\$116,358	Alameda Point Partners	See Attached Project Summary	
Lower North Bay Road Right of Way		3/1/2016	\$14,745	Civil Works, Inc	See Attached Project Summary	
Additional Projects can be provided upon request						

(Use extension sheet if necessary)

Sheet Pile Bulkhead Repair, Tongue Point Naval Station, Astoria, Oregon

Client: U.S. Coast Guard Civil Engineering Unit Oakland



As part of a 5-year indefinite delivery/indefinite quantity contract with the Coast Guard, Moffatt & Nichol was proceeding with the regulatory review of a repair project at Tongue Point Naval Station when the 75-year-old sheet pile bulkhead at that facility failed. Moffatt & Nichol was called in to perform an emergency inspection and discovered that the concrete slab adjacent to the bulkhead had caved in due to extensive loss of soil backfill through holes in the sheets, some

as large as 30 inches wide. The structural failure prohibited any vehicular traffic on the slab.

Five years earlier, the bulkhead had shown signs of advanced corrosion that would eventually result in the backfill loss. A preliminary study by another firm recommended buttressing the wall with stone to the height of the sheet pile, but the Coast Guard opted not to pursue this recommendation.

Two years prior to the bulkhead failure, Moffatt & Nichol had taken the results of the initial study and developed another option that involved cutting and removing a portion of the defective wall and integrating a rock revetment that sloped upward to the concrete deck along most the west-facing wall and all of the north-facing wall. The design reduced the amount of rock fill in the water, minimized over-water construction, and lessened the impact on the habitat of endangered salmon species. In addition, the design eased permitting hurdles and provided significant cost-savings to the Coast Guard.

After inspecting the failed bulkhead, Moffatt & Nichol prepared drawings and specifications for immediate emergency repairs to restore vehicular access. The holes in the sheet pile were filled with concrete to stop further backfill erosion until the permanent revetment could be constructed. Moffatt & Nichol developed a final design for the repairs that was slightly altered from the original due to the emergency situation. During construction, the firm assisted the Coast Guard with submittal review and performed on-site inspections of construction work.

5247-06,27



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Port of Tampa Cruise Terminal 6 Dive Inspection and Repairs, Tampa, Florida

Client: Tampa Port Authority



Moffatt & Nichol completed a general above-water and underwater routine inspection of Cruise Terminal 6, which consists of Berths 267 and 268, in order to assess the general condition of the existing structure for use as a cruise terminal facility. The inspection identified severe deterioration of critical load bearing members, which required detailed evaluation of the proposed uses of the wharf in order to identify areas critical to cruise ship operations. Repairs were prioritized based on proposed loading and ship operations. Moffatt & Nichol worked with

the Tampa Port Authority to develop a detailed design repair inspection and program for repairs to meet their schedule, budget, and operational constraints.

For Berth 267, Moffatt & Nichol prepared a repair design that included structural and non-structural pile jackets, bulkhead replacement, concrete fascia repair, and spall and crack repair. Moffatt & Nichol performed an analysis of AASHTO loading criteria, specified material handling equipment, and performed an analysis of cruise ship passenger bridge wheel loading and storm loading. An opinion of probable cost was established for the construction of the new berth and the associated engineering design fees.

For Berth 268, Moffatt & Nichol identified the berth as being in critical condition due to advanced deterioration of framing members, severe deterioration of the steel sheet pile bulkhead, and severe scour resulting in insufficient or no embedment and loss of bearing of multiple piles. As a result, Moffatt & Nichol recommended that Berth 268 be closed to vessel and vehicular loading. Due to the extent of the deterioration, repairs were not economically feasible and Moffatt & Nichol recommended that plans be developed for partial wharf reconstruction at areas essential to cruise ship operations. An opinion of probable cost was established for the construction of the new berth and the associated engineering design fees. Design of repairs included structural and non-structural pile jackets, bulkhead replacement, concrete fascia repair, and spall and crack repair.

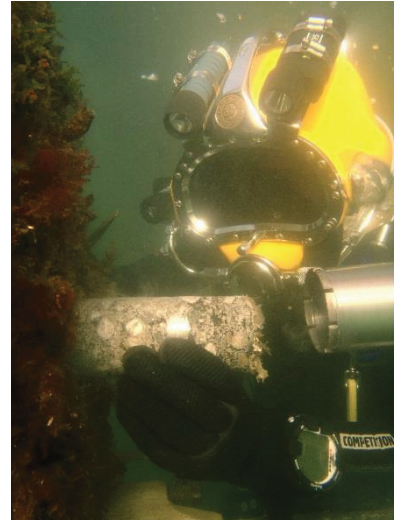
For both berths, Moffatt & Nichol reviewed available archive drawings, performed a load rating analysis, conducted above- and below-water visual examinations, and took ultrasonic thickness measurements of the sheet pile wall. Moffatt & Nichol also developed criteria and supervised execution of subsequent design repair inspection for repair plans and specifications. In addition, Moffatt & Nichol completed pre-construction and post-construction underwater inspections of the deteriorated piles.

As a follow-on task, Moffatt & Nichol provided construction support services for the repairs, including review of submittals, preparation of shop drawings, and responses to RFIs relating to unforeseen site conditions and obstructions. Moffatt & Nichol also provided review of contractor work sequencing, wharf loading, repair techniques, value engineering proposals, and contractor-generated change orders. The project was completed on schedule and within the Tampa Port Authority's capital improvements budget limit.



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Moffatt & Nichol conducted above water and underwater inspections of Berths 238-239 as a second subsequent audit in compliance with California State Lands Commission Marine Oil Terminal Engineering and Maintenance Standards (MOTEMS) requirements. Because it was a second subsequent audit, the scope of work was related solely to the structural inspection of Berths 238-239 and did not include any other required MOTEMS audit items. The initial MOTEMS audit in 2008 and a subsequent audit in 2010 were performed by other firms.

The above water inspection was conducted from an elevation of 3 feet above the mean lower low water (MLLW) level up, encompassing all accessible structural elements. The underwater inspection was conducted from the same water level down to the mudline, encompassing all accessible structural elements. The audit report comprised condition assessments, recommended corrective actions, and identified repair priorities.

The structures inspected under this directive included the Berths 238-239 wharves and approach driveways, two breasting dolphins and four associated catwalks, two mooring dolphins and their two associated catwalks, and the bulkhead/retaining structure. The structural elements examined included the concrete piles, caps and beams, concrete deck, catwalk support piles and bracing, timber fender piles and system components, a cellular steel sheetpile cofferdam, steel piles, and mooring components.

Moffatt & Nichol assisted the port in preparing a basis of design for the design of a new marine oil terminal at Berth 238, including layouts and cross sections. Loading, load combination, codes and standards, and operational requirements were provided by the tenant, ExxonMobil. The basis of design also incorporated port and tenant requirements to design the new terminal in accordance with MOTEMS. To maintain terminal operations and minimize business interruption, construction will involve phasing, requiring Berth 239 to be highly utilized while the Berth 238 wharf is demolished and the new terminal constructed. Some repairs and modifications to Berth 239 may be required to accommodate construction staging and phasing.

This work was performed under an on-call professional services contract, for which Moffatt & Nichol successfully completed about 40 directives for a wide range of projects throughout the Port of Los Angeles.

Berths 150-151 Bulkhead Wall Above Water Inspection, Los Angeles, California

Client: Port of Los Angeles



Moffatt & Nichol performed an above water structural repair inspection of the Berths 150-151 bulkhead wall to develop repair design alternatives to bring the facility into compliance with California State Lands Commission Marine Oil Terminal Engineering and Maintenance Standards (MOTEMS). During a 2008 initial audit of the facility, a section of the bulkhead wall, an unreinforced masonry gravity wall constructed in the 1920s, was found to not meet MOTEMS requirements.

As a result of Moffatt & Nichol's 2015 inspection findings, three retrofit alternatives were developed to bring the bulkhead wall into compliance with operational needs and MOTEMS requirements. In developing the repair cost estimate, priority was given to each repair item based on the importance to the structure, structure capacity, and service life.

This work was performed under an on-call professional services contract, for which Moffatt & Nichol successfully completed about 40 directives for a wide range of projects throughout the Port of Los Angeles.

Riverfront Harbor Redevelopment, Eastern United States

Client: Confidential



Rendering Prepared by Perkins-Eastman

Moffatt & Nichol is providing planning and feasibility analysis for a new harbor facility along a major eastern river for a confidential client. The project involves the creation of a new harbor, bulkhead design work, and docking facilities for commercial vessels such as tall ships, historic vessels, research-educational vessels, water taxis, dinner cruise boats, ferries, and amphibious boats. Design challenges include sensitive habitat, ice and debris flow, river sedimentation, steep riverbanks, and potentially contaminated soils. The project also includes a significant upland stormwater management system designed to be a demonstration project and an educational tool. A successful project will require the careful coordination of multiple public and private stakeholders, state and federal regulatory agencies, and a variety of funding partners.

Moffatt & Nichol has completed the concept development and initial feasibility analysis, developed projected costs, met with the major commercial boating stakeholders, and initiated discussions with state and federal regulators. The firm has also made several presentations to potential funding sources.

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As a subconsultant to Civitas, Moffatt & Nichol is providing marina and waterfront planning, permit support, and final design for renovations of the waterfront at Julian B. Lane Park, a 23 acre facility with approximately 1,800 LF of frontage on the Hillsborough River in Tampa, FL.

The focal point of the renovated waterfront is the creation of a 1-acre practice basin that incorporates new launch docks for row and dragon boats, in addition to kayaks and paddleboards. A signature waterfront center building will provide boat storage and crew facilities on the first floor and community center that overlooks downtown Tampa on the second floor.

During the planning phase, Moffatt & Nichol worked with Civitas to develop the layout of the practice basin, the realignment of the existing bulkhead, the overwater walkways and platforms, and a motorized transient boat docking facility. Moffatt & Nichol also prepared local, state, and federal permit applications for all in-water work and provided permit assistance during the regulatory review process.

During the design phase, Moffatt & Nichol prepared construction documents for the replacement of 725-feet of concrete bulkhead, the repair of 875 feet of existing bulkhead, excavation and dredging templates to create the practice basin, 5,300 square feet of concrete overwater walkways and observations platforms, and floating docks for the practice basin and transient dock facilities.

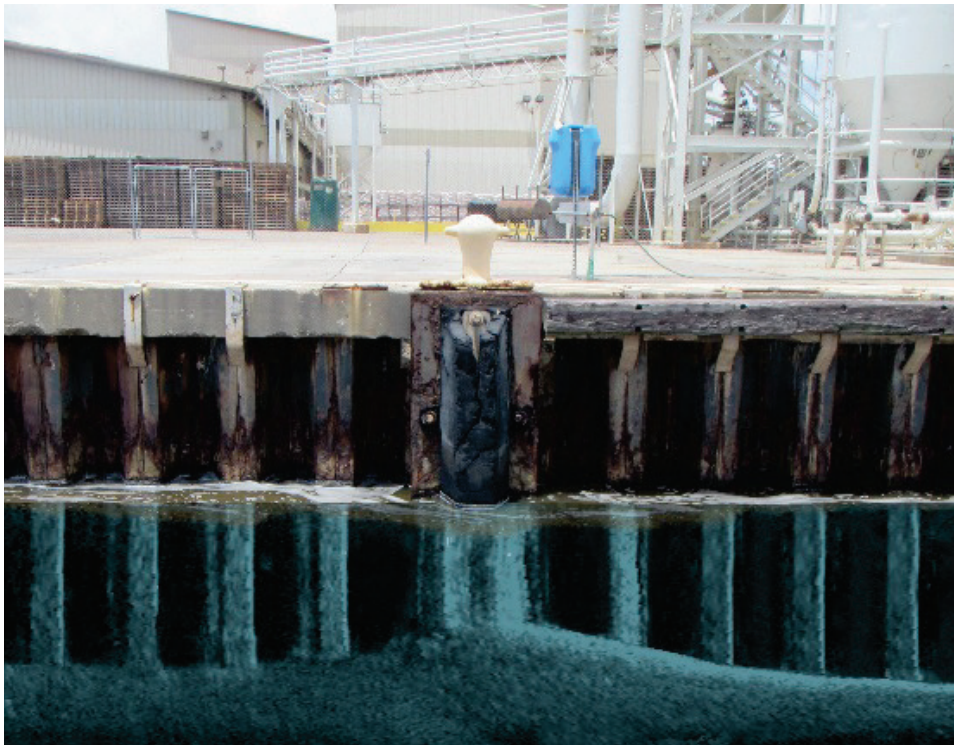
Moffatt & Nichol will provide construction support services throughout the project's construction, which began in September 2016.



Julian B. Lane Park under construction



Julian B. Lane Park renovation rendering



Acoustic image of backfill loss at a corrosion hole in the sheet pile.

Moffatt & Nichol performed an above/underwater design level structural inspection of the Halliburton Bulkhead located in Lake Charles, Louisiana on the Rose Bluff Cutoff of the Calcasieu River. The Halliburton Bulkhead is comprised of PZ-27 steel sheet pile construction with a concrete cap beam and two access gangways. The main bulkhead is anchored to several steel sheet pile deadmen with tie-rods spaced at 9-foot intervals using double c-channel wale attachments. The fendering system is comprised of eight rubber V-fenders, each mounted to a steel frame supported by two steel H-piles. The mooring system consists of numerous bollards and T pipe cleats anchored to the concrete cap.

Moffatt & Nichol was tasked with providing a detailed condition assessment report with figures, photographs, an opinion of probable construction costs, and an overall condition rating as part of the structural inspection report. The above and underwater portions of the bulkhead were inspected from a 27-foot vessel outfitted with surface supplied air diving and surveying equipment. Each dive was conducted in accordance with Association of Diving Contractors International (ADCI) standards using surface supplied air and hard wired communications. The report followed the methodology and rating criteria guidelines as presented in the *ASCE Waterfront Facilities Inspection and Assessment Manual*.



Colonna's Shipyard bulkhead failure

Moffatt & Nichol provided inspection and emergency repair designs for a failed bulkhead at Colonna's Shipyard in Norfolk, VA. After several days of heavy rain, sink holes were observed forming behind the west yard bulkhead at the Shipyard, and the bulkhead was observed moving towards the water west of Pier 9. Shortly thereafter, contractors were notified to start excavating fill to attempt to unload the bulkhead, and pumps were installed to reduce the hydrostatic load on the wall.

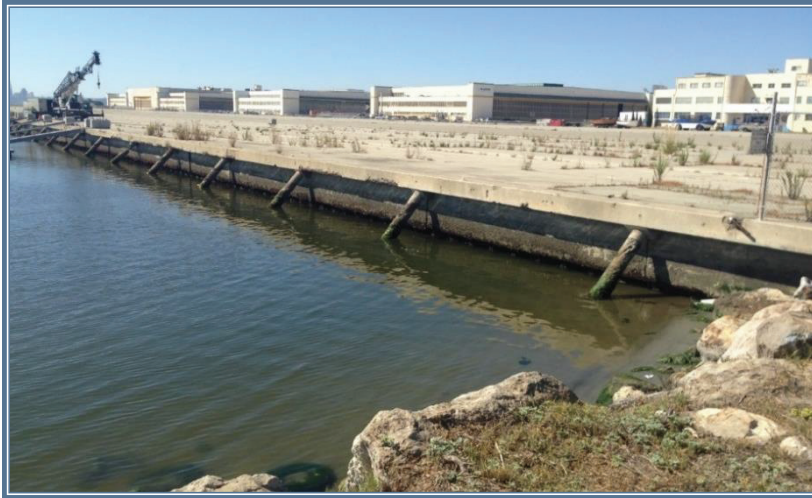
Moffatt & Nichol was called to conduct a site visit shortly thereafter, at which they observed approximately 11 tie rods exposed from the king pile to at least 10 ft behind the wale. In the excavated area, the double MC12 wale had separated from the king piles and was approximately 2 ft below its original position. The wale appeared to have been pried from the king pile, most likely due to settlement of the tie rod, with the initial point of failure due to prying between the wale and the flange of the W33 king pile. It appeared after the initial failure the wale "unzipped" from the king piles with bolts failing in shear, or combined bending.

Moffatt & Nichol provided recommendations to mitigate or minimize further movement of the bulkhead without damaging the system for future more permanent repairs. They determined that because the concrete cap currently held the bulkhead together by spanning from points of support on either side of the failure, if the "unzipping" continued, a global failure could occur, affecting the operational capacity of the facility.

The recommended repairs are for short-term use only and not intended to support the full design live load. Moffatt & Nichol's recommended repairs included temporary reattachment of the double MC12 Wale to King Piles. At this point, Colonna's has excavated a portion of the wall and has implemented temporary measures to support the wall to prevent further failure.

Alameda Point Site “A” Bulkhead Evaluation and Stabilization, Alameda, CA

Client: Alameda Point Partners



Battered “Raymond Piles” in Seaplane Lagoon

The Alameda Point Site A project will kick start the renewal of the former Naval Air Station Alameda facility, which closed in April 1997. To launch the revitalization effort, Alameda Point Partners contracted with Moffatt & Nichol to develop a strategy to rehabilitate the 1940-vintage bulkhead that provides structural integrity between the airfield and adjacent Seaplane Lagoon. The lagoon is tidal, with average water depths of about 15 feet, and the backland elevation is about 10 feet above low tide. The bulkhead wall is braced by a number of widely spaced battered “Raymond Piles” that extend into the Lagoon.

Specific tasks include site inspections, data review, and other site evaluations to develop at least three options to stabilize the existing bulkhead system, such as new tie-backs, installation of a cantilever sheet pile wall behind the existing bulkhead, or soil improvements. Following selection the bulkhead wall alternative, Moffatt & Nichol will develop the repair to approximately 30% for the selected alternative, refine cost estimates, and provide support for permitting as needed.

Moffatt & Nichol also will develop to 30% design civil plans and estimates, including site drainage and backland modifications. This will address flooding that the site will be subject to due to extreme tide events, wave run up and predicted sea level rise, consistent with policies established by the San Francisco Bay Conservation and Development Commission (BCDC) and other agencies.

The Seaplane Lagoon was created in the 1930s for Pan American Airline’s China Clipper airplanes. Soon after, around 1940, the U.S. Navy acquired the facility to use for seaplane squadrons. The overall 68-acre develop proposal comprises 800 housing units, retail and commercial space, parks and open space.



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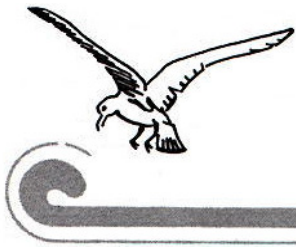
The Lower North Bay Road Right-of-Way Improvements includes the North Bay Road corridor encompassing Chase Avenue, bounded by Sunset Drive to the south, Biscayne Bay to the west, and Alton Road to the east and north. The design-build project was led by Central Florida, and included the engineering design, environmental permitting, and construction management of earthworks, water service installation, sanitary sewer lining, stormwater infrastructure installation, as well as other Right-of-Way improvements.

Moffatt & Nichol was retained to design the replacement of the bulkheads at 23rd and 29th Streets. The 23rd Street site incorporated hydraulic structures to accommodate the 3 stormwater discharge lines consisting of two 42-inch and one 36-inch outfall diameter pipes from the proposed pump station. In addition, the outlet works incorporated tide-flex valves to prevent tidal waters from entering the stormwater management system. The bulkhead elevation was raised to meet the recommendations of the Flood Mitigation Committee, formed by City Commission to address flooding and sea level rise issues in the City. The 29th Street Bulkhead consisted of bulkhead replacement adjacent to the bridge abutment within the City Right-of-Way. Moffatt & Nichol prepared construction plans for the design-build construction of the marine works components of the project.

5. List the Construction Contracts your organization has completed in the past five (5) years with relevance to this proposed Design/Build project.

Name of Project	Prime Contractor Name and Address	Date of Contract	Contract \$ Amount Complete	Design Architect/Engineer Name and Address	Owner Name and Address	Scope of Work
SEE ATTACHED						

(Use extension sheet if necessary)



EBSARY

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5.1. NAVY MOLE PIER BULKHEAD 497 REPAIRS

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 7/24/2013

CONTRACT \$ COMPLETE: \$ 3,468,593.00

DESIGN ENGINEER: Appledore Marine Engineering, LLC
600 State Street, Suite E
Portsmouth, New Hampshire 03801

OWNER: US NAVY / CITY OF KEY WEST
201 William Street
Key West, Florida 33040

SCOPE: Demo and Install replacement 400 LF of new steel sheet pile Seawall with CIP Concrete Cap and Promenade slab, waler and grouted soil anchor tiebacks, mill and repave the pier and utility restoration.

CONTRACT VALUE \$ 3,468,593.00

CONTRACT POC: Doug Bradshaw
City of Key West
(305) 809-3792
dbradsha@keywestcity.com

5.2. MANATEE BEND SHORELINE IMPROVEMENTS

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 4/12/2016

CONTRACT \$ COMPLETE: \$ 652,476.00

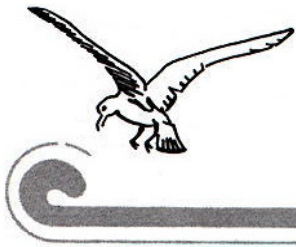
DESIGN ENGINEER: Coastal Systems International
464 South Dixie Highway
Coral Gables, Florida 33146

OWNER: City of Miami - Capital Improvements Program Miami Riverside Center
444 SW 2 Avenue - 8th Floor
Miami, Florida 33130

SCOPE: Demolition of Existing Seawall Cap, installation of new steel sheet pile bulkhead and cap, reconstruction of coral stone seawall, installation of kayak launch and site work, stormwater improvements and landscaping.

CONTRACT VALUE \$ 652,476.00

CONTRACT POC: Nelson Cuadras
City of Miami
(305) 416-1254



EBSARY

foundation company

ncuadras@miamigov.com

5.3. FPL DISCHARGE CANAL SHEET PILE WALL

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 7/12/2016

CONTRACT \$ COMPLETE: \$ 1,492,800.00

DESIGN ENGINEER: DCR Engineering Services, Inc.
3110 Cherry Palm Drive, Suite 290
Tampa, FL 33619

OWNER: Florida Power and Light
700 Universe Blvd.
Juno Beach, FL 33408

SCOPE: Furnish and Install a new discharge canal steel sheet pile bulkhead and cap. Work performed in the Discharge Canal from sectional barge.

CONTRACT VALUE \$ 1,492,800.00

CONTRACT POC: Bill Figler
Florida Power & Light
(561) 694-4749
William.figler@fpl.com

5.4. FLAGSTONE ISLAND GARDENS MEGAYACHT FACILITY

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 7/18/2014

CONTRACT \$ COMPLETE: \$ 7,307,304.00

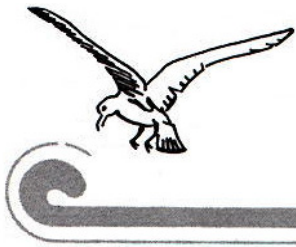
DESIGN ENGINEER: Coastal Systems International
464 South Dixie Highway
Coral Gables, Florida 33146

OWNER: Flagstone Property Group, LLC
888 MacArthur Causeway
Miami, FL 33132

SCOPE: Furnish and install 921 foot long anchored steel sheet pile bulkhead and Augercast and Chain Med Moor anchorage system. Install Mega Yacht facility Floating Dock. Furnish time and material support for installation, maintenance, and removal of all necessary turbidity management devices

CONTRACT VALUE \$ 7,307,304.00

CONTRACT POC: Jon Wainwright



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Flagstone Property Group
(305) 374-0040
JWainwright@flagstonegroup.com

5.5. AREA 2 (BAYS 177-183) CONSTRUCTION OF SEAWALL

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 11/20/2013
CONTRACT \$ COMPLETE: \$ 6,937,345.00
DESIGN ENGINEER: CH2M HILL
3001 PGA Blvd, Suite 300
Palm Beach Gardens, Florida 33410

OWNER: Miami-Dade County Seaport Department
1001 North American Way
Miami FL 33132

SCOPE: Construction of new 640ft Long anchored bulkhead, to include steel sheet pile wall bulkhead, anchor wall and tiebacks, water service, utilities, Paving, Storm water, bollards, fenders, cast in place concrete, demolition and dredging.

CONTRACT VALUE \$ 6,937,345.00
CONTRACT POC: Kari Garland
Port Miami
(305) 347-3235
Kari@miamidade.gov

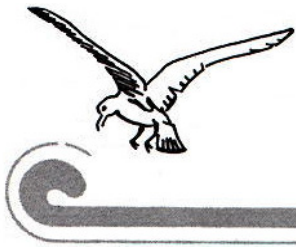
5.6. WHARVES STRENGTHENING PROGRAM, CARGO WHARVES I TO VII

GENERAL CONTRACTOR: Odebrecht Construction Company
201 Alhambra Circle, Suite 1400
Coral Gables, FL 33134

DATE OF CONTRACT: 10/28/2011
CONTRACT \$ COMPLETE: \$ 23,175,928.00
DESIGN ENGINEER: HDR Engineering, Inc.
200 W. Forsyth Street, Suite 800
Jacksonville, FL 32202

OWNER: Miami-Dade County Seaport Department
1001 North American Way
Miami FL 33132

SCOPE: Furnish and install approximately 5,280 wall feet of replacement bulkhead sheet piling consisting of 36" and 30" steel pipe pile combination wall and



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Steel Sheet Pile bulkhead, additional work included driven 30" pipe piling and cast-in-place concrete breasting structures and 24" Augercast Pile Crane rail foundations.

CONTRACT VALUE
CONTRACT POC:

\$ 23,175,928.00
Juan Bergouignan
Port Miami
(305) 347-4974
Juberg@miamidade.gov

5.7. FISHER ISLAND SEAWALL RESTORATION

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 4/3/2013

CONTRACT \$ COMPLETE: \$ 5,518,064.00

DESIGN ENGINEER: Olin Hydrographic Solutions, Inc.
2900 Calusa St.
Coconut Grove, FL 33133

OWNER: Fisher Island Community Association
One Fisher Island Drive
Fisher Island, Florida 33109

SCOPE: Demolition and installation of approximately 3,577 LF new seawall and repair of existing seawall. Installation of steel sheet piling, driven concrete piles, grouted soil anchors with double channel waler, cast-in-place concrete cap and concrete toe wall

CONTRACT VALUE
CONTRACT POC:

\$ 5,518,064.00
Gary Snider
Fisher Island Community Association
(305) 938-2944
gsnider@fisherislandfica.com

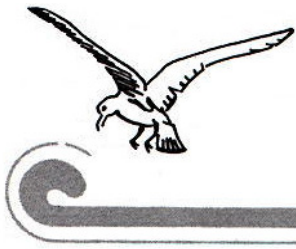
5.8. ECHO AVENTURA

GENERAL CONTRACTOR: John Moriarty & Associates of Florida, Inc.
1942 Tyler Street
Hollywood, Florida 33020

DATE OF CONTRACT: 10/7/2013

CONTRACT \$ COMPLETE: \$ 3,889,782.00

DESIGN ENGINEER: Olin Hydrographic Solutions, Inc.
2900 Calusa St.
Coconut Grove, FL 33133



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OWNER: PMG Aventura, LLC
19495 Biscayne Blvd. #410
Aventura, Florida 33180

SCOPE: Demolition of existing bulkhead obstructions, furnish and install 1100 wall foot steel sheet pile bulkhead, boulder rip rap, cast in place concrete cap, 215 ea. 36" augercast pile, 315 ea. 18" augercast pile and design, install and remove 9 ea. temporary steel sheet pile cofferdams install 130 wall foot steel sheet pile seawall with cast in place concrete cap.

CONTRACT VALUE \$ 3,889,782.00

CONTRACT POC: Rick Schuerger
John Moriarty & Associates of Florida, Inc.
(954) 920-8550
rscjierger@jmaf.net

5.9. NAVY MOLE PIER BULKHEAD 497 REPAIRS

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 7/24/2013

CONTRACT \$ COMPLETE: \$ 3,468,593.00

DESIGN ENGINEER: Appledore Marine Engineering, LLC
600 State Street, Suite E
Portsmouth, New Hampshire 03801

OWNER: US NAVY / CITY OF KEY WEST
201 William Street
Key West, Florida 33040

SCOPE: Demo and Install replacement 400 LF of new steel sheet pile Seawall with CIP Concrete Cap and Promenade slab, waler and grouted soil anchor tiebacks, mill and repave the pier and utility restoration.

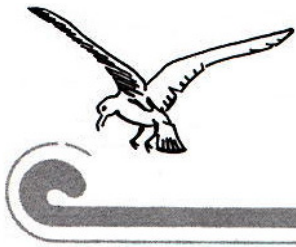
CONTRACT VALUE \$ 3,468,593.00

CONTRACT POC: Doug Bradshaw
City of Key West
(305) 809-3792
dbradsha@keywestcity.com

5.10. TERMINAL ISLAND SEAWALL RESTORATION

GENERAL CONTRACTOR: Ebsary Foundation Company
2154 NW North River Drive
Miami, Florida 33125

DATE OF CONTRACT: 2/16/2016



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CONTRACT \$ COMPLETE: \$ 2,811,809.00
DESIGN ENGINEER: Olin Hydrographic Solutions, Inc.
2900 Calusa St.
Coconut Grove, FL 33133

OWNER: Fisher Island Community Association
One Fisher Island Drive
Fisher Island, Florida 33109

SCOPE: Demolition and installation of approximately 440 LF new Anchored
seawall and perform soil remediation. Installation of steel sheet piling,
deadman wall, tiebacks with double channel waler, cast-in-place concrete
cap, soil remediation new asphalt paving and stormwater system repairs

CONTRACT VALUE \$ 2,811,809.00
CONTRACT POC: Gary Snider
Fisher Island Community Association
(305) 938-2944
gsnider@fisherislandfica.com

6. Statement on firm familiarity with local conditions:

SEE ATTACHED

7. List other projects firm has constructed or has under construction in the Florida Keys/Monroe County:

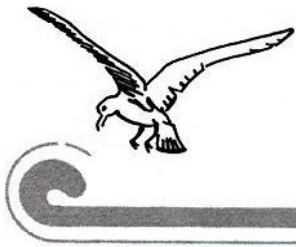
SEE ATTACHED

8. Statement on experience in providing design/build services in Florida:

SEE ATTACHED

9. Statement on corporate safety program, safety record, and OSHA violations, including handling of violators, for both Proposer and Subcontractors.

SEE ATTACHED



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6. STATEMENT ON EBSARY'S FAMILIARITY WITH LOCAL CONDITIONS

Ebsary Foundation Company is extremely familiar with local conditions, as we recently completed the US NAVY/City of Key West Bulkhead 497 Replacement Project, which is less than ¼ mile from this project site and it included driven steel sheet piling similar in size as can be expected for this project. Additionally, Ebsary built the US Navy/City of Key West Design Build pedestrian bridge at the entrance to Ft. Zachary Taylor State Park, which is also less than a ¼ mile from this project site. Finally, Ebsary recently completed the Tarpon Pier Replacement Project, at Garrison Bight, for the City of Key West, which included driven steel piling, which also provides us with necessary information on the geotechnical conditions of work in Key West.

7. OTHER PROJECTS EBSARY HAS CONSTRUCTED (OR HAS UNDER CONTRACT) IN THE FLORIDA KEYS

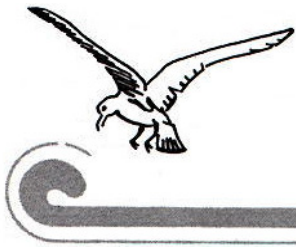
- 7.1. US Navy / City of Key West Mole Pier, Bulkhead 497 Repairs, Key West, Florida (ITB 12-007)
- 7.2. US Navy / City of Key West Design Build Pedestrian Bridge, Key West, Florida (RFP #04-008)
- 7.3. City of Key West Replacement of Tarpon Pier, Key West, Florida (ITB 12-030)
- 7.4. FDEP Indian Key Dock Replacement, Islamorada, Florida (FDEP PROJECT #60674)
- 7.5. Marina Inn Docking Facility Project, Ocean Reef, Florida

8. OTHER PROJECTS EBSARY HAS CONSTRUCTED (OR HAS UNDER CONTRACT) IN THE FLORIDA KEYS

- 8.1. US Navy / City of Key West Mole Pier, Bulkhead 497 Repairs, Key West, Florida (ITB 12-007)
- 8.2. US Navy / City of Key West Design Build Pedestrian Bridge, Key West, Florida (RFP #04-008)
- 8.3. City of Key West Replacement of Tarpon Pier, Key West, Florida (ITB 12-030)
- 8.4. FDEP Indian Key Dock Replacement, Islamorada, Florida (FDEP PROJECT #60674)
- 8.5. Marina Inn Docking Facility Project, Ocean Reef, Florida

9. STATEMENT ON EBSARY'S EXPERIENCE PROVIDING DESIGN/BUILD SERVICES IN FLORIDA

Ebsary Foundation Company is extremely familiar providing design build services in Florida; We have been the General Contractor on numerous design build projects throughout South Florida and the Keys and have been a major subcontractor on countless design-build projects throughout Florida. Recently, our most relevant design-build projects that Ebsary was the Prime Contractor for was the Design Build Seawall Stabilization at Museum Park for City of Miami Capital Improvement Program, Biscayne Bay Yacht Club Design Build Seawall, SW North River Drive Design Build Seawall, Schloss Residence Design Build Seawall, and the City of Key West / US Navy Design Build Pedestrian Bridge adjacent to this jobsite. Some additional Design Build Projects that Ebsary was a Key Subcontractor for were the I-595 Roadway Improvements Project for FDOT, Venetian Causeway Bridge Rehabilitation for Miami Dade County,



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SR836 Roadway Improvements Project for Miami Dade Expressway Authority and the Design Build Services for Hurricane Sandy Waterfront Repairs for the US Navy in Guantanamo Bay, Cuba.

Additionally, Ebsary has designed and installed hundreds of design build cofferdams, deep foundations and parking garage structures throughout all of Florida for the past 40 years. Although, the cofferdams and deep foundations typically were not always performed on projects that were listed as design build projects by the Owner, the cofferdam work we performed, as a specialty subcontractor, were design build as an individual element for the project. Some of the recent major design build foundations Ebsary built were the Brickell City Centre Underground Parking Structure, Master Pump Station No. 3 Cofferdam, Tamiami Swing Bridge Bascule Cofferdam, Museum Garage Parking Structure Foundation, Lift Station 87 Microtunneling Cofferdams, Sunset Island Pump Station Cofferdams, Mary Brickell Pump Station Cofferdam, etc.

10. STATEMENT ON EBSARY'S CORPORATE SAFETY PROGRAM

Ebsary's safety record speaks for itself and maintains a nearly flawless safety record. We employ a full time safety manager, who updates and enforces our corporate safety policy and ensures all of our management staff maintain safety as our single most important component on all of our jobsites. We are a 100% drug free work place and currently maintain an Experience Modifier Rate (EMR) of 0.69, which is significantly lower than the national average of 1.0. All of Ebsary's major subcontractors must strictly adhere to Ebsary's Corporate Safety Policy and must maintain an EMR below 1.0. In the event that subcontractor EMR exceeds 1.0, then they will not be hired to work on additional projects with us. All employees are subject to a one strike and you're out policy as it relates to OSHA violations and violations to the drug free workplace; which means violators are immediately removed from the job and subject to termination. Major safety violators are also subject to the one strike and you're out policy, pending corporate investigation of any incident. Regardless, all safety repeat violators of any of Ebsary's safety policies are always removed from the project where they occur.

Additionally, All Ebsary field employees receive the highest standards of training and certification prior to being sent of the job. All Journeymen have, at a minimum, 10-hour OSHA training, all field supervisors and foremen have 30-hour OSHA, and all field staff have rigger and signalman certification, CPR and First Aid Training and Flagger Training; all welders are certified with AWS D1.1 or AWS D1.5; and all crane operators are certified through the National Certified Crane Operator (NCCO) training and have had a minimum of two years' experience in crane operation. Ebsary also participates in a State Sponsored Apprenticeship Program and has annual refresher training for all field staff.

Finally, it is standard policy for all crews and subcontractors to participate in Daily Job Hazard Analysis, weekly toolbox safety talks and periodic safety audits by Ebsary's Safety Manager and our Worker Compensation Provider. And prior to mobilizing to any project, Ebsary Management Staff must perform a comprehensive Accident Hazard Analysis, which is also provided to the owner and Contractor, to assess preconstruction risks and hazards and to plan for how to mitigate possible risks prior to starting.



WORKERS COMPENSATION EXPERIENCE RATING

Risk Name: EBSARY FOUNDATION CO

Risk ID: 090204904

Rating Effective Date: 04/22/2016

Production Date: 03/10/2016

State: FLORIDA

State	Wt	Exp Excess Losses	Expected Losses	Exp Prim Losses	Act Exc Losses	Ballast	Act Inc Losses	Act Prim Losses
FL	.24	198,987	297,451	98,464	0	55,900	40,197	40,197
FL-B	.24	8,846	13,573	4,727	0	55,900	1,589	1,589
FL-D	.24	1,321	1,970	649	0	55,900	0	0
FL-L	.24	2,414	3,603	1,189	0	55,900	0	0
FL-M	.24	7,123	10,380	3,257	0	55,900	5,058	5,058
FL-N	.24	1,999	2,983	984	0	55,900	0	0
FL-O	.24	1,170	1,745	575	0	55,900	0	0
FL-P	.24	297	444	147	0	55,900	0	0

(A) Wt	(B)	(C) Exp Excess Losses (D - E)	(D) Expected Losses	(E) Exp Prim Losses	(F) Act Exc Losses (H - I)	(G) Ballast	(H) Act Inc Losses	(I) Act Prim Losses
.24		222,157	332,149	109,992	0	55,900	42,118	42,118

	Primary Losses	Stabilizing Value	Ratable Excess	Totals	
Actual	(I) 42,118	$C * (1 - A) + G$ 224,739	(A) * (F) 0	(J) 266,857	
Expected	(E) 109,992	$C * (1 - A) + G$ 224,739	(A) * (C) 53,318	(K) 388,049	
	ARAP	FLARAP	SARAP	MAARAP	Exp Mod
Factors		1.00			(J) / (K) .69

REVISED RATING

RATING REFLECTS A DECREASE OF 70% MEDICAL ONLY PRIMARY AND EXCESS LOSS DOLLARS WHERE ERA IS APPLIED.

REVISED RATING TO INCLUDE UPDATED DATA FOR: FL, POL. #: C47367451, EFF.: 07/13/2013

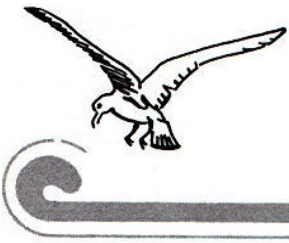
REVISED RATING TO INCLUDE UPDATED DATA FOR: FL, POL. #: C47522948, EFF.: 07/13/2014

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Part III - Technical Statement - Project Approach

The following statements shall be addressed by the Proposer on separate paper as required in the order presented herewith.

- A. Statement of Project scope and requirements and design approach.
- B. Management structure for project staffing including design/builder administrative and supervisory staff and proposed subcontractors.
- C. Statement on Management Process, which will be used during design phase and construction phase.
- D. Statement of resources, capacity to perform and Mobilization Plan.
- E. Statement regarding approach to Schematic Site Plan, grading and level changes.
- F. Statement on Construction Phasing approach.
- G. Statement on quality and sufficiency of proposed staffing and organizational structure, including project organization charge and identification of key project team members.
- H. Statement of proposed design process with review schedule and scope of each deliverable.
- I. Statement of proposed Design/Build Milestones with time schedule.
- J. Statement of construction systems and materials proposed for the exterior of the proposed buildings.
- K. Statement on design and construction Quality Control Program of Proposer.
- L. Design areas where Design/Builder would suggest alternate methods, materials, or systems.



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MARINE AND ENGINEERING CONSTRUCTION
2154 N.W. North River Drive, Miami, Florida 33125-2297
Ofc. (305) 325-0530 • CC# E-502 • Fax (305) 325-8684

PART III TECHNICAL STATEMENT – PROJECT APPROACH

A. STATEMENT OF PROJECT SCOPE AND REQUIREMENTS AND DESIGN APPROACH

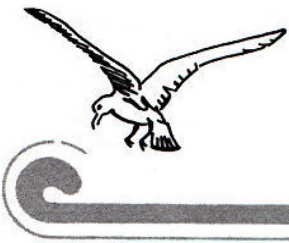
This Project consists of Design and Build a new 370 feet long sheet piling seawall with concrete cap and tie-back anchors waterward of the existing seawall at the NOAA Key West facility. The Project includes ancillary work of relocating utilities from waterside of existing wall to underground landward of the existing wall, removing and replacing existing wooden mooring piles, and removing and replacing portions of the five dock platforms with access security gates and lighting.

This Project is on both 70' of City of Key West property and 260' of National Marine Sanctuary property. City property begins at boat ramp wall exposed existing sheet piling toe is driving need for project. Project will consist of installing new sheet piling with concrete cap and tie back anchors on waterside of existing wall. New sheet piling system installation requires removing and replacing sections of docks, dock security gates, and dock light poles. Utilities will be removed from the existing seawall and new utilities install underground landward of the existing seawall. Existing railroad track system near boat ramp wall is noted as an excavation obstruction and removing a portion of this track system will be a requirement of new tie-back installation.

Project Design requirements are driven by unknown existing tie-back configuration; design of tie-back anchors, deadman, concrete cap configuration and concrete mix design are the key component to be designed in this project. The Tetra Tech, Inc. proposal drawings shall provide the guidelines for sheet piling section, bulkhead cap type, demolition, utilities, and ancillary work. The pile cap shall include concrete cap transverse reinforcing (stirrups) spacing at 9" o.c. and Grade 50 Type ASTM A690 (Marine Steel) minimum length of 35' cold rolled steel sheet piling. Additionally, the demolition will include removal of the Chain-link fence gate and replaced under Truman Waterfront Park construction scope and individual wood mooring pile lengths installed may be adjusted from an assumed 45' length.

Field Investigation. The team will retain a geotechnical engineer to conduct an additional boring to verify site conditions in the preliminary report provided in the documents. Geotechnical parameters for sheet pile design and for tie back design will be developed from the sampling/testing and experience in the area. In addition, the surveyor will perform an updated topographic survey suitable for engineering design. This survey will densify data provided in the documents and provide an updated existing conditions base file for design. Key design engineers will perform an engineering assessment of the existing wall, utilities, docks, and site conditions to obtain field measurements required for design.

Incorporated 1930

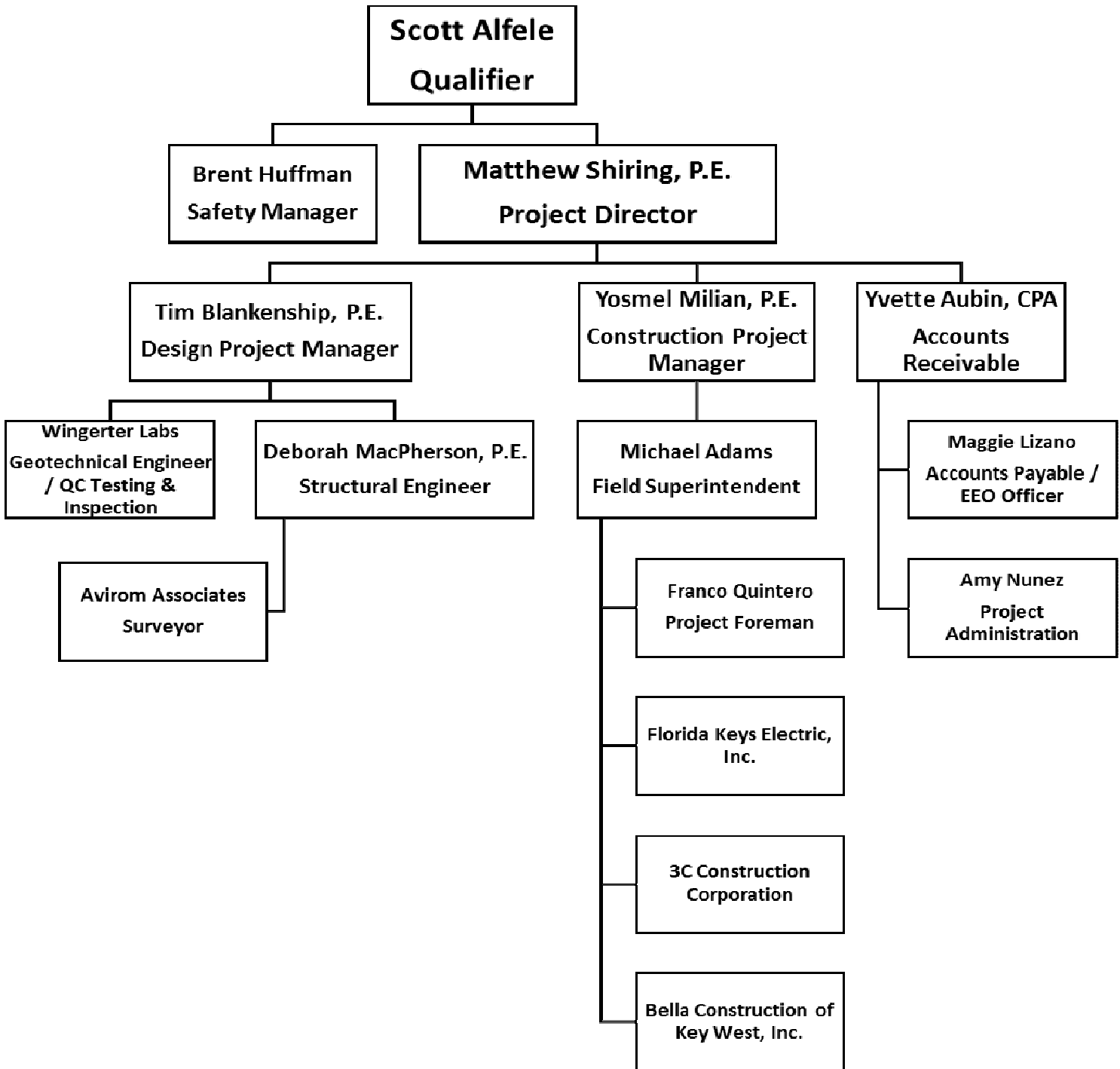


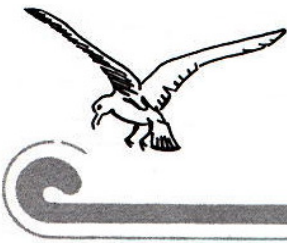
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Part III – Technical Statement – Project Approach

B. MANAGEMENT STRUCTURE





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Part III – Technical Statement – Project Approach

C. MANAGEMENT PROCESS

The management process for this project will consist of overall project control provided by the Project Director who will coordinate with all second tier project managers to keep the project on schedule. The following three steps shall be following in the management process.

Statement of design process with review schedule and deliverables

Deliverables are outlined Section 3.5 in the documents and are further summarized as below:

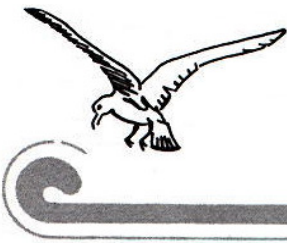
- Geotechnical Report
- Updated Topographic Survey
- Corps Nationwide 3 Permit Documents
- Construction Plans – at identified milestones with required hard and soft copies
- Technical Specifications
- Sunshine One Call – design ticket for underground utilities

The design-build process will facilitate the review process as constructability and means/methods are being incorporated as the design progresses along with the Corps permitting process. The deliverables will be provided to the City in accordance with the schedule, and 1-2 weeks allocated for City review of submitted documents. Comments will be tracked in spreadsheet format to ensure all review comments are accounted for in subsequent deliverables.

NTP #1 – Administration. The Project Director shall ensure the company qualifier executes all contractual paperwork in timely manner and the Accounts Receivable will ensure all required insurances, bonds, and administrative paperwork is procured and provided within a timely manner in order to efficiently proceed with NTP #2.

NTP #2 – Design shall be issued as soon as all contractual information is provided and approved by the owner. The Project Director shall then change to coordinating with the Design Project Manager to ensure that additional geotechnical investigation, site survey and utility mapping and test pitting is provided as quickly as possible. Concurrently the additional permitting shall be applied for as soon as possible. The project Director shall ensure periodic meetings and design iterations are provided in a timely manner and ensure the design project manager incorporates all necessary changes from the owner. The Project Director shall also coordinate with the Accounts receivable and accounts payable to ensure monthly invoices are provided for the design portion of the project and that sub contract engineering firms provide all necessary releases.

The Design Project Manager has reviewed the environmental permits included in the documents, and the team will work to initiate the U.S. Army Corps of Engineers (Corps) Nationwide 3 permit as soon as



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Part III – Technical Statement – Project Approach

possible. Schematic plans will be developed, and a 3-6 month permitting time frame is anticipated. The Nationwide 3 permit included in the documents expires in March, 2017, and the process needs to be re-initiated as these types of permits cannot be extended. The Florida DEP exemption is valid, and the team will maintain the design configuration as generally depicted in the documents. An environmental resource permit (ERP) is not required for this project based on the FDEP exemption and Nationwide 3 permits provided in the documents. Field investigations and engineering design are performed concurrent with the Corps Nationwide 3 permitting process. As the design progresses, the Project Director will also submit the plans to the City of Key West to process the building permit.

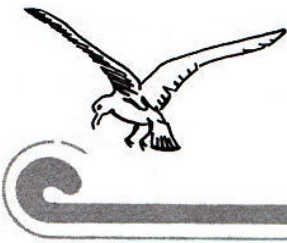
Through the design-build process, the design will be closely coordinated by the Project Director to ensure a cost-effective and efficient design to meet the design objective established by the City and to be consistent with the environmental permits issued for the project.

NTP #3 – Construction NTP shall be issued immediately after the final design is approved by the owner and all final permits are in place. The Project Director shall then transition to the construction project manager to ensure all project design details and owner requirements are conveyed for construction. The Project Director shall continue to coordinate with the Design Project Manager for all field adjustments and construction submittals. The Construction Project Manager shall produce all submittals, procure materials, coordinate with project superintendent and Subcontractors, coordinate for inspections and Quality Control and shall hold all necessary construction progress meetings and daily updates. The project Director shall ensure all lines of communication remain open and will intervene when conflict or dispute between any parties arise. The Project director shall also be responsible for continuing to ensure accounts receivable and accounts payable invoices are provided for the design portion of the project and that sub-contracting firms provide all necessary releases.

D. STATEMENT OF RESOURCES

Ebsary Foundation Company is General Contractor who self-performs the most difficult and challenging portions of work our contracts. We have the most qualified operators and journeymen through our unions and we own and operate all our specialty foundation, marine and foundation equipment. We own the vast majority of the equipment we use on all of our major projects. Our extensive equipment list includes 10 cranes ranging from 50ton to 150 ton, 4 driven pile hammers, 6 vibratory hammers, 8 auger drills, 1 48ft x 120ft deck barge, 1 ea. 50ft x 80 sectional barge, two tugboats, two crew boats, 5 welding machines, 3 air compressors, 7 grout pumps, 1 concrete mixer, 3 excavators, 6 backhoes, 2 tracked drill rigs, 1 drilled shaft rig, 5 welding machines, more than 20 company vehicles and much more. Attached to this proposal is comprehensive list of company owned equipment.

Ebsary has previously mobilized two separate times to the Truman Annex, with very similar equipment that will be used to construct this bulkhead. For the Mole Pier Bulkhead and the Design Build Pedestrian Bridge, Ebsary brought very similar crane, pile equipment, materials, forms and earthwork equipment to



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Part III – Technical Statement – Project Approach

this same location to build very similar construction. The Equipment that Ebsary will bring will be mobilized to the jobsite on land, by tractor trailer and lowboy, and shall be assembled on site. This is the same manner in which the heavy equipment was mobilized to the Truman annex on our previous projects.

E. STATEMENT REGARDING SCHEMATIC SITE PLAN

Ebsary Intends to fence off this project at the project limits with temporary construction fencing to protect the public from any risks due to excavations and demolition and material stockpile. Having performed two separate projects at this location, Ebsary does not see significant issue with the grading and level changes.

F. STATEMENT ON CONSTRUCTION PHASING APPROACH

- NTP 2 – CONSTRUCTION NOTICE TO PROCEED
- Dock and Piling demolition
- Installation of new bulkhead sheet piling
- Demolition for Anchor Wall
- Excavation and installation of deadmen and tiebacks
- Installation of Storm water and Electrical systems
- Backfill Site
- Cast-in-Place Concrete Pile Cap

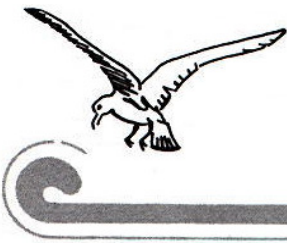
SEE ATTACHED CPM FOR FURTHER SCHEDULE DETAILS

G. STATEMENT ON QUALITY AND SUFFICIENCY OF PROPOSED STAFFING

The proposed organizational chart above outlines the Design Build Contractors Staffing and Organizational Chart. The organizational structure provides streamlined control to the Project Director who maintains the direct communication with the owner and disperses the information to each of the key project management staff. This structure allows rapid linear dissemination of information and allows the project managers and administration to focus on their individual responsibilities without distractions from the other requirements in this contract that do not pertain to their individual scope of work. This proposed organizational chart follows a similar hierarchy of a Military Command Structure which has always proved to be the most effective means of management. The Project Hierarchy is as follows

Design Build Project Team

- Scott Alfele, President – Project Qualifier
- Matthew Shiring, P.E., Vice President – Project Director
- Brent Huffman – Safety Manager
- Yvette Aubin, CPA, Vice President – Project Administration Manager



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Part III – Technical Statement – Project Approach

Ebsary Foundation Company (Construction)

- Yosmel Milian, P.E. – Project Manager, CQC Manager
- Michael Adams – Superintendent, Assistant CQC Manager
- Franco Quintero – Foreman

Moffat & Nichol (Design)

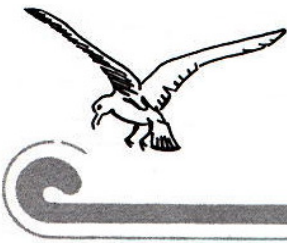
- Jeffrey Malyszek, P.E., Vice President – Design Firm Qualifier
- Tim Blankenship, P.E. – Design Project Manager
- Deborah MacPherson – Structural Engineer

H. STATEMENT OF PROPOSED DESIGN PROCESS AND DELIVERABLE REVIEW

The Designer will review all investigations and parameters and perform the sheet pile analysis to optimize the bulkhead design. The team is thoroughly familiar with geotechnical conditions in the Keys and in South Florida. Design criteria, including water levels, geotechnical parameters, surcharges, and other required parameters will be compiled. The sheet pile design will be completed for the cold-rolled sheet pile to determine the required section modulus and embedment. Iterations will be conducted of different sheet pile sections and load conditions to confirm the controlling design. The tie back system will also be designed, and options for a waler will be reviewed with the team and compared to cost/efficiency with embedment of the tie backs into the proposed concrete cap. The cap will be designed accordingly with appropriate control and construction joints. The trench excavation for the tie back system will be sized, and the deadmen designed for optimum precast or cast-in-place concrete. The electrical and water design will be completed in conjunction with the marine structural design for utility reinstallation. Mooring hardware will also be detailed for reinstallation with appropriate stainless steel hardware, and the timber mooring piles to be reinstalled will be identified and located along the new bulkhead.

The design-build process will facilitate the review process as constructability and means/methods are being incorporated as the design progresses along with the Corps permitting process. The deliverables will be provided to the City in accordance with the schedule, and 1-2 weeks allocated for City review of submitted documents. Comments will be tracked in spreadsheet format to ensure all review comments are accounted for in subsequent deliverables.

Construction plans will be prepared and sent to the City at the milestones identified in the documents. A value-engineering review is specified after the 60% design milestone, value engineering opportunities will be incorporated into the design through the design-build process. Opportunities for construction cost savings will be identified during the early stages of the design development. Concurrent with the compilation of the construction plans, the technical specifications for the appropriate trades will be developed in accordance with the UFGS format. At each milestone of the design process, the design/build



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Part III – Technical Statement – Project Approach

team will review the plans to ensure constructability and efficiency, and to potentially order any long lead items to expedite project delivery.

Deliverables are outlined Section 3.5 in the documents and are further summarized as below:

- Geotechnical Report
- Updated Topographic Survey
- Corps Nationwide 3 Permit Documents
- Construction Plans – at identified milestones with required hard and soft copies
- Technical Specifications
- Sunshine One Call – design ticket for underground utilities

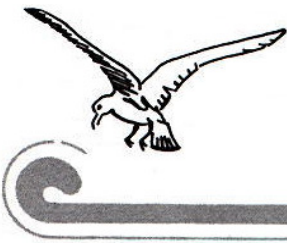
I. STATEMENT OF DESIGN BUILD MILESTONES AND SCHEDULE

- Proposal Opening Date – Thursday, March 2nd at 3:00 PM – Proposal submission
- City Commission Contract Award – April 2017
- NTP1 – Administrative Notice to Proceed Issuance – April 2017
- NTP2 – Design Notice to Proceed Issuance – May 2017
- NTP3 – Construction Notice to Proceed – August 2017
- Project Completion – January 2018

SEE ATTACHED CPM FOR FURTHER SCHEDULE DETAILS

J. STATEMENT OF CONSTRUCTION SYSTEMS AND MATERIALS PROPOSED

- All Steel and Aluminum products and materials will be delivered with mil certifications. Sheet piling shall be A690 Grade 50 steel minimum
- All Coatings will be delivered with Safety Data Sheets (SDS) and coating certification.
- All permanent materials will be handled and stored in accordance with the manufacturer's recommendations, to include, protecting stored materials from the environment as required.
- Backfill to be supplied clean and well graded, organic or unsuitable material will be removed from the site and replaced with adequate fill material. Soil Proctor and gradation testing shall be performed for all sourced material prior to delivery.
- All permanent materials that are found to be defective or do not meet the minimum project specifications and are not accepted by the engineer of record or the architect will be disposed of or removed from the jobsite and replaced with an acceptable replacement.



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Part III – Technical Statement – Project Approach

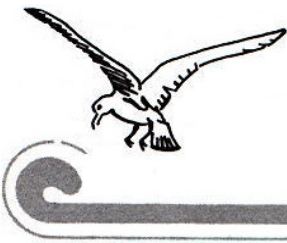
K. STATEMENT OF DESIGN AND CONSTRUCTION QUALITY CONTROL

The purpose of this plan is to identify personnel, procedures, control, instructions, test, records and forms to be used with regard to Quality Assurance and Quality Control for the referenced project. The primary purpose of this plan is to provide the level of construction quality required by strict adherence to the contract plans, specifications and permits. As part of the QC process, Moffatt & Nichol utilizes independent resources from another office not directly involved with the project to conduct the QA/QC of the engineering design and of the construction plans and specifications. This approach provides a “fresh look” at the construction documents so any technical concerns can be addressed prior to finalization of the construction documents. The QA/QC process is documented as part of the standard practice.

CQC System Manager. The Construction and Design Project Managers will serve as the CQC System Manager has front line responsibility for quality control. She/he will become thoroughly familiar with all aspects of the project and ultimately inspect all work to ensure quality is being maintained by all craftsmen, vendors and subcontractors. The QCM is ultimately responsible for inspecting, documenting, and reporting to the contracting officer all aspects of the work described and detailed in the plans and specifications. She/he is responsible for implementing and enforcing the Quality Control Plan. His/her duties include, but are not limited to:

- Implementation of the 3-phase control system for all definable features of work.
- Day-to-day inspection of the work.
- Daily on site documentation
- Ensure that all in-place work meets or exceeds all minimum standards set forth in the plans and specifications.
- Detect discrepancies or problems on site and immediately bring the same to the attention of the Contracting Officer's Representative, as necessary.
- Preparation and review of submittals and certification of submittal prior to submission.
- Maintain document control.
- Maintain As-built conditions.
- Interface with the owner and outside agencies as required.

Assistant CQC System Manager. The Project Superintendent will serve as the assistant QA/QC manager will assume responsibilities for all aspects of Quality Control as required by our Quality Control Plan and the Contract Documents should the QCM not be able to perform his or her duties. The Project Superintendent will also have the responsibility of coordination and communication between all trades and subcontractors to ensure all parties have the proper documentation, drawings, specifications and schedule to perform the work. His/her duties include, but are not limited to:



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Part III – Technical Statement – Project Approach

- Review construction schedule with trades and sub-contractors.
- Material order and inspection
- Quality Control Inspection paperwork
- Inspection of materials and deliveries and documentation of compliance
- Deficiency notification
- Submittals
- Quality Assurance inspections for subcontractors

Outside Organizations: Where applicable, outside organizations are to provide trade specific Quality Assurance / Quality Control plans. Ebsary will review individual QA/QC plans for compliance with the contract documents and will provide supplemental quality assurance inspection.

L. ALTERNATE METHODS AND MATERIALS

Due to the simplicity and the preliminary design efficiency there are very limited alternate means and methods that will provide significant cost savings to the owner. Minor adjustments to the sheet pile section, coating requirements and deadman type will be accounted for within the baseline design build proposal. However, secondary items may be adjusted, while still providing a similar final product without sacrificing the overall durability. Some items that may be adjusted are the use of the coated reinforcing (vs. concrete cover and additives) and the type of concrete utilized. Otherwise, adjustments and modifications to the deadman system will not be known until final layout is determined, due to conflicts, then adjustment or design modifications may have to be made, but likely they will not be a cost savings.

DESIGN BUILD SERVICES FOR TRUMAN ANNEX / NOAA SEAWALL RFP 004-17

Act ID	Description	Orig Dur	Early Start	Early Finish	Total Float	2017												2018			
						MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	
NTP #1: CONTRACT																					
80	CONTRACT COMPLETION DATE	0		01MAR17	327d	◆ CONTRACT COMPLETION DATE															
10	Proposal Submission	0	02MAR17 *		230d	◆ Proposal Submission															
30	KW Project Award	30d	02MAR17	12APR17	0	■ KW Project Award															
40	Contract Executed	0		12APR17	0	◆ Contract Executed															
50	Preconstruction Meeting	1d	20APR17	20APR17	0	Preconstruction Meeting															
60	NTP #1	0	21APR17		0	◆ NTP #1															
100	PROJECT MANAGEMENT PLAN	10d	21APR17	04MAY17	184d	■ PROJECT MANAGEMENT PLAN															
110	Survey and Pre Design Investigation	10d	21APR17	04MAY17	184d	■ Survey and Pre Design Investigation															
120	Pre-Design Submittals	10d	21APR17	04MAY17	0	■ Pre-Design Submittals															
NTP #2: DESIGN																					
1000	NTP #2	0	05MAY17		0	◆ NTP #2															
1010	Geotechnical Investigation	10d	05MAY17	18MAY17	174d	■ Geotechnical Investigation															
1020	Site Survey	10d	05MAY17	18MAY17	174d	■ Site Survey															
1030	Environmental Permit Design / Applications	10d	05MAY17	18MAY17	0	■ Environmental Permit Design / Applications															
1040	Preliminary Bulkhead Design	10d	19MAY17	01JUN17	0	■ Preliminary Bulkhead Design															
1050	USACOE Permit Update	60d	19MAY17	17JUL17	189d	■ USACOE Permit Update															
1070	NPDES Permit	60d	19MAY17	17JUL17	189d	■ NPDES Permit															
1080	Value Engineering Constructability Review	0	02JUN17		164d	◆ Value Engineering Constructability Review															
1100	60% Design	15d	02JUN17	22JUN17	0	■ 60% Design															
1045	60% Design Review	5d	23JUN17	29JUN17	0	■ 60% Design Review															
1210	90% Seawall Design	10d	30JUN17	14JUL17	0	■ 90% Seawall Design															
1230	90% Design Review	5d	17JUL17	21JUL17	0	■ 90% Design Review															
1250	Final Design	10d	24JUL17	04AUG17	0	■ Final Design															
1260	Final Design Review	5d	07AUG17	11AUG17	0	■ Final Design Review															
1270	Final Design Approved	0		11AUG17	0	◆ Final Design Approved															
1280	Building Permit Application	5d	14AUG17	18AUG17	0	■ Building Permit Application															
1320	Sheet Pile / Tieback System Procurement	30d	14AUG17	22SEP17	0	■ Sheet Pile / Tieback System Procurement															
1310	Permits Issued	0		18AUG17	0	◆ Permits Issued															
NTP#3: CONSTRUCTION																					

Start date 02MAR17
 Finish date 22JAN18
 Data date 02MAR17
 Run date 01MAR17
 Page number 1A
 © Primavera Systems, Inc.

EBSARY FOUNDATION COMPANY
3/2/2017

- Early bar
- Progress bar
- Critical bar
- Summary bar
- ◆ Start milestone point
- ◆ Finish milestone point

EBSARY COMPANY OWNED EQUIPMENT LIST		
TYPE	EQUIP #	DESCRIPTION
BACKHOES	80300	Backhoe Caterpillar(2013)
BACKHOES	80301	Backhoe CAT w/ Attachemnt 2013
BACKHOES	80302	Backhoe Caterpillar
BACKHOES	80306	Caterpillar Backhoe
BACKHOES	80307	Caterpillar Backhoe
BACKHOES	80308	Caterpillar Backhoe
BACKHOES	80309	Backhoe Caterpillar
BACKHOES	81233	Hydraulic Attachment Hammer
BARGES	80400	EB 120 Barge
BARGES	80412	Sectional Barge
BOATS	80401	MACK Tug Boat
BOATS	80402	18' Aluminum Tracker
BOATS	80403	10' Aluminum Tracker
BOATS	80410	Work Boat (S.S. Shiring)
BOATS	80413	Baby Tug Boat
BOATS	80416	12' Aluminum Boat
BOATS	80417	Carolina Skiff
BOOM LIFT	81228	Genie Boom Lift
BUCKETS	80902	Clamshell Bucket 1/2 Yard
BUCKETS	80903	Clamshell Bucket 1/2 ton
BUCKETS	80905	Clamshell Bucket 1 3/4 ton
BUCKETS	80906	Clamshell Bucket 3/4 Ton
CLAMPS	81222	APE 200 Sheet Clamp
CLAMPS	81224	J&M Universal Clamp
CLAMPS	81234	APE Cassion Clamp
CLAMPS	81237	J&M 196 Sheet Clamp
COMPRESSOR	80600	Sullair 200 HD Compressor
COMPRESSOR	80604	Air Compressor 210
COMPRESSOR	81238	Compressor (Welding Shed)
CRANES	80104	American 7250 (grey)
CRANES	80106	American 7250 (red)
CRANES	80107	American 7260
CRANES	80108	Link Belt LS-108
CRANES	80109	Link Belt LS-108
CRANES	80110	Link Belt LS-218
CRANES	80111	Link Belt Truck Crane
CRANES	80112	Link Belt LS 138
CRANES	80113	Link Belt LS 238
CRANES	80114	Link Belt LS-218HSL
DRILLS	80204	APE 75 Auger Drill
DRILLS	81201	APE 75 Black Bruin
DRILLS	81209	B400 Drill
DRILLS	81211	B200 (25A)
DRILLS	81212	B200 (35A)
DRILLS	81219	APE 75 Drill Motor

EBSARY COMPANY OWNED EQUIPMENT LIST		
TYPE	EQUIP #	DESCRIPTION
DRILLS	81225	B200 (Spare)
DRILLS	81236	APE 100K Foot lb Drill
DRILLS	81241	APE 75 Drill Motor (2015)
EXCAVATORS	80201	American 25A
EXCAVATORS	80202	American 35A
EXCAVATORS	80206	Bauer Drill Rig
EXCAVATORS	80350	Kobelco Excavator
EXCAVATORS	80351	John Deere Excavator
EXCAVATORS	80352	Kobelco Excavator
FLOATS	80408	Work Floats (7 pieces)
GENERATORS	81243	Generator (old Sunbelt)
GROUT PUMP	80505	Grout Pump 75 CA
GROUT PUMP	80506	Grout Pump
GROUT PUMP	80508	Grout Pump
GROUT PUMP	80510	Grout Pump
GROUT PUMP	80512	Grout Pump
GROUT PUMP	80513	Grout Pump
GROUT PUMP	80514	Grout Pump
HAMMERS	81205	Delmag D-12 Hammer
HAMMERS	81217	Delmag D-30
HAMMERS	81229	ICE I-46 Diesel Impact Hammer
LIGHT TOWE	81231	Light Tower
MISC	80500	Black Jack Grout Pump
MISC	80650	Wire Saw & Power Unit
MISC	81245	40" Drilling Bucket
MISC	89000	Golf Cart
PILECUTTER	81220	Pile Cutter
POWER UNIT	80700	20 / 30 Power Unit
POWER UNIT	80701	8V92 Power Unit
POWER UNIT	80702	H&M Haydraulic Power Pac
POWER UNIT	80703	APE 350 Power Unit
POWER UNIT	80704	APE 525 Power Unit
POWER UNIT	80705	APE 630 Power Unit
POWER UNIT	80706	J&M 350 Power Unit
POWER UNIT	80707	APE 350 Power Unit
POWER UNIT	80708	APE 700 Power Unit
POWER UNIT	80709	APE 475 Power Unit (Black B)
POWER UNIT	80710	APE 765 Power Unit (200-6)
SURVEYING	81216	Lengeman Topcon
TESTEQUIP	81200	Pile Testing Equipment
TRAILERS	80070	Anderson Trailer
TRAILERS	80072	Trailer # 2
TRUCKS	80026	2005 Ford F250 (Jimmie)
TRUCKS	80027	2005 Chevy Silverado (Carl)
TRUCKS	80030	2005 Chevy Silverado (Spare)

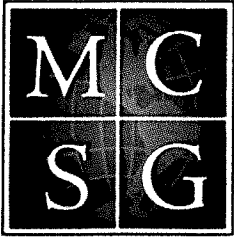
EBSARY COMPANY OWNED EQUIPMENT LIST		
TYPE	EQUIP #	DESCRIPTION
TRUCKS	80036	2007 Chevy Silverado (Charles)
TRUCKS	80039	2011 Chevy Silverado (Steve)
TRUCKS	80040	2011 Chevy Silverado (Nigel)
TRUCKS	80041	2011 Chevy Silverado (Michael)
TRUCKS	80042	2011 Chevy Flatbed (Spare)
TRUCKS	80043	2007 Chevy Silverado (Danny)
TRUCKS	80044	2011 Chevy Silverado (Brent)
TRUCKS	80045	2011 Chevy Silverado (Russell)
TRUCKS	80046	2011 Chevy Silverado (SPARE)
TRUCKS	80047	2012 Chevy Silverado (Yosmel)
TRUCKS	80048	2012 Chevy Silverado (Casimir)
TRUCKS	80049	2012 Dodge Ram 4500
TRUCKS	80050	2013 Chevy Silverado (stanley)
TRUCKS	80051	2013 Chevy Silverado (BrianB)
TRUCKS	80052	2013 Chevy Tahoe (Matt)
TRUCKS	80053	2014 GMC Sierra (Duane)
TRUCKS	80054	2015 Chevy Silverado (Franco)
TRUCKS	80055	2015 Chevy Suburban (Scott)
TRUCKS	80056	2015 Chevy Silverado (John)
TRUCKS	80057	2016 Chevy Silverado (Esmil)
TRUCKS	80058	2016 Chevy Silverado (Mike)
TRUCKS	80059	2016 Chevy Silverado (Rick)
TRUCKS	80061	Chevy Silverado 2500 (MARK)
TRUCKS	80062	2016 Chevy Silverado (Gerry)
VIBROS	81208	H&M Vibro
VIBROS	81213	APE 150 Vibro
VIBROS	81221	APE 200 Vibro
VIBROS	81223	J&M Vibro 28-25
VIBROS	81235	APE 300 Vibro
VIBROS	81242	APE 200-6
WELDERS	80801	Miller Welder
WELDERS	81215	Miller Welding Machine BB400D
WELDERS	81218	Lincoln Welder K2290-1
WELDERS	81226	Lincoln Welder 400D
WELDERS	81227	Lincoln Welder SAE400
WELDERS	81232	Miller Welder Bobcat 250
WELDERS	81239	Lincoln Welder (U1080506289)
WELDERS	81240	Lincoln Welder (u1090200826)
WELDERS	81244	Miller Bobcat Welder

Part IV - Technical Statement - Financial Information

1. State number of years the company has been in business. 87
2. Statement on credit rating of Proposer:
 - a. Give total contract value of work accomplished by your organization in each of the last three years.
2016: \$30,666,918 2015: \$32,714,210 2014: \$36,314,444
 - b. Give contract value of work now under contract with your organization: \$ \$49,693,591
3. Strength of latest financial statement: Excellent
4. Statement on any bankruptcies, value of judgment or liens outstanding against your organization: NONE
5. Statement on ability to secure performance and payment bonds: SEE ATTACHED

Give names of Surety Companies and agent under which you have functioned within last three years:
2016: Travelers Casualty / Agent: Matson Charlton
2015: Travelers Casualty / Agent: Matson Charlton
2014: Travelers Casualty / Agent: Matson Charlton
6. Estimate your maximum bonding capacity \$ 80,000,000.

How much is unencumbered and available at this date? 67,000,000
7. Statement on bonding capacity committed to current and pending projects: \$12,334,289
8. What is the largest (dollar cost) project ever performed by your organization? \$23,175,928



MATSON-CHARLTON
SURETY GROUP

January 6, 2017

EBSARY FOUNDATION, CO.

2154 NW N River Drive
Miami, FL 33125

RE: Letter of Bondability for Ebsary Foundation Co., Inc.

To Whom It May Concern:

Matson-Charlton Surety Group has had the privilege of providing Performance and Payment bonds to Ebsary Foundation Co, Inc (Ebsary) since 1986 and we hold its management in the highest regard.

Currently, Ebsary has the bonding capacity of \$40,000,000 for single projects with an overall aggregate of \$80,000,000.

Ebsary's surety company, Travelers Casualty and Surety Company of America, has an A.M. Best Rating of A++(Superior) with Financial Size of XV, it is listed with the United States Department of Treasury's Listing of approved sureties, and is authorized to transact business within the State of Florida.

Should you need further assurances on our fine client, please contact our office.

Sincerely,

John W. Charlton

MATSON-CHARLTON SURETY GROUP

700 South Dixie Highway, Suite 100 • Coral Gables, FL 33146

Phone: 305.662.3852 • Fax: 305.661.9948

NASBP Member



COPY

EBSARY

foundation company
MARINE AND ENGINEERING CONSTRUCTION

Design Build Project Proposal **Truman Annex / NOAA Seawall** **RFP 004-17**

EBSARY FOUNDATION CO.

2154 NORTHWEST NORTH RIVER DRIVE

MIAMI, FLORIDA.



Key West, Florida
March 2nd, 2017

Incorporated 1930

Attachment C
Cost Proposal - Package No. 2

PACKAGE NO. 2 - COST PROPOSAL

for
TRUMAN ANNEX / NOAA SEAWALL
KEY WEST, FLORIDA

NOTE TO PROPOSER: Use ink, preferably BLACK, for completing this proposal form.

To: City Clerk, City of Key West

Address: 1300 White Street
Key West, Florida 33040

Project Title: Truman Annex / NOAA Seawall
Key West, Florida

CITY Project No.: RFP 004-17

PROPOSER'S person to contact for additional information on the
Proposal:

Name: Matt Shiring

Telephone Number: 305-325-0530

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned hereinafter called the Design/Build Proposer, declares that the only persons or parties interested in this Proposal are those names herein, that this Proposal is, in all respects, fair and without fraud, that it is made without any connection or collusion with any person submitting another Proposal on this Contract.

The Proposer further declares that the Design/Build Proposer has carefully examined the Request for Proposal for design and construction of the Project, that the Proposer attended the Pre-proposal Meeting, that the Proposer has personally inspected the site, that the Proposer has satisfied himself as to the scope of the Project, including, but not limited to required design work, permitting conditions, conditions of construction work involved, quantities of equipment, materials, and building systems as well as the detailed requirements of the Contract, and that this Proposal is made according to the provisions and under the terms of the Contract. Furthermore, the Proposer acknowledges all information presented in the Instructions to Proposers.

The Proposer further agrees that the Proposer has exercised his own judgment regarding interpretation of the Design Criteria information and has utilized all data, which the Proposer believes pertinent from CITY and other sources in arriving at his conclusions.

Contract Execution and Bonds

The Design/Build Proposer agrees that upon receiving notice of City's intent to accept this Proposal the Bidder will, within 15 working days after Notice of Award, sign the Contract, submit the executed Performance and Payment Bonds, and will, to the extent of his Proposal, furnish all design and machinery, tools, apparatus, and other means of construction and do the work and furnish all materials necessary to complete all work as specified or indicated in the Design Criteria and Contract and General and Supplementary Conditions.

Certificates of Insurance

The Design/Build Proposer further agrees to furnish to the City, before signing of the Contract, the certificates of insurance as specified in the Request for Proposal Documents. The CITY shall be listed as additionally insured on all Insurance Certificates.

Start of Project and Contract Completion Time

The Design/Build Proposer further agrees to begin work within ten (10) calendar days after the date of the Notice to Proceed and that construction shall be substantially complete and also completed and ready for final payment and acceptance by, the CITY as set forth in the Design/Build contract

Liquidated Damages

Liquidated damages, in the amount and in accordance with the terms stated in the Agreement, shall be paid by the Proposer for each day from the time specified for the completion of the Contract until final acceptance of the Work in accordance with the Agreement. This is estimated as fixed damages to the CITY for failure to complete the Work

in the time specified. This charge shall be made, unless the CITY shall grant an extension of time for the completion of the Work.

Addenda

The Design/Build Proposer hereby acknowledges that he has received Addenda No's 1, 2, 3, 4, _____ (Bidder shall insert No. of each Addendum received) and agrees that all Addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that the Proposal includes all impacts resulting from said Addenda.

Sales and Use Taxes

The Design/Build Proposer agrees that all sales and use taxes are included in the stated bid prices for the work, unless provision is made herein for the Proposer to separately itemize the amount of sales tax.

Lump Sum Work

The Design/Build Proposer further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump sum amounts, it being expressly understood that the amounts are independent of the exact quantities involved. The Design/Build Proposer agrees that the amounts represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type of work called for in these Contract Documents. The amounts shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern.

Preliminary Schedule of Values

Preliminary Schedule of Values prepared in accordance with General Conditions, Paragraph 2.04.B.3 shall be attached to this Cost Proposal Package. Final Schedule of Values shall be developed in accordance with the Contract subject to approval of the City.

Public Entity Crimes

"A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list." See Attachment M.

Florida Trench Safety Act

The Design/Build Proposer further acknowledges that, included in the various items of the Proposal and in the total bid price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) effective October 1, 1990. These costs shall not be paid for in a separate bid item. See Attachment O.

Permits

Design / Build Proposer shall obtain and pay for any permits required for execution of the work. Separate permits will be required by the City of Key West Building Department. No permits will be waived.

The CITY has received Permits from FDEP Permit: 44-0341846-001-EE and ACOE Permit: SAJ-2016-00621 (NW-CGM)/SER-2016-18029. Permits enclosed as Appendices ii and iii respectively.

The Design/Builder shall apply for a building permit and substantially comply with all permit approvals and/or modify these permits, as necessary, to incorporate any changes in design concepts or operational procedures incorporated during the design.

Total Base Bid Amount

The Design/Build Proposer agrees to accept as full payment for the Work proposed under this Project, as herein specified and as shown on the Drawings and Engineering Design Standards, the following Total Base Bid amount and building permit allowance:

1. Administrative NTP No. 1 (includes furnishing a full progress schedule in accordance with technical specifications section, submittals schedule, and schedule of values)

1 Lump Sum \$ 50,000.00

2. Design NTP No. 2 (includes design reaching 100% submittal and securing all Permits)

1 Lump Sum \$ 210,000.00

3. Construction NTP No. 3 (Includes mobilization, installing sheet pile wall With tie-back anchors and concrete cap, electrical, plumbing, stormwater piping, and dock/wood piling removal and replacement)

1 Lump Sum \$ 903,575.00

TOTAL OF BASE BID ITEMS 1 THROUGH 3 LISTED ABOVE:

Total of lump sum items 1 - 3 \$ 1,163,575.00

ONE MILLION ONE HUNDRED SIXTY THREE
THOUSAND FIVE HUNDRED SEVENTY FIVE Dollars & ZERO Cents
(amount written in words)

Alternates:

Listed below are alternate options that will be considered by the City. These options, if accepted by the City will be additions to or deductions from the Total Base Bid Amount stated above. Acceptance of alternates will be at the sole discretion of the City.

ALTERNATE A – TARGUARD Coal Tar Epoxy (Lump Sum)

Under this alternate bid item, the Design/Builder must achieve coating the top 25 feet of steel sheet pile sheets on both sides with a 16-Mil minimum thickness of TARGUARD Coal Tar Epoxy.

Acceptance of Alternate A – TARGUARD Coal Tar Epoxy would increase the Total Base Bid Price.

1 Lump Sum \$ 149,000.00

ALTERNATE B – Seawall Length Adjustment (Unit Price)

Under this alternate bid item, the Design/Builder will reduce the overall wall length by the City selected footage. This unit price deduction per foot of wall would be inclusive all associated material, labor, and overhead cost.

Acceptance of Alternate B – Overall Seawall Length Adjustment would decrease the Total Base Bid Price.

1 Lineal Foot of Seawall \$ 1,050.00

ALTERNATE C – TARGUARD Coal Tar Epoxy Adjustment

Under this alternate bid item, the Design/Builder will reduce the overall wall length by the City selected footage, thus reducing the required TARGUARD Coal Tar Epoxy coating. This unit price deduction per foot of wall coating would be inclusive all TARGUARD Coal Tar Epoxy associated material, labor, and overhead cost.

Acceptance of Alternate C – TARGUARD Coal Tar Epoxy Adjustment would decrease the Total Base Bid Price:

1 Lineal Foot of Seawall \$ 415.00

SURETY

The Performance and Payment Bonding will be furnished by a Surety. The Surety who will provide the Payment and Performance Bonding will be Travelers Casualty and Surety Company of America

Whose address is 1 Tower Square
Street
Hartford CT 06183
City State Zip Code

PROPOSER

The name of the Design/Build Proposer submitting this Proposal is _____
Ebsary Foundation Company, doing business at
2154 NW North River Drive Miami FL 33125
Street City State Zip Code

which is the address to which all communications concerned with this Proposal and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Proposal, or of the partnership, or of all persons interested in this Proposal as principals are as follows:

- _____
Scott Alfele, President
- _____
Matt Shiring, Vice President, Secretary
- _____
Yvette Aubin, Vice President
- _____

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his (its) hand this _____ day of _____, 20__.

Signature of Design/Build Proposer: _____

Title: _____


If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this 2nd day of MARCH 2017

(SEAL)

Ebsary Foundation Company

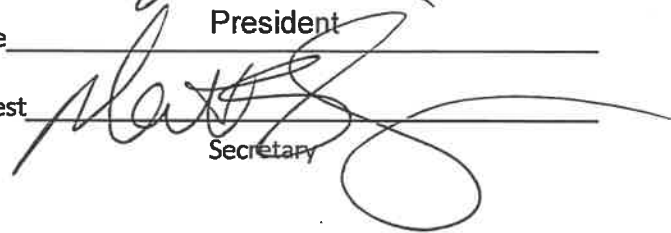
Name of Corporation

By  Scott Alfele

President

Title

Attest



Secretary

Attachment D
Bid Bond

STATE OF FLORIDA)
)
COUNTY OF MIAMI-DADE)

KNOW TO ALL MEN BY THESE PRESENTS, that we,
EBSARY FOUNDATION COMPANY

hereinafter called the PRINCIPAL, and
TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

hereinafter called SURETY, are held and firmly bound unto City of Key West, hereinafter called OWNER, in the sum of FIVE PERCENT OF THE AMOUNT BID DOLLARS (\$ 5% -----) lawful money of the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL contemplates submitting or has submitted a bid to the OWNER for the furnishing of all design, labor, materials, equipment, machinery, tools, apparatus, means of transportation for, and the performance of the work covered in the Request for Proposal, entitled:

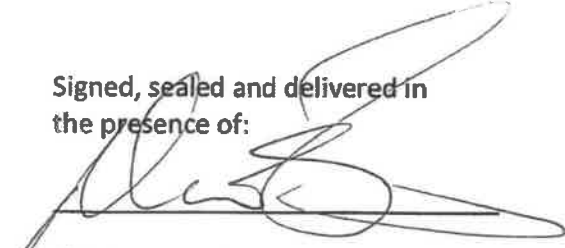
Truman Annex / NOAA Seawall, Key West, Florida

WHEREAS, it was a condition precedent to the submission of said bid that a cashier's check, certified check, or bid bond in the amount of 5 percent of the total bid to be submitted with said bid as a guarantee that the PRINCIPAL, would, if notified of OWNER'S intent to award the Contract to the PRINCIPAL, enter into a written Contract with the OWNER for the performance of said Contract, within 15 consecutive calendar days after written notice having been given of the award of the Contract.

NOW, THEREFORE, the conditions of this obligation are such that if the PRINCIPAL accepts within 15 consecutive calendar days after written notice of such intended award executes and delivers to the OWNER the written Contract with the OWNER and furnishes the Performance and Payment Bonds, each in an amount equal to 100 percent of the total bid, satisfactory to the OWNER, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the OWNER and the SURETY herein agrees to pay said sum immediately upon demand of the OWNER in good and lawful money of the United States of America, as liquidated damages for failure thereof of said PRINCIPAL.

IN WITNESS WHEREOF, the said
as PRINCIPAL herein, has caused these presents to be signed in its name by its and
attested by its
under its corporate seal, and the said
as SURETY herein, has caused these presents to be signed in its name by its
corporate seal, this 2ND day of MARCH A.D., 2017.

Signed, sealed and delivered in
the presence of:



Matthew Staring

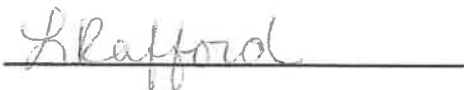
Title Secretary

As to Principal



Attorney-in-Fact JOHN W. CHARLTON

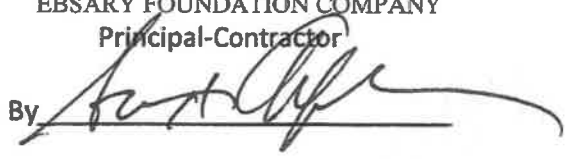
(Power-of-Attorney to be attached)



As to Surety

EBSARY FOUNDATION COMPANY
Principal-Contractor

By



TRAVELERS CASUALTY AND SURETY COMPANY
OF AMERICA
Surety

By


By
JOHN W. CHARLTON
Resident Agent

END OF SECTION

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 2nd day of March, 20 17


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 216588

Certificate No. 006834125

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut. that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

D. W. Matson III, and John W. Charlton

of the City of Coral Gables, State of Florida, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 22nd day of June, 2016.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
Robert L. Raney, Senior Vice President

On this the 22nd day of June, 2016, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2021.



[Signature]
Marie C. Tetreault, Notary Public

Document 703

Continuation Sheet

TRUMAN ANNEX SEAWALL PROPOSED SCHEDULE OF VALUES

Document 702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

APPLICATION NO.: 0
 APPLICATION DATE: 3/2/2017
 PERIOD TO: 3/2/2017
 PROPOSAL NO.: RFP 004-17

A ITEM NO.	B DESCRIPTION OF WORK	C QTY	D UNIT	E UNIT PRICE	F SCHEDULED VALUE	G QUANTITIES		H TOTAL TO DATE	I PREVIOUS	J DOLLAR VALUE		L TOTAL COMPLETE	M %	N BALANCE TO FINISH	O RETAINAGE 10%
						PREVIOUS	CURRENT			PREVIOUS	CURRENT				
10	Bond & Insurance	1.0	LS	\$ 25,000.00	\$ 25,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 25,000.00	\$ -	
20	Preliminary Design	1.0	LS	\$ 35,000.00	\$ 35,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 35,000.00	\$ -	
30	60% Design	1.0	LS	\$ 35,000.00	\$ 35,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 35,000.00	\$ -	
40	90% Design	1.0	LS	\$ 35,000.00	\$ 35,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 35,000.00	\$ -	
50	Final Design	1.0	LS	\$ 35,000.00	\$ 35,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 35,000.00	\$ -	
60	Permits Issued	1.0	LS	\$ 40,000.00	\$ 40,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 40,000.00	\$ -	
70	Mobilization	1.0	LS	\$ 50,000.00	\$ 50,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 50,000.00	\$ -	
80	Demolition	1.0	LS	\$ 25,000.00	\$ 25,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 25,000.00	\$ -	
90	Sheet Piling	1.0	LS	\$ 335,000.00	\$ 335,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 335,000.00	\$ -	
100	Tieback System	1.0	LS	\$ 75,000.00	\$ 75,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 75,000.00	\$ -	
110	Water Service	1.0	LS	\$ 10,000.00	\$ 10,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 10,000.00	\$ -	
120	Storm Water System Modifications	1.0	LS	\$ 5,000.00	\$ 5,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 5,000.00	\$ -	
130	Electrical System	1.0	LS	\$ 75,000.00	\$ 75,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 75,000.00	\$ -	
140	Cast In Place Concrete Cap	1.0	LS	\$ 115,000.00	\$ 115,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 115,000.00	\$ -	
150	Backfill	1.0	LS	\$ 18,000.00	\$ 18,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 18,000.00	\$ -	
160	Timber Dock and Piling	1.0	LS	\$ 90,000.00	\$ 90,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 90,000.00	\$ -	
170	Construction Administration / Inspections	1.0	LS	\$ 150,000.00	\$ 150,000.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 150,000.00	\$ -	
180	Site Restoration / Demobilization	1.0	LS	\$ 10,575.00	\$ 10,575.00	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 10,575.00	\$ -	
ALTERNATE ITEMS															
ALT A	TarGuard Coal Tar Epoxy	0.0	LS	\$ 149,000.00	\$ -	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ -	\$ -	
ALT B	Seawall Adjustment Length	0.0	LF	\$ 1,050.00	\$ -	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ -	\$ -	
ALT C	TarGuard Coal Tar Epoxy Adjustment	0.0	LF	\$ 415.00	\$ -	0.00	0.00	\$ -	\$ -	\$ -	\$ -	0%	\$ -	\$ -	
					\$ 1,163,575.00			\$ -	\$ -	\$ -	\$ -	0%	\$ 1,163,575.00	\$ -	