NORTH MIAMI
FLORIDA
776 N.E. 125 Street, North Miami, Florida 33161

Council Report

To: The Honorable Mayor and Council Members

From: Aleem A. Ghany, P.E., Public Works Director

Date: April 8, 2014

Subject: A Resolution of the Mayor and City Council of the City of North Miami, Florida, approving the City administration's ranking results and selection of Pac Comm Inc., as the highest ranked firm for the provision of Design-Build Services for the North Bayshore Park Fishing and Viewing Pier, in accordance with the terms, conditions and specifications of Request for Proposals No. 11-13-14, and further authorizing the City Manager and City Attorney to negotiate and execute an agreement for the provision of Design-Build Services (design development, permitting and construction services) for the North Bayshore Park Fishing and Viewing Pier, in the amount not to exceed Five Hundred Ninety Six Thousand Five Hundred Dollars ($596,500.00); Providing for an effective date and for all other purposes.

RECOMMENDATION

Staff is requesting that the Mayor and Council authorize the City Manager to enter into negotiations and execute a contract for the design-build services for North Bayshore Park Fishing and Viewing Pier with the PAC Comm, Inc for a total amount not to exceed $596,500.

BACKGROUND

The previous pier was destroyed in 2006 during hurricane Wilma. The superstructure of the walkway, the deck and its handrails had been damaged and has been completely removed. The City desired to reconstruct the pier on the existing substructure and replace the remaining section of the structure with new material.

On January 28, 2014 the Purchasing department solicited Proposals from qualified and experienced firms to provide comprehensive design-build services for the reconstruction of the North Bayshore Park Fishing and Viewing Pier, located on 12220 N. Bayshore Drive City of North Miami, Florida. Solicitation opened on March 4th and two (2) responses were received (see list below);

NORTH MIAMI
FLORIDA
776 N.E. 125 Street, North Miami, Florida 33161

Council Report

			Harbour Construction, Inc		Pac Comm, Inc			
					Option One (Polymer Composite)		Option Two (Wood TImber)	
No.	Item(s)	Qty	Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total
1.)	Design Development	1	55,000.00	55,000.00	45,000.00	45,000.00	40,000.00	40,000.00
2.)	Permitting	1	62,000.00	62,000.00	10,000.00	10,000.00	10,000.00	10,000.00
3.)	Site	1	25,000.00	25,000.00	21,500.00	21,500.00	21,500.00	21,500.00
4.)	Construction Adminstraction	1	35,000.00	35,000.00	30,000.00	30,000.00	28,000.00	28,000.00
5.)	Building	1	597,303.00	597,303.00	490,000.00	490,000.00	390,000.00	390,000.00
				$ 774,303.00		$ 596,500.00		$ 489,500.00
			*Proposal rejected for exceeding avalable budget					

Staff recommends Pac Comm, Inc as the highest ranked proposer in a total amount not to exceed $596,500.00.

ADDITIONAL INFORMATION

Pac Comm, Inc has offered to work with the City's Purchasing Department in subcontracting the electrical work involved in this contract to a local North Miami vendor.

FUNDING SOURCE

Funding for this purchase was approved in the FY 2013 - 2014 budget

ATTACHMENT(S)

Resolution
Proposal
Bid Tabulation

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA, APPROVING THE CITY ADMINISTRATION'S RANKING RESULTS AND SELECTION OF PAC COMM INC., AS THE HIGHEST RANKED FIRM FOR THE PROVISION OF DESIGN-BUILD SERVICES FOR THE NORTH BAYSHORE PARK FISHING AND VIEWING PIER, IN ACCORDANCE WITH THE TERMS, CONDITIONS AND SPECIFICATIONS OF REQUEST FOR PROPOSALS NO. 11-13-14, AND FURTHER AUTHORIZING THE CITY MANAGER AND CITY ATTORNEY TO NEGOTIATE AND EXECUTE AN AGREEMENT FOR THE PROVISION OF DESIGN-BUILD SERVICES (DESIGN DEVELOPMENT, PERMITTING AND CONSTRUCTION SERVICES) FOR THE NORTH BAYSHORE PARK FISHING AND VIEWING PIER, IN THE AMOUNT NOT TO EXCEED FIVE HUNDRED NINETY-SIX THOUSAND FIVE HUNDRED DOLLARS ($596,500.00); PROVIDING FOR AN EFFECTIVE DATE AND FOR ALL OTHER PURPOSES.

WHEREAS, on January 28, 2014, the City of North Miami ("City") advertised a Request for Proposals entitled, ***Design-Build Services for North Bayshore Park Fishing and Viewing Pier RFP No. 11-13-14***, as amended ("RFP"), requesting sealed proposals from qualified, licensed, insured and experienced design-build firms to provide comprehensive design-build services for the design development, permitting and construction of a fishing and viewing pier at the North Bayshore Park ("Services"); and

WHEREAS, in response to the RFP, Pac Comm Inc. ("Contractor"), submitted its sealed proposal and related documents ("Proposal") expressing the capability, willingness and expertise necessary to perform the Services, pursuant to RFP requirements; and

WHEREAS, Contractor's Proposal was reviewed, ranked and selected by City administration as the most responsive, responsible low-proposer whose price proposal, qualifications and references demonstrated to be the most advantageous to the City in the procurement of Services; and

WHEREAS, in accordance with the ranking of Contractor by City administration, the City Manager respectfully requests that the Mayor and City Council approve the selection of Pac

Comm Inc., and thereby authorize the City Manager and City Attorney to negotiate and execute an agreement for Services, in order to realize the North Bayshore Park Fishing and Viewing Pier.

NOW THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA:

Section 1. Selection Approval. The Mayor and City Council of the City of North Miami, Florida, hereby approve the City administration's ranking results and selection of Pac Comm Inc., as the highest ranked firm for the provision of Design-Build Services for the North Bayshore Park Fishing and Viewing Pier, in accordance with the terms, conditions and specifications of Request for Proposals No. 11-13-14.

Section 2. Authority of City Manager and City Attorney. The Mayor and City Council of the City of North Miami, Florida, hereby authorize the City Manager and City Attorney to negotiate and execute an agreement for the provision of Design-Build Services (design development, permitting and construction services) for the North Bayshore Park Fishing and Viewing Pier, in the amount not to exceed Five Hundred Ninety-Six Thousand Five Hundred Dollars ($596,500.00).

Section 3. Effective Date. This Resolution shall become effective immediately upon adoption.

PASSED AND ADOPTED by a _____ vote of the Mayor and City Council of the City of North Miami, Florida, this _____ day of April, 2014.

_____
LUCIE M. TONDREAU
MAYOR

ATTEST:

_____
MICHAEL A. ETIENNE, ESQ.
CITY CLERK

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

_____
REGINE M. MONESTIME
CITY ATTORNEY

SPONSORED BY: CITY ADMINISTRATION

Moved by: _____

Seconded by: _____

Vote:

Mayor Lucie M. Tondreau	_____ (Yes)	_____ (No)
Vice Mayor Philippe Bien-Aime	_____ (Yes)	_____ (No)
Councilperson Scott Galvin	_____ (Yes)	_____ (No)
Councilperson Carol Keys, Esq.	_____ (Yes)	_____ (No)
Councilperson Marie Erlande Steril	_____ (Yes)	_____ (No)

NORTH MIAMI
FLORIDA

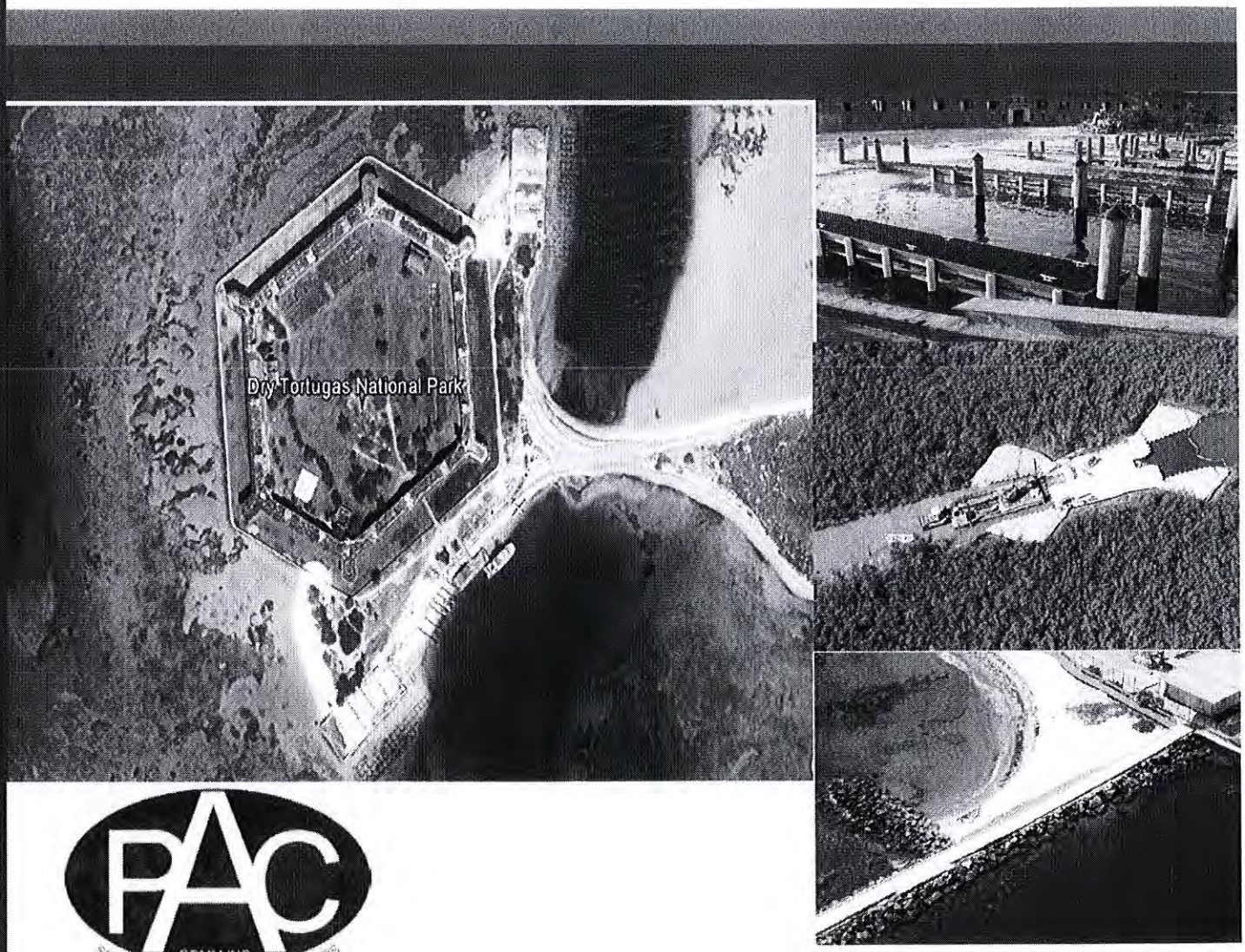
Request for Proposal: 11-13-14
Design Build Services for
North Bayshore Park Fishing and Viewing Pier
Due Date of Proposal: March 4, 2014
Time by which Proposals are Due: 3:00PM

City of North Miami
Office of the City Clerk
City Hall
1st Floor
776 NE 125th Street
North Miami, FL 33161-4116

PAC COMM INC
4226 SW 70th Court
Miami, FL 33155
Office: 305-381-5157
Fax: 305-357-7978

NORTH MIAMI
FLORIDA

Request for Proposal: 11-13-14 Design-Build for North Bayshore Park Fishing and Viewing Pier



PAC
COMM INC
SITEWORK & MARINE CONTRACTORS

Original

PAC COMM INC
4226 SW 70th Court
Miami, FL 33155
Office: 305-381-5157
Fax: 305-357-7978
http://www.paccomminc.com

NORTH MIAMI
FLORIDA

Request for Proposal: 11-13-14
Design-Build Services for North Bayshore Park Fishing and Viewing Pier
Title Page

Submission Information:

- ❑ **Solicitation:** 11-13-14
- ❑ **Offeror:** PAC COMM INC
  4226 SW 70th Court
  Miami, FL 33155
  Office: 305-381-5157
  Fax: 305-357-7978
- ❑ **Cage:** 5BFR5
- ❑ **Duns:** 621295596
- ❑ **Web Site:** http://www.paccomminc.com
- ❑ **Pac Comm Inc. (Pac)** agrees to all terms, conditions and provisions included in the Solicitation and agrees to furnish any or all items upon which prices are offered at the price set opposite each item.
- ❑ Person authorized to negotiate and sign:

Emmanuel Pacin
President
Phone: 305.381-5157
epacin@paccomminc.com

David Jucllc
Director of Operations
Phone: 305-381-5157
dj@paccomminc.com

This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed--in whole or in part--for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of -or in connection with-- the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction.

Confidential

2/27/2014

City of North Miami
Office of the City Clerk
776 NE 125th Street
North Miami, Fl 33161

Re: Design Build Service for the North Bayshore Park fishing and viewing Pier

To Whom It May Concern,

Enclosed please find a proposal from Pac Comm Inc. for the Design and reconstruction of the Cities North Bayshore Pier.

Pac Comm Inc. is a marine construction and Heavy Civil Contractor with offices in Miami, Bradenton Fl and a Marine terminal in Brunswick Ga. As you will find in our proposals our team is well versed in the industry and has over 60 years of combined track record in all areas of marine and Heavy Civil construction. We have performed jobs in Florida such as the Everglades National Park East Cape and Homestead Dam reconstruction and John U Lloyd Jetty Reconstruction for FDEP. As you will see in our proposal, our team has successfully completed marine construction projects of all types and sizes from small bulkheads and floating dock projects to some large dredging projects with similar environmental constraints for agencies such as the Army Corp of Engineers, US Navy, US Coast Guard and the Florida Department of Environmental Protection. We hold a State of Florida General Construction License and are presently certified as an 8a Small Business Enterprise. PAC's team has successfully completed bid/build projects for the Department of Defense and Department of Interior (Everglades National Park) as well as private owners in south Florida. In hiring PAC you will be contracting with a company that can provide the versatility of catering to projects that range from $80,000-$10,000,000. We are presently performing work on the Wares Creek Channel Widening project for the United States Army Corp of Engineers with a total value of over $10 million. This project included the redesign of an anchor wall system and sheet pile wall, dredging and sitework.

We understand that a successful proposer must be completely cognizant of the local environment and benthic habitat within the project footprint. During our pre-proposal review period PAC and its team Olin Hydrographic, 123 Architect have reviewed and inspected the existing structures to be reused and removed. The review included a superficial structural analysis, concrete restoration report, environmental impact assessment and construction material feasibility study to determine the best suited materials based on project demands. The project preliminary design included multiple visits to the project during different hours of the day to determine potential needs of the local residence that included user friendly design, safety, security, as well as ADA friendly design. PAC utilized some of these attributes during the John U Lloyd Jetty Boardwalk for the FDEP. The John U Lloyd Boardwalk included wheelchair friendly fishing/viewing terminals that provided citizens of any age with disabilities to enjoy the viewing and fishing pier. This design is being incorporated into designs throughout Florida fishing piers. In our proposal you will view two designs. One offers the more economical timber system and one using a Polyforce product that is utilized by the FDOT, US Army and other high demand clients.

Pac will self-perform all its work with its own staff and equipment. This will eliminate the potential problems caused when contracting with a firm that will subcontract the majority of the work. Pac presently has an in house Engineer that holds a PE license that will be involved during the design with Olin and 123. This team operates its quality control management and safety program as required by the Department of Defense on all its projects. PAC has standardized this management system whether working for the military or Civilian without affecting its prices. The addition of Olin Hydrographic and 123 Architect brings over 20 additional years of marine construction design, permitting and architectural services to our group. Olin Hydrogrhic is presently working with PAC on the Gulf County Florida Stumphole Shoreline revetment project and 123 Architects have been working with Olin Hydrographic for over 5 years. This will ensure the owner that the team will deliver a product in a timely manner.

Confidential

We are enthusiastic about the opportunity to provide the City of North Miami with a design build project that will provide the residents of the community with a viewing and fishing pier that is environmentally friendly, user friendly and maintenance free. If the City of North Miami selects the Pac Comm team to perform this challenging project, you will be hiring an experienced, financially strong, and risk averse company, bolstered by experienced and successful local experts.

We look forward to future discussions about our participation in your construction plans.

Sincerely,

David Juelle
COO

REQUEST FOR PROPOSAL: 11-13-14

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1	Appendix A- Cover Page and Contact Person Information
2	Appendix B- Price Proposal Form
3	Appendix C- Proposal Submittal Checklist
4	Company Narrative
5	Conceptual Design
6	Price Proposal/Schedule of Values
7	Methodology & Approach to the Project
8	Qualifications and Experience
9	Methodology, Approach & Outreach Effort to Contract with Local Respondents and Residents
10	Product Information

Use Or Disclosure Of Data Contained On This Sheet Is Subject To The Restriction On The Title Page Of This Proposal"

REQUEST FOR PROPOSAL: 11-13-14

TABLE OF CONTENTS Continued

11	A-1 Public Entity Crimes Affidavit
12	A-2 Non- Collusive Proposal Certificate
13	A-3- Local Preference Affidavit (N/A at this time)
14	A-4- Questionairre
15	A-5- Acknowledgement of Addenda
16	A-6- Disclosure of Subcontractors & Suppliers
17	A-7- Insurance Requirements
18	A-9- Bid Bond
19	A-14- References

#1- Appendix A
Cover Page and Contact Person Information

NORTH MIAMI
FLORIDA

Appendix A

COVER PAGE & CONTACT PERSON INFORMATION

DESIGN-BUILD SERVICES FOR NORTH BAYSHORE PARK FISHING AND VIEWING PIER

RFP 11-13-14

Include this sheet as the very first page of your Proposal. Please complete the entire form in its entirety. The contact person indicated should be someone the City may contact for any questions or provide any correspondence related to this Solicitation.

Legal Name of Proposer(s):	Pac Comm, Inc.
Federal Employee Identification (FEIN) Number:	56-2548965
Mailing Address:	4226 SW 70th Court
City, State, Zip Code:	Miami, FL 33155
Contact Persons Name:	David Juelle
Title:	COO
Email Address:	dj@paccominc.com
Telephone Number:	305-381-5157
Fax Number:	305-357-7978

#2- Appendix B- Price Proposal Form

NORTH MIAMI
FLORIDA

Appendix B
PRICE PROPOSAL FORM

OPTION 1 OF 2
COMPOSITE
SYSTEM

DESIGN-BUILD SERVICES FOR NORTH BAYSHORE PARK FISHING AND VIEWING

RFP 11-13-14

The prices listed below shall include the total cost to complete the services including but not limited to materials, labor, equipment, bonds, insurances, etc, as necessary to ensure proper delivery of services and/or products requested by the City of North Miami.

ARCHITECTURE/ENGINEERING

1.) Design Development		$ 45,000.00
2.) Permitting		$ 10,000.00
	TOTAL COSTS:	$ 55,000.00

CONSTRUCTION

1.) Site (Environmental Compliance, Embankment, Grading, Drainage, Landscaping, Parking etc.)		$ 21,500.00
2.) Construction Administration		$ 30,000.00
3.) Building		$ 490,000.00
	TOTAL COSTS:	$ 596,500.00

Be sure to attach CSI format breakdown

TOTAL Price- Design & Construction Costs (proposed "Contract Price")

$ 651,500.00
(FIGURES)

Six Hundred Fifty One Thousand Five Hundred Dollars and no cents
(IN WORDS)

NORTH MIAMI
FLORIDA

Appendix B
PRICE PROPOSAL FORM

OPTION 2 OF 2
TIMBER
SYSTEM

DESIGN-BUILD SERVICES FOR NORTH BAYSHORE PARK FISHING AND VIEWING

RFP 11-13-14

The prices listed below shall include the total cost to complete the services including but not limited to materials, labor, equipment, bonds, insurances, etc, as necessary to ensure proper delivery of services and/or products requested by the City of North Miami.

ARCHITECTURE/ENGINEERING

1.) Design Development		$ 40,000.00
2.) Permitting		$ 10,000.00
	TOTAL COSTS:	$ 50,000.00

CONSTRUCTION

1.) Site (Environmental Compliance, Embankment, Grading, Drainage, Landscaping, Parking etc.)		$ 21,500.00
2.) Construction Administration		$ 28,000.00
3.) Building		$ 390,000.00
	TOTAL COSTS:	$ 489,500.00

Be sure to attach CSI format breakdown

TOTAL Price- Design & Construction Costs (proposed "Contract Price")

$ 489,500.00
(FIGURES)

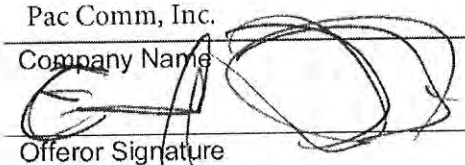
Four Hundred Eighty Nine Thousand Five Hundred Dollars and no cents
(IN WORDS)

1. The price listed in the Price Proposal Form shall include the total cost to complete the Work including but not limited to materials, labor, equipment, bonds, insurances, etc, as necessary to ensure proper delivery of the design-build services and product requested by the City of North Miami.

2. I hereby certify that I am authorized to act on behalf of the Respondent, individual, partnership, corporation or association making this Proposal and that all statements made in this document are true and correct to the best of my knowledge. I agree to hold this offer open for a period of one hundred and eighty (180) days from the deadline for receipt of Proposals; or, if I am selected as the Top-Ranked Offeror, for such further period as is necessary for obtaining Contract signature and approval.

3. I understand and agree to be bound by the conditions contained in the Request for Proposal and shall conform with all requirements of the Request for Proposal.

Pac Comm, Inc.
Company Name



Offeror Signature

3.4.14
Date:

Emmanuel Racin
Name: (Please Print)

CEO
Title:

#3- Appendix C
Proposal Submittal Checklist

NORTH MIAMI
FLORIDA

Appendix C
PROPOSAL SUBMITTAL CHECKLIST

DESIGN-BUILD SERVICES FOR NORTH BAYSHORE PARK FISHING AND VIEWING

RFP 11-13-14

This checklist is provided for Proposer's convenience only and identifies the sections of this submittal document to be completed and submitted with each response. Any Proposal received without any one or more of these sections may be rejected as being non-responsive. Please be advised that this checklist may not necessarily complete include all of the requirements listed throughout this Solicitation. It sets guidelines for consideration, and may be added to as the need arises.

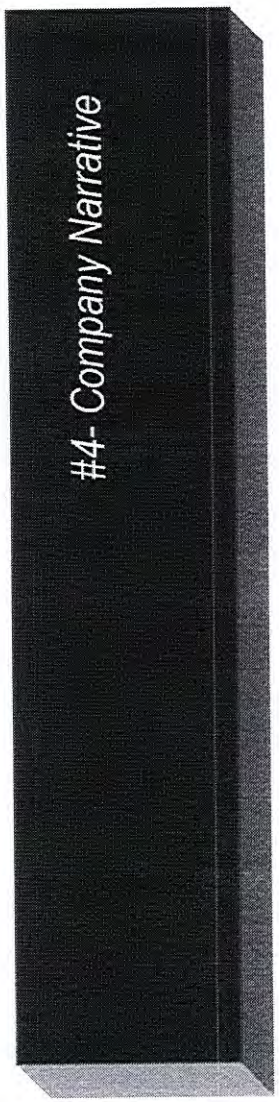
Company Name: Pac Comm, Inc.

Tab/Page No.	Section One (1) Appendix Forms	OFFICE USE ONLY
1	Appendix A: Cover Page/Information Sheet	
2	Appendix B: Price Solicitation Form	
3	Appendix C: Submittal Checklist	
Tab/Page No.	**Section Two (2) Narrative Description**	**OFFICE USE ONLY**
5	Conceptual Design	
7	Methodology & Approach to the Project	
4	Business Structure	
8	Qualification & Experience	
9	Methodology, Approach & Outreach	
Tab/Page No.	**Section Three (3) City Contract Forms**	**OFFICE USE ONLY**
11	A-1 Public Entity Crimes Affidavit	
12	A-2 Non- Collusive Proposal Certificate	
13	A-3 Local Preference Affidavit *(optional)*	
15	A-5 Acknowledgement of Addenda	
16	A-6 Disclosure of Subcontractors & Suppliers	
17	A-7 Insurance Requirements	
18	A-9 Bid Bond	
N/A until awarded	A-10 Performance Bond	
19	A-14 References	

FOR PURCHASING OFFICE USE ONLY

☐ Responsive ☐ Non-Responsive ☐ Other: _____

Comment: _____


#4- Company Narrative

Company Narrative for Pac Comm, Inc.

Pac Comm, Inc. is a Florida Corporation and is a small 8a Minority Owned business specializing in Heavy Civil and Marine Construction. We hold a General Contractor's license with a specialty in Marine Construction. Pac Comm, Inc. is owned and operated by Emmanuel Pacin, who serves as the company's CEO. Mr. Pacin started Pac Comm, Inc. on December 1, 2005. The company has now successfully operated in the South Florida area for the past nine years working on both small and large scale construction, repair, and alteration projects focusing on commercial and governmental contracting. Considering our current success in the South Florida Region we have now added a Brunswick Ga Marine Facility to cover North Florida to Savannah Ga. Pac offers the following serves throughout Florida and Southeast Georgia.

Marine Construction

Marine construction services are a PAC COMM specialty. We offer comprehensive solutions for marine construction and installation services, commercial marine and waterway construction projects, including those for government or military specifications.

Our marine construction services include deep foundation construction, cofferdams, seawalls, pile driving, concrete revetment mats and virtually all other types of marine construction projects. Our commercial marine construction services consist of marina building, jetty repair, piers, docks and fender systems, boat ramps, pier removal and boat ramp design.

Heavy Civil Construction

PAC COMM heavy civil contractor services include road and highway construction projects completed within the strictest DOT protocols, sitework including earth moving, concrete repairs, asphalt work and paving, bridge repair and all other types of heavy civil contractor projects.

Our inventory of heavy civil contractor equipment and our dedicated team of engineers and skilled laborers are precisely the right combination of expertise and technology required to complete your project on time and on budget.

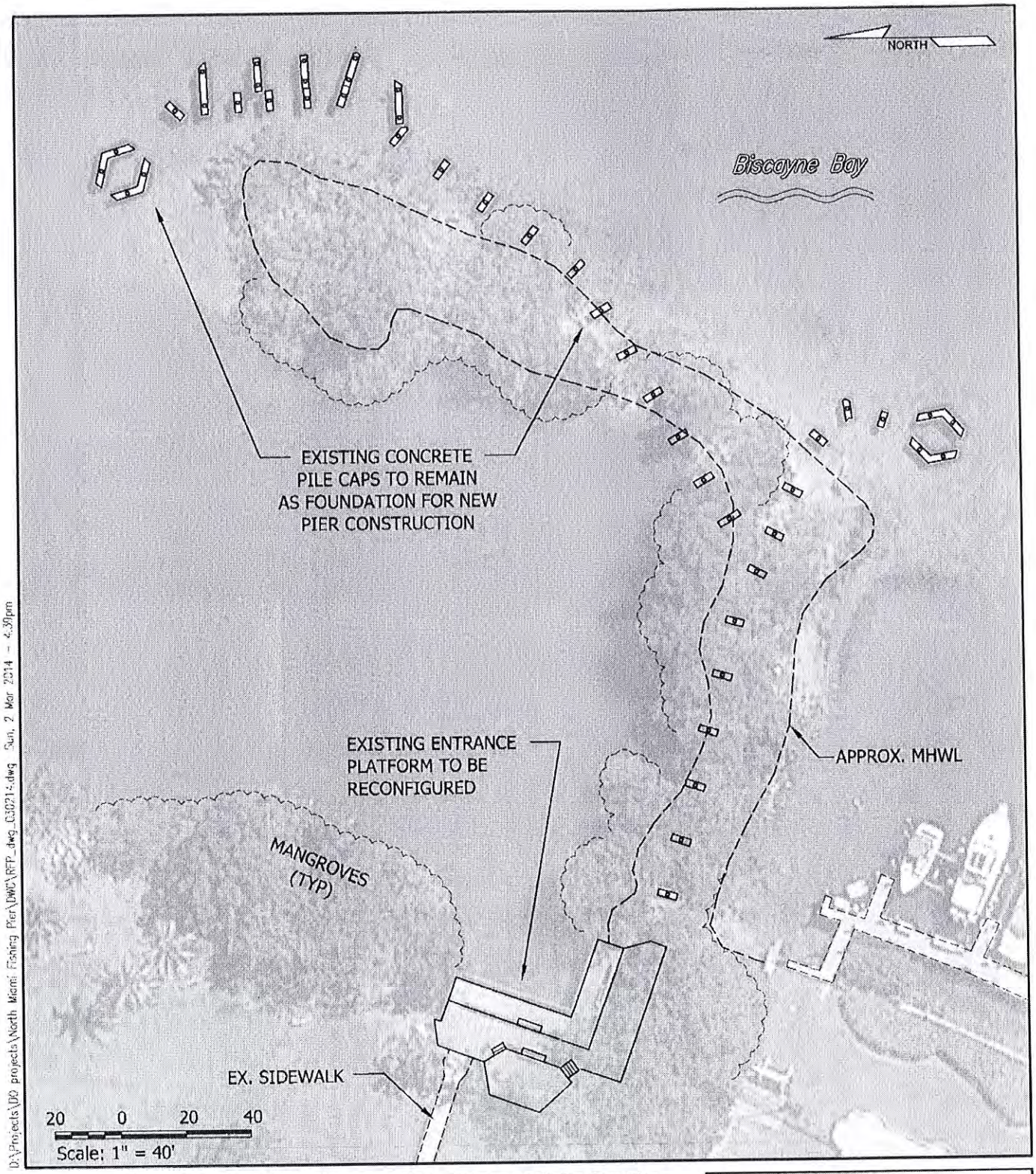
Dredging

PAC COMM is a full service dredging contractor offering marine construction and preparatory dredging, flood control and prevention dredging, contaminant, debris and waste removal dredging and regular maintenance dredging. PAC COMM also offers beach and shoreline erosion nourishment services to restore and reclaim shoreline and beach areas.

PAC COMM offers dredging contractor services including land and water based dredging and the industry's most advanced dredging equipment like the Ellicott 670 and Toyo dredge pumps.

Company Website: www.paccomminc.com

#5- Conceptual Design



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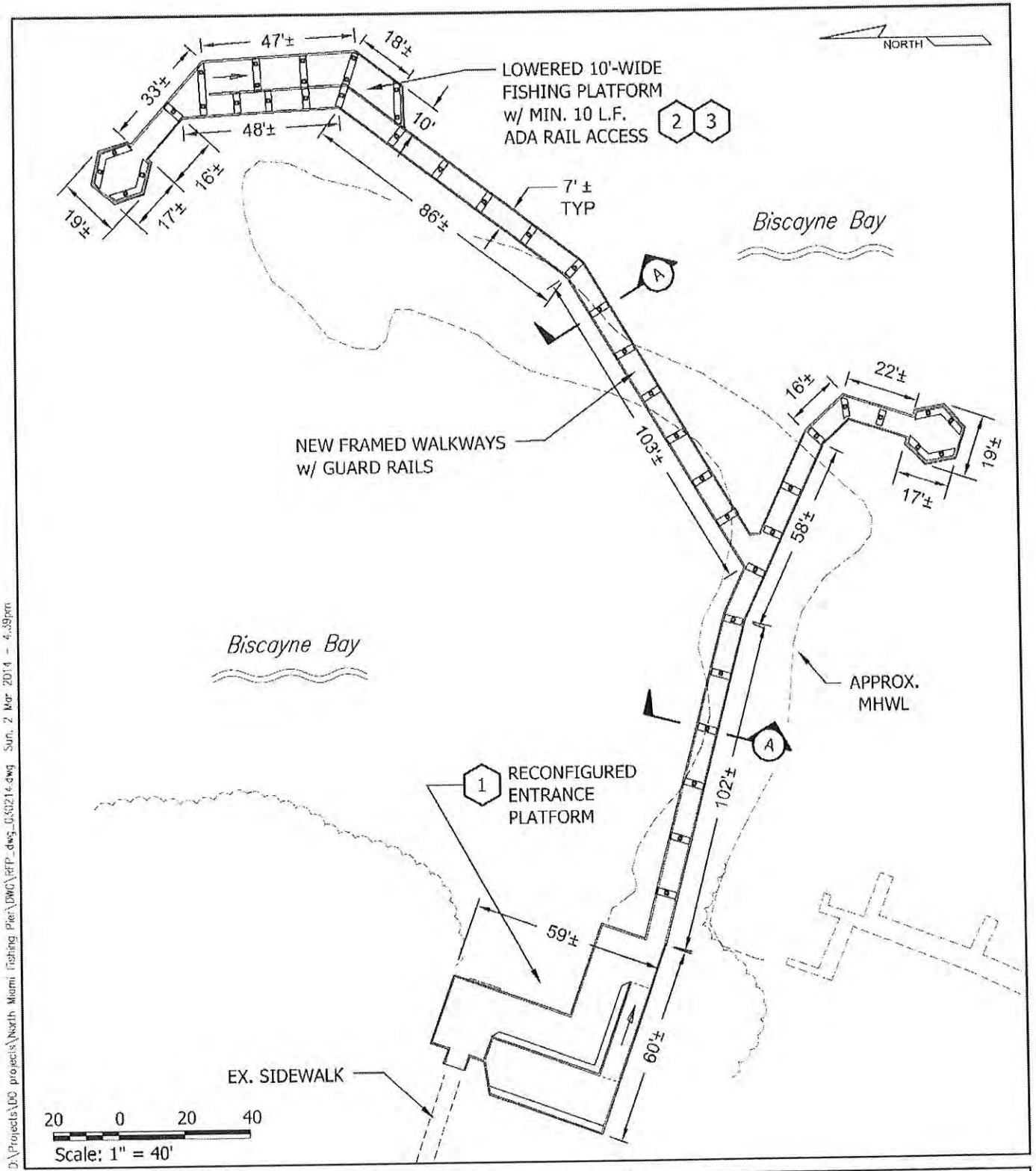
DAVID G. OLIN
FL.REG.57555

North Bayshore Park Fishing and Viewing Pier
2300 Broad Causeway
North Miami, FL 33181

OLIN HYDROGRAPHIC SOLUTIONS, INC.
2900 Calusa St. Coconut Grove, FL 33133
Tel: 305/619-2800 Fax: 305/860-4411
STATE OF FLORIDA PE #57555, CA #26050
Consulting Engineering, Surveying & Mapping, and Environmental Services

North Bayshore Park Pier Reconstruction	
EXISTING CONDITIONS	
JOB:	DATE: 03/04/14
BY: TS/DO	SHEET 1 OF 6



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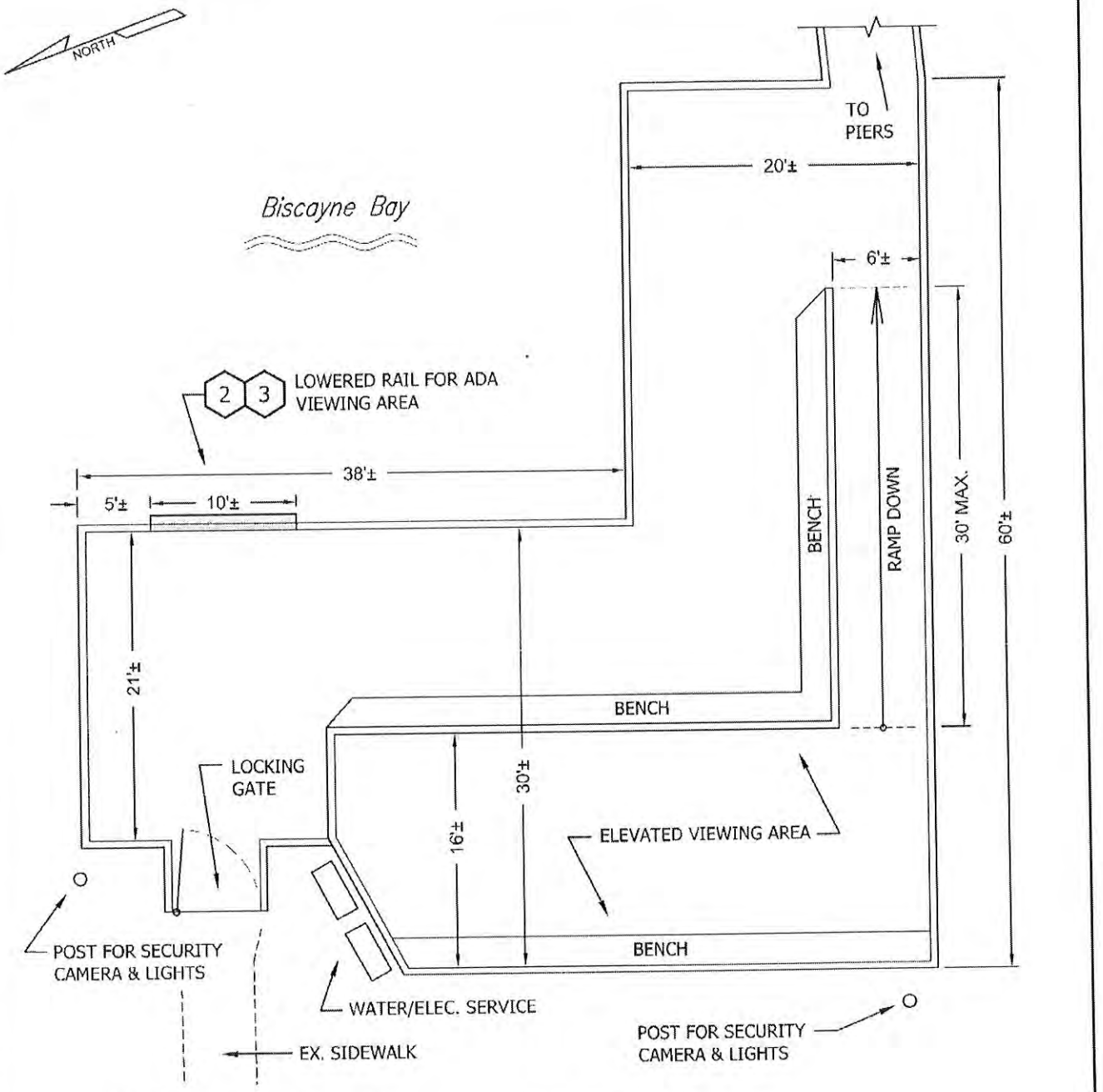
DAVID G. OLIN
FL.REG.57555

North Bayshore Park Fishing and Viewing Pier
2300 Broad Causeway
North Miami, FL 33181

OLIN HYDROGRAPHIC SOLUTIONS, INC
2900 Calusa St. Coconut Grove, FL 33133
Tel: 305/619-2800 Fax: 305/860-4411
STATE OF FLORIDA PE #57555, CA #26050
Consulting Engineering, Surveying & Mapping, and Environmental Services

North Bayshore Park Pier Reconstruction	
PROPOSED CONSTRUCTION	
JOB:	DATE: 03/04/14
BY: TS/DO	SHEET 2 OF 6



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DAVID G. OLIN
FL REG 57555

North Bayshore Park Fishing and Viewing Pier
2300 Broad Causeway
North Miami, FL 33181

OLIN HYDROGRAPHIC SOLUTIONS, INC.
2900 Calusa St. Coconut Grove, FL 33133
Tel: 305/619-2800 Fax: 305/860-4411
STATE OF FLORIDA PE #57555, CA #26050
Consulting Engineering, Surveying & Mapping, and Environmental Services

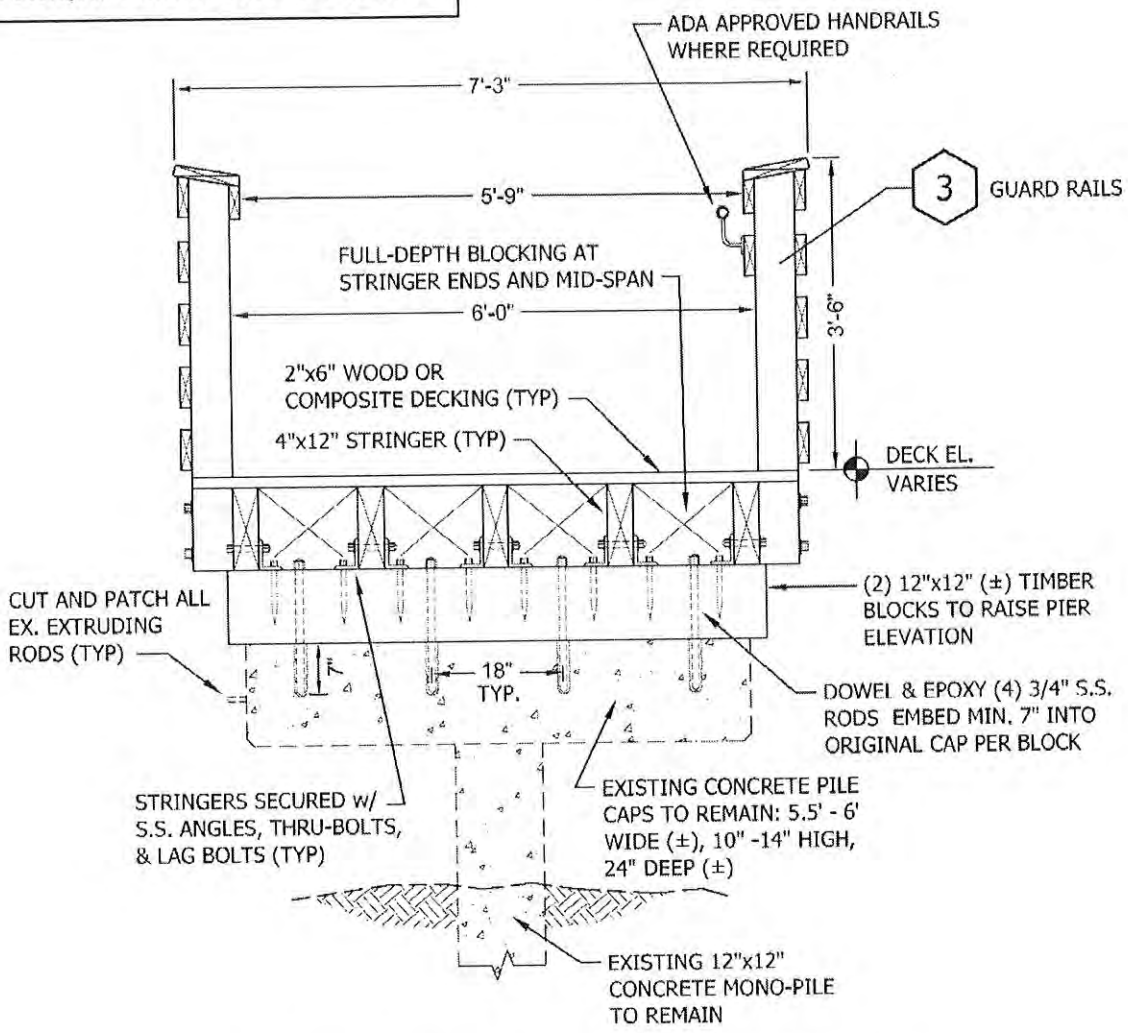
North Bayshore Park
Pier Reconstruction

RECONFIGURED ENTRANCE PLATFORM

JOB:		DATE:	03/04/14
BY:	TS/DO	SHEET	3 OF 6

NOTES:

1. COMPOSITE/FRP BEAMS MAY BE SUBSTITUTED FOR THE 4"x12" WOOD STRINGERS.
2. COMPONENT DIMENSIONS AND SPACING MAY VARY CONSIDERABLY WITH THE USE OF COMPOSITE/FRP MATERIALS IN PLACE OF WOOD.



A TYP. PIER CROSS SECTION @ MONO-PILES

1 0 1 2

Scale: 1" = 2'-0"

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DAVID G. OLIN
FL.REG.57555

North Bayshore Park Fishing and Viewing Pier
2300 Broad Causeway
North Miami, FL 33181

OLIN HYDROGRAPHIC SOLUTIONS, INC.
2900 Calusa St. Coconut Grove, FL 33133
Tel: 305/619-2800 Fax: 305/860-4411
STATE OF FLORIDA PE #57555, CA #26050
Consulting Engineering, Surveying & Mapping, and Environmental Services

North Bayshore Park Pier Reconstruction	
TYP. PIER CROSS SECTION	
JOB:	DATE: 03/04/14
BY: TS/DO	SHEET 4 OF 6

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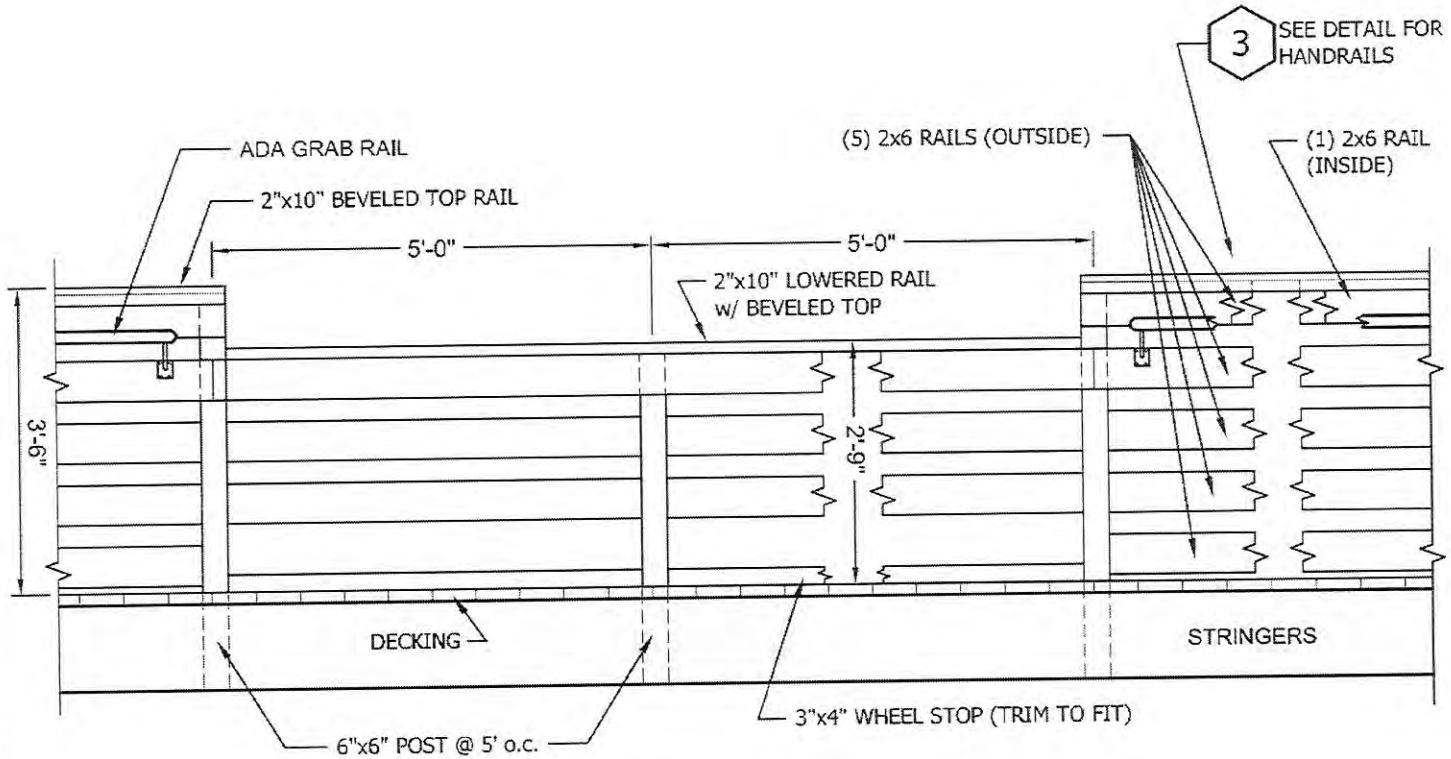


ELEVATION (FROM INSIDE)

2 TYPICAL ADA RAILING @ FISHING/VIEWING AREAS

1 0 1 2

Scale: 1" = 2'-0"

DAVID G. OLIN
FL REG # 57555

North Bayshore Park Fishing and Viewing Pier
2300 Broad Causeway
North Miami, FL 33181

OLIN HYDROGRAPHIC SOLUTIONS, INC.
2900 Calusa St. Coconut Grove, FL 33133
Tel: 305/619-2800 Fax: 305/860-4411
STATE OF FLORIDA PE #57555, CA #26050
Consulting Engineering, Surveying & Mapping, and Environmental Services

North Bayshore Park
Pier Reconstruction

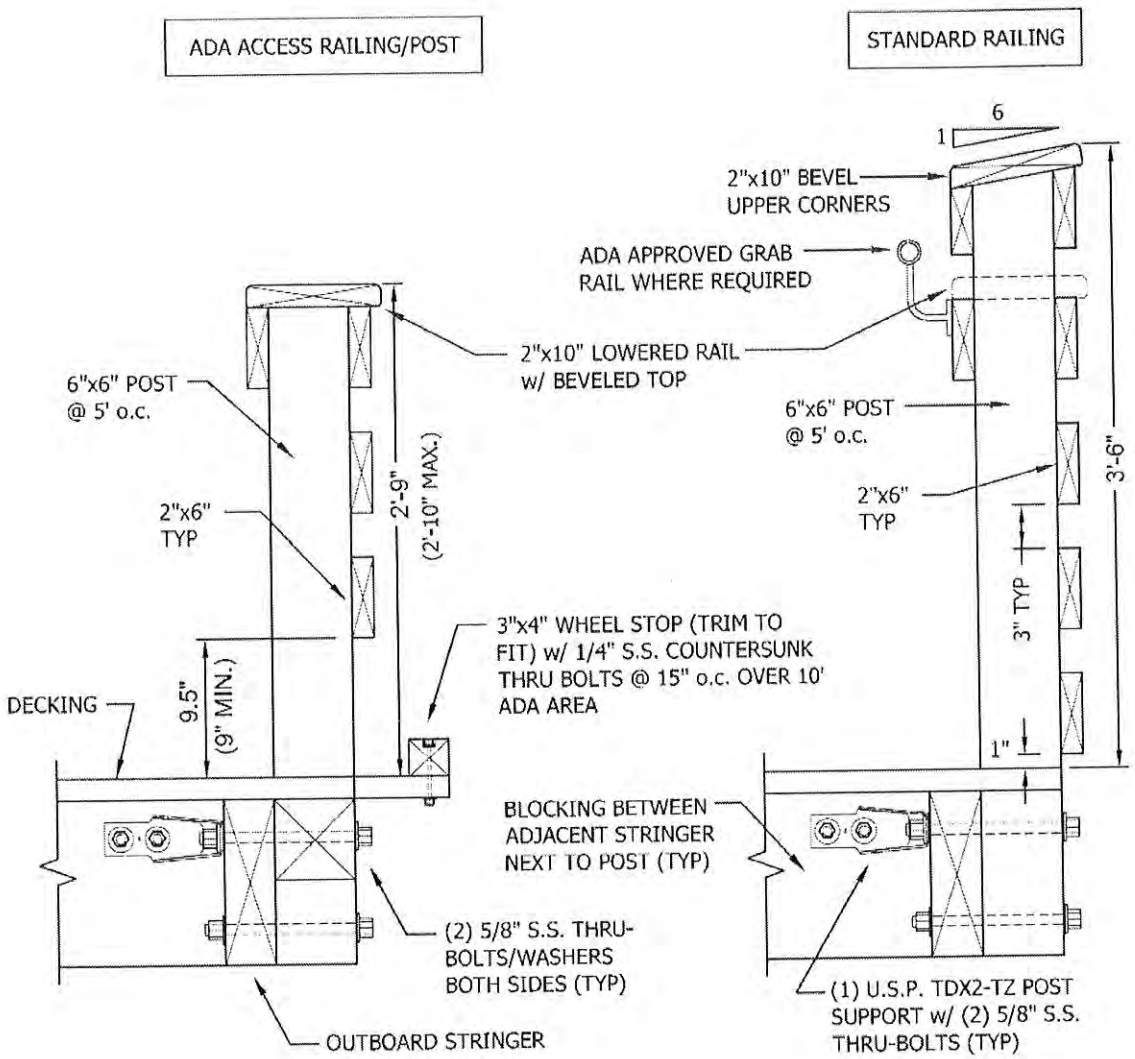
ADA RAILING ELEVATION

JOB:

DATE: 03/04/14

BY: TS/DO

SHEET 5 OF 6



3 RAILING DETAILS

0.5 0 0.5 1

Scale: 1" = 1'-0"

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DAVID G. OLIN
FL.REG.57555

North Bayshore Park Fishing and Viewing Pier
2300 Broad Causeway
North Miami, FL 33181

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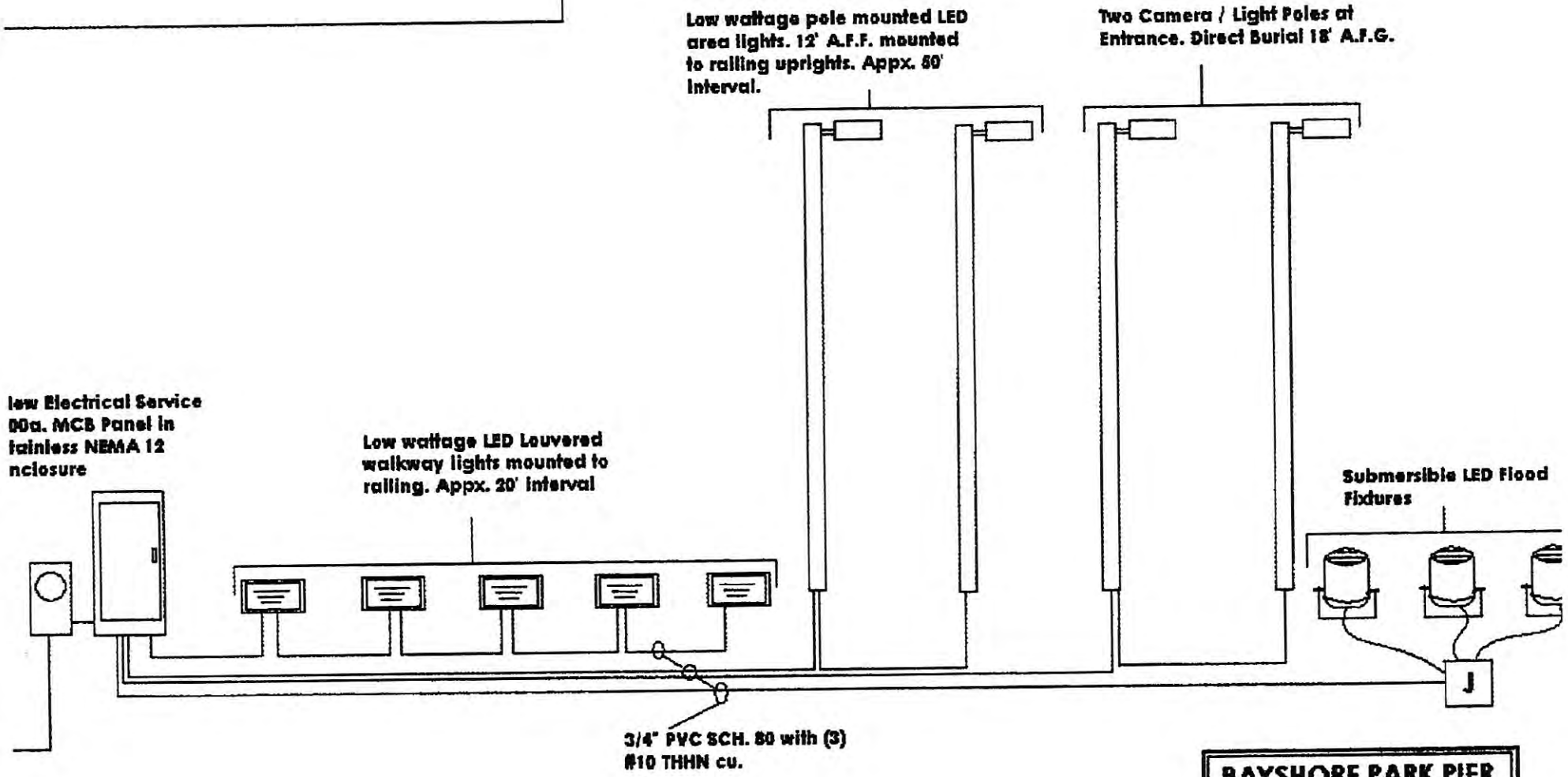
Consulting Engineering, Surveying & Mapping, and Environmental Services

North Bayshore Park Pier Reconstruction		
RAILING DETAILS		
JOB:		DATE: 03/04/14
BY:	TS/DO	SHEET 6 OF 6

NOTES

Lighting Controls to be determined. Photo Cell Control included.
Diagramatic only. Counts of fixtures here representational only.
See specifications for actual fixture criteria.

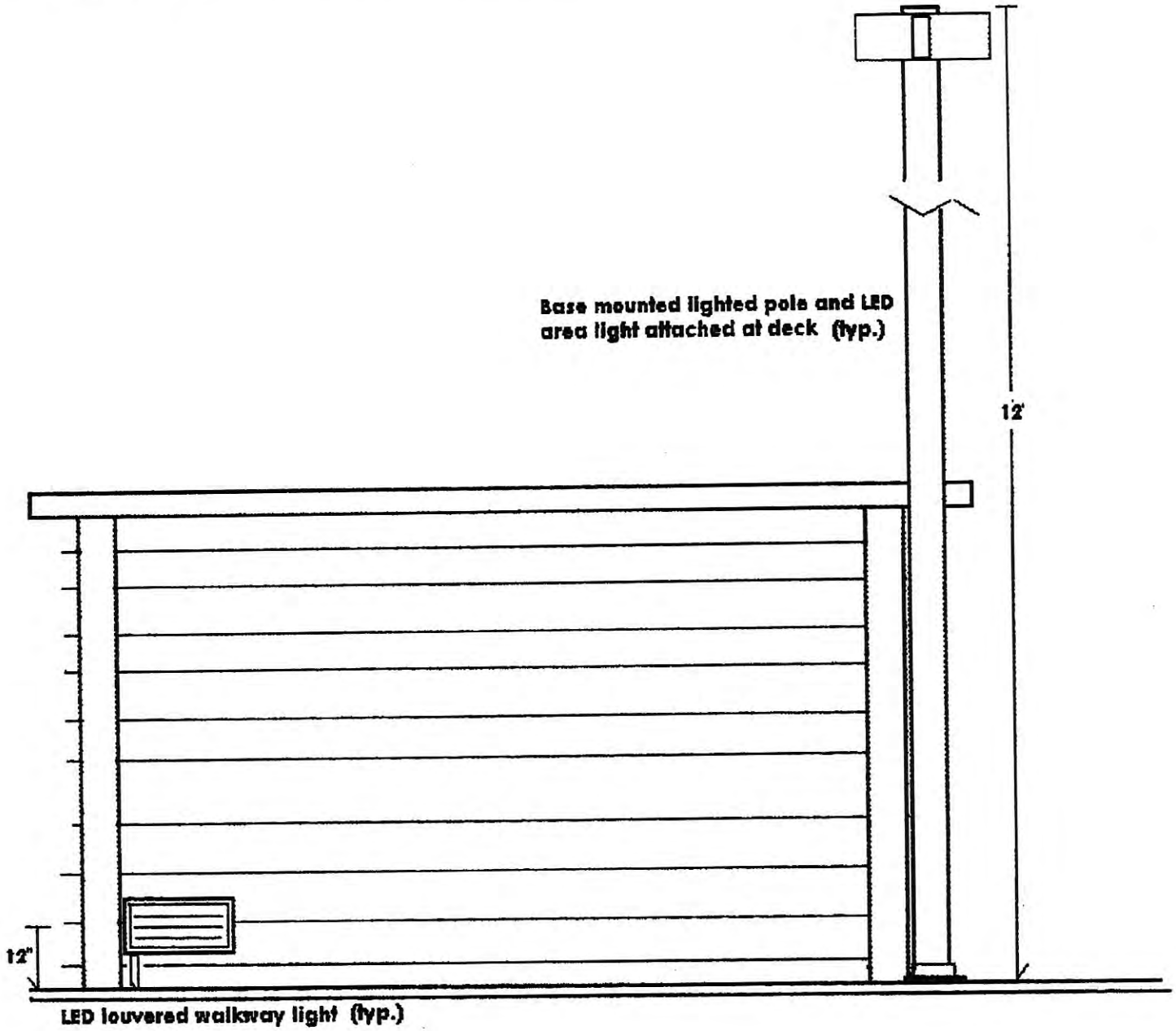


ELECTRICAL RISER / ONE LINE DIAGRAM

BAYSHORE PARK PIER
ELECTRIC
LECTRA LIVING, INC.
(954) 972-3800

NOTES

1. All fixtures to be secured with approved stainless hardware.
2. Fixtures / poles to be constructed of corrosion resistant materials and finishes.



North Bayshore Park
Lighting Detail
Lectra Living, Inc.
(954) 972-3800

#6- Price Proposal/Schedule of Values

Part III- Price Proposal/Schedule of Values

Option 1
Composite System

Div #	Division	Total
1	General Requirements	$85,000.00
2	Existing Conditions	$17,000.00
22	Plumbing	$15,000.00
26	Electrical	$35,000.00
31	Earthwork	$4,500.00
36	Marine Construction	$440,000.00
	Project Total	**$596,500.00**

Option 2
Timber System

Div #	Division	Total
1	General Requirements	$78,000.00
2	Existing Conditions	$17,000.00
22	Plumbing	$15,000.00
26	Electrical	$35,000.00
31	Earthwork	$4,500.00
36	Marine Construction	$340,000.00
	Project Total	**$489,500.00**

#7- Methodology & Approach to the Project

Methodology and Approach

Pac Comm Inc. intends to mobilize sufficient labor and materials to execute the reconstruction of the North Bayshore viewing and fishing pier. The area to be reconstructed is approximately 700 square feet that will include a viewing platform that is ADA accessible with wheel chair terminals. A landing that will provide ADA access and a pedestrian gate to maintain children and toddlers from entering the pier unsupervised.

The Design will show two options:

Option 1- The Polyforce Structural lumber with a fiberglass substructure and stainless steel hardware. Both products will provide the City with low to zero maintenance, Durability, and a 50 year limited warranty. The products come in various colors and are considered a green product by the U.S. Green Building Council.

Option 2- The pressure treated system will provide a classic look using southern pine pressure treated lumber and stainless steel hardware. This system will require periodic maintenance such as the application of water sealer and has a shorter life span than option 1.

Pre-submittal Inspection

During the pre-submittal period Pac visited the site on various occasions. Our first visit was during the Mandatory prebid. Our second visit was during the early morning hours and the third was late afternoon with the entire design team. These visits provided our team with a clear view of the community needs and project requirements. Structural soundness was determined by visual inspection that included checking for concrete spalling or delaminating, an exposed metal stud inspection and a visual inspection of piles. The Environmental aspects of the project play a significant role as well. The job is located on a manmade spoil island that is populated with native mangroves. This will require a mangrove trimming permit issued by FDEP and Miami Dade County DERM. Logistical challenges also revolve around the location and depths surrounding the spoil island. Pac has determined that it will access all of the work from the upland area. This will eliminate the use of work barges and or equipment within the project limits.

Survey/Design/Engineering/permitting

Pac will first survey the existing structure using the services of Olin Hydrographic in order to determine the spans lengths and location of each pile cap, footprint and potential impacts to the native Mangroves. The information will then be provided to the design team of 123 architects to complete the preliminary design that will be presented to the owner for review. Once reviewed and accepted the design and engineering calculations will be presented to DERM, ACOE, SFWMD, FDEP and NOAA in order to process the CLIPER (not sure of the true permit name)permit from DERM. This process may take a total of 3-6 months. (Check with Olin). Once permits are issued and Construction has commenced completion of the project will range from 60-80 calendar days.

Pier Material options

Pac Comm is presenting two options to the City of North Miami to rebuild the Bayshore Pier. This is so the City may choose a design/build schedule that best serves its needs. Both options present quality materials and guaranteed workmanship. The difference comes down to materials chosen and the longevity of the product supplied.

Utilizing the existing piles is important to minimize the impact on the mangrove ecosystem during the construction process. These piles also pose a design problem due to the low deck height of the previous piers. Twice in the past, the Bayshore Pier has been damaged during storm conditions. This can be attributed to the pier structure not being raised clear of possible storm surges. Both options presented by Pac will increase the clearance under the pier to allow water to pass harmlessly beneath the structure in the event of a storm surge.

Option 1

Option one will utilize the finest materials available for construction in a marine environment. The Materials chosen are guaranteed to withstand the corrosive effects of the sun and salt water. Fiberglass, stainless steel and engineered plastics will hold up to the elements with little maintenance while retaining an attractive appearance far longer than some of the more typical pier construction techniques.

Substructure

Structural Plastic Lumber will be used on top of the existing piles to give additional clearance under the pier structure. These products shows structural strength comparable to dimensions of treated lumber.Plastic lumber exhibits exceptional resistance to moisture, fading, insects, splinting, warping and other hazards encountered in a marine environment. Structural plastic lumber is assembled with purified blends of HDPE (high density polyethylene) primarily sourced from recycled plastics, then combine proprietary strengthening additives, UV–inhibited pigments, anti-oxidant processing aids and foaming agents for a highly stable material that is superior to wood lumber on almost any measure.

Fiberglass beams will span the distance between piles and support the deck. These lightweight, strong, and flexible beams provide years of low maintenance service where steel, aluminum, or timber beams are normally specified. Unlike their traditional counterparts, structural fiberglass beams feature high strength, are up to 70% lighter than aluminum, are impact and corrosion resistant, and non conductive. When constructed with UV inhibiting resins, fiberglass beams are an ideal construction material in the marine environment.

Decking

Decking will be constructed using composite decking products. There are a variety of products available, with most options produced from 100% post consumer recycled plastic. Recycled composite decking is featured in many LEED certified projects. This strong and resilient material will replace the standard wood deck. Composite lumber never needs staining, painting, waterproofing or any other recurring maintenance. Composite decking is available in a number of color and pattern options. Manufacturers include warranty periods of up to 50 years, providing the City of North Miami and its residents with a worry free and beautiful deck for an entire generation.

Hardware

Taking into account how harsh a marine environment can be on metals, Pac Comm intends to use marine grade 316 stainless steel on all hardware that is to be exposed to the elements. This includes but is not limited to all deck screws, structural bolts, anchors and brackets. Using only the best hardware will ensure that the Bayshore Fishing and Viewing Pier provides many years of safe, worry-free enjoyment for the residents of North Miami Beach.

Lighting

The lighting plan for North Bayshore Park is designed to give its visitors a pleasant experience while simultaneously provided security and promoting sustainability. All lighting proposed will be efficient LED fixtures that provide years of maintenance free operation. There are three aspects to the proposed lighting plan; first, step light accent fixtures that provide a safe, lighted walkway, second, fully shielded mounted lights that provide plenty of light on the pier without disturbing nearby residents or wildlife, approved by the international dark sky association. Lastly we propose submerged LED light fixtures that not only enhance the aesthetics of the finished pier, but also attract plenty of fish giving residents a natural aquarium using lighting trusted by resorts and yacht manufacturers worldwide.

The electrical plan will include photo cell operation controls to light up the public space by the City's schedule. Lighting poles located near the entrance of the pier will be wired for area LED lighting as well as separate always on power supply in the event the City wishes to install security cameras. (Underwater lighting is dependent upon approval by permitting agencies due to benthic habitat)

Site amenities

Pac Comm intends to deliver a facility that is ready to be enjoyed the moment we step off site. Our plans include some features that will ensure the pier is ready for North Miami residents right away.
A Elkay outdoor water station will be installed near the entrance to the pier. This water station features an ADA accessible drinking fountain, a water bottle filling station and a pet drinking fountain. This unit is a sleek corrosion resistant fixture that will require little maintenance.
Trash and fishing string receptacles will be installed strategically on the pier to ensure trash and fishing string are disposed of properly and do not enter the environment.

Option 2

Pac Comm's second option approaches the construction of the Bayshore Pier in a more cost conservative manner. The same design will be constructed using a mainly timber system in a traditional style. Blocks will elevate the pier substructure above the previous finished elevation to prevent future washouts in storm surge conditions. A timber substructure will support a wooden deck and railing system. The pier will be constructed using pressure treated southern pine, a dependable product that will provide years of service. Although a lower initial cost, wood products will require a regular maintenance schedule to be performed by the city. To ensure a strong safe structure all hardware and brackets used in the Bayfront Pier will remain marine grade 316 stainless steel.

ENVIROMENTAL PROTECTION/COMMITMENTS

Mangrove Protection and trimming

Prior to commencing any work and in order to prevent unnecessary damage to the native vegetation, Pac will trim the mangroves and any evasive species within the pier footprint as per permit requirements. This will require the services of a State certified Arborist. Pac will contract with Bill Fowler of Prestigious Tree Service of Miami. Mr. Fowler has been a state certified Arborist for 20 years with a specialty in south Florida native trees.

Floating Turbidity Barriers

Floating turbidity barriers will be used as the work progresses, in total approximately 150' of type I floating barriers will be deployed and moved as needed without causing impacts to the surrounding environment. This will prevent the potential risk of trimmed vegetation floating away and or construction debris from entering Biscayne Bay. This barrier will become part of our permit submittal as it is required for all construction work within Florida waters.

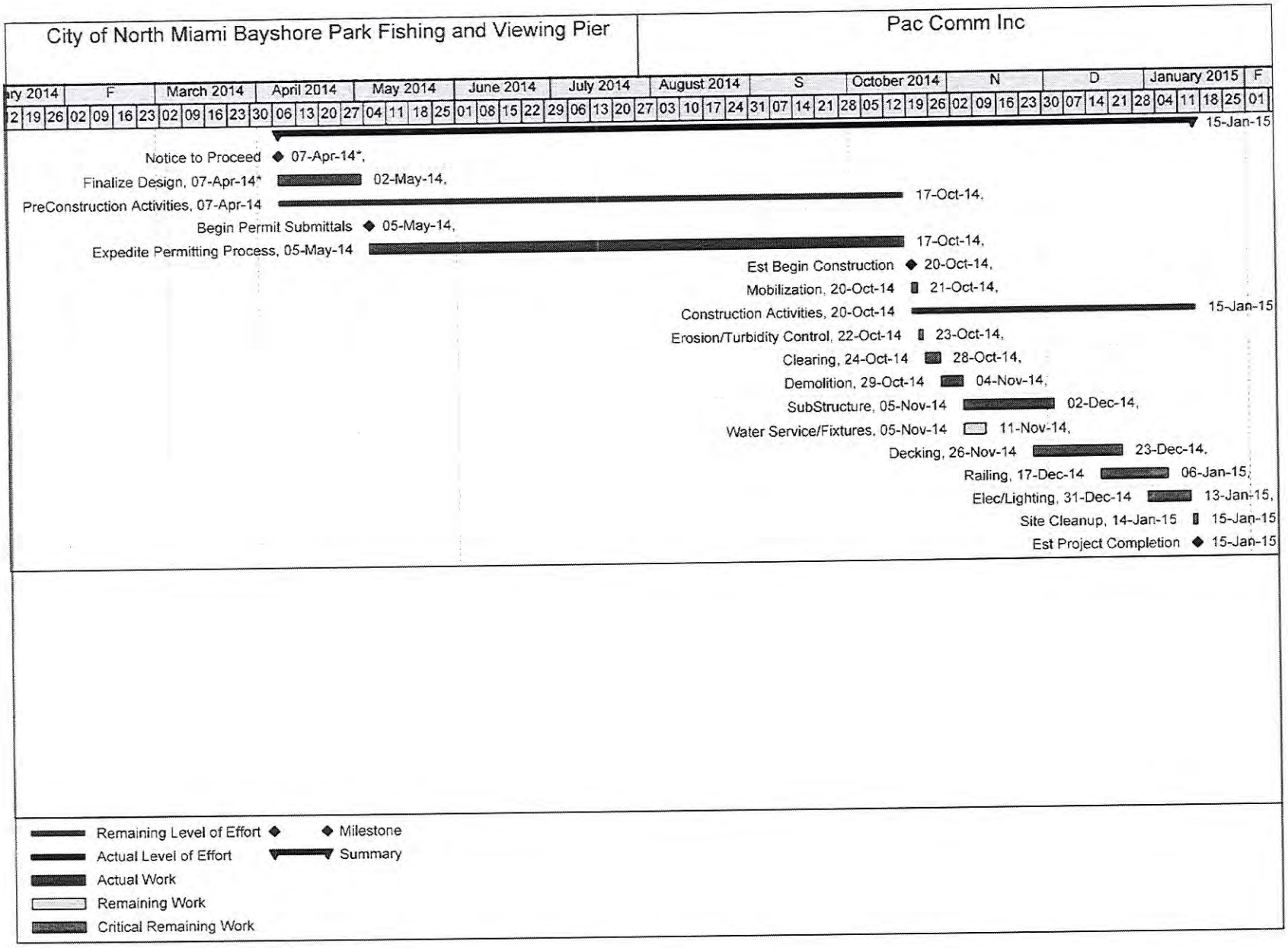
Site Clean-Up

During project activities great care will be taken to prevent any construction wastes from entering Biscayne Bay. In addition to floating turbidity barriers, on site personal will make regular inspections to ensure the systems in place are working as designed. Once our project has reach completion, Pac Comm workers will perform a water and shoreline cleanup of the job site and immediate areas. This guarantees that Pac Comm will leave Bayfront Park cleaner than we found it and ready to be enjoyed by the residents of North Miami Beach.

Encouraging Sustainable Practices

Pac Comm encourages sustainable construction practices that protect and improve the environment. Material suppliers for this project were chosen for their quality products and commitment to sustainability. Sustainability by using recycled material, efficient use of resources, or by providing products with exceptional performance in the marine environment.

Project Schedule


City of North Miami Bayshore Park Fishing and Viewing Pier
Pac Comm Inc
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June 2014
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August 2014
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15-Jan-15
Notice to Proceed 07-Apr-14*,
Finalize Design, 07-Apr-14* 02-May-14,
PreConstruction Activities, 07-Apr-14 17-Oct-14,
Begin Permit Submittals 05-May-14,
Expedite Permitting Process, 05-May-14 17-Oct-14,
Est Begin Construction 20-Oct-14,
Mobilization, 20-Oct-14 21-Oct-14,
Construction Activities, 20-Oct-14 15-Jan-15
Erosion/Turbidity Control, 22-Oct-14 23-Oct-14,
Clearing, 24-Oct-14 28-Oct-14,
Demolition, 29-Oct-14 04-Nov-14,
SubStructure, 05-Nov-14 02-Dec-14,
Water Service/Fixtures, 05-Nov-14 11-Nov-14,
Decking, 26-Nov-14 23-Dec-14,
Railing, 17-Dec-14 06-Jan-15,
Elec/Lighting, 31-Dec-14 13-Jan-15,
Site Cleanup, 14-Jan-15 15-Jan-15
Est Project Completion 15-Jan-15
Remaining Level of Effort
Milestone
Actual Level of Effort
Summary
Actual Work
Remaining Work
Critical Remaining Work

Estimated Project Duration

From our preliminary schedule, we expect the North Bayshore Fishing and Viewing Pier project to last 281 calendar days. One month after notice to proceed our finalized plans with the City of North Miami should be finalized and ready to be submitted to the appropriate permit agencies. Permit approvals may take up to 6 months. Actual construction of the North Bayfront Pier will last approximately 3 months.

#8- Qualifications & Experience

RELEVANT WORK

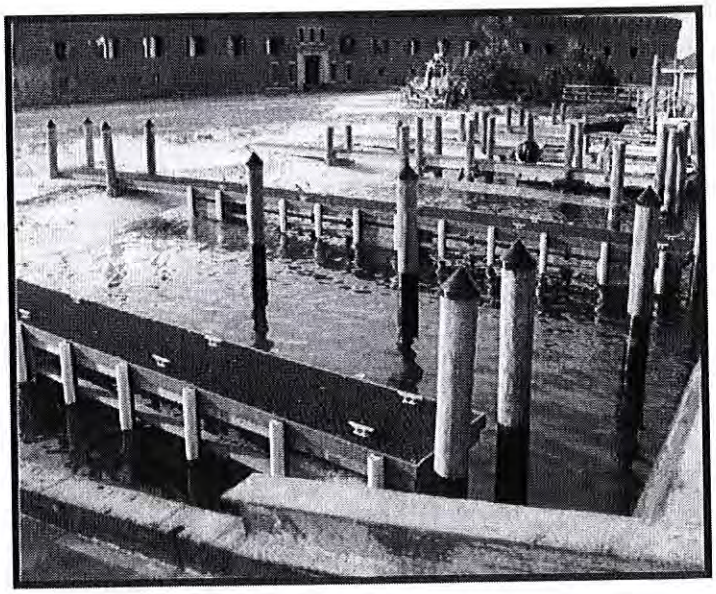
Following are some of the projects that have been completed or are in process and are similar in scope to the North Miami Fishing and Viewing Pier project

Qualification and Experience

Fort Jefferson Dock & Pier Replacement- Dry Tortugas

Department of Interior– National Park Service– Role: Subcontractor
Contact: Jay Cashman, Inc– Kyle Grindle– 617-890-0600
Project Value: $ 512,000.00
Start Date 4-28-11
Finish Date 6-28-11
Project Highlights:

- Value Engineered and Provided a Cost Savings of 20%
- Pile driving within an environmentally sensitive area
- Demolition of existing piles and piers
- Installation of concrete support piles
- Installation of pre-drill of pile holes as per DOT specs
- Forming and pouring of concrete pile caps
- This project was located at Fort Jefferson which is in the Dry Tortugas Marine Sanctuary, 70 miles west of Key West, Florida.

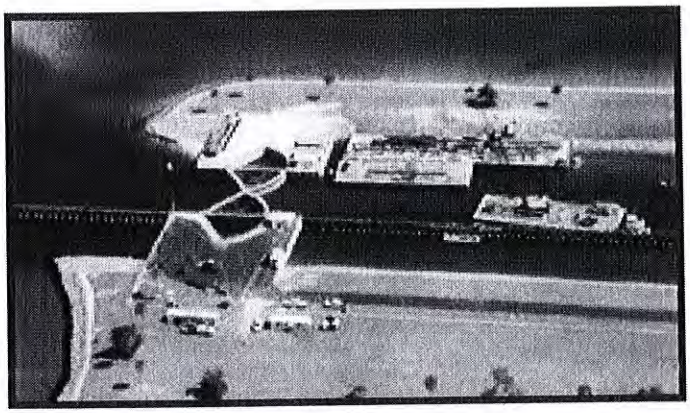


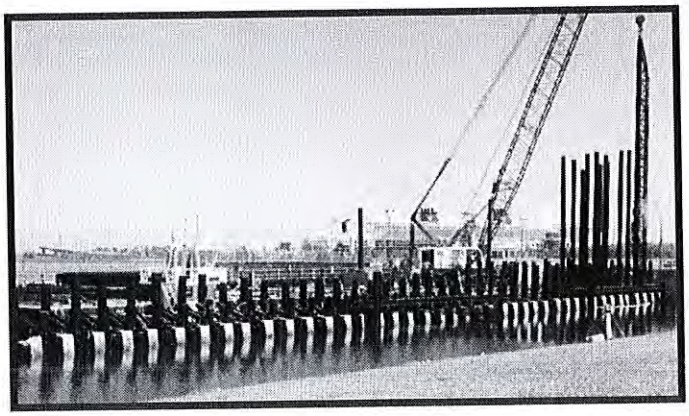
Qualification and Experience

SOUTH CHAMBER GUIDEWALL REPAIRS CANAVERAL LOCK AND BARGE CANAL- CAPE CANAVERAL

Department of The Army
Role: Prime
Contract # W912EP-12-R-0020
Contract: Richard Thomas– 904-398-8071
Project Value: $2,425,000.00
Start Date 11-26-12
Finish Date 10-15-13
Project Highlights:

- Guidewall Repair
- Fender and Hardware Installation
- Environmental awareness while maintaining productivity
- Dismantling and Demolition of creosote pile structure
- Installation of Lancaster Pile System
- Designed the pile driving criteria and installation plan for 200 18" concrete fender piles.
- Electrical





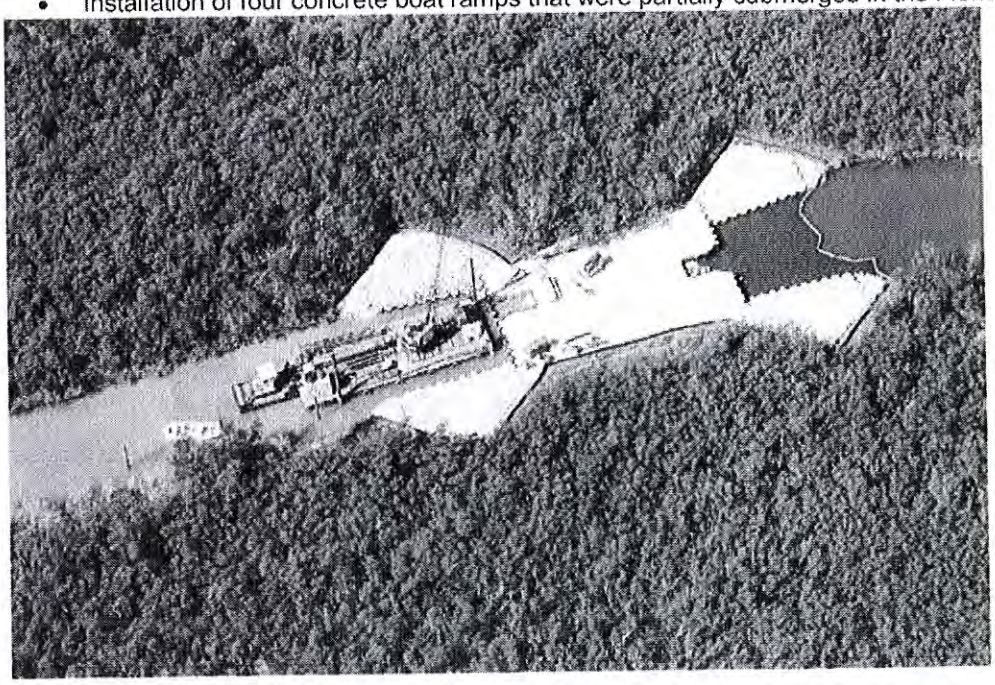
Following are some of the projects that have been completed or are in process and are similar in scope to the North Miami Fishing and Viewing Pier project

Qualification and Experience

EAST CAPE & HOMESTEAD CANAL DAMS

United States Department of Interior-National Park Service– Role: Subcontractor
Contract # 1443N2011100030
Contract: Chris Sheedy– Jay Cashman– 617-890-0600
Daniel Levy– URS– 561-994-6500
Project Value: 6,000,000.00
Start Date 10-1-2010
Finish Date 3-1-2011
Project Highlights:

- Project was on bid build. Pac Comm, Inc. designed the pump system that included 1.5 miles of pipeline to hydraulically pipe aggregates into the two dams. The Homestead dam was too remote to bring in sand productively any other way.
- Working in environmentally sensitive wetland area
- Clearing and grubbing
- Working around endangered species
- Each dam required approximately 490 lf of sheet sheeting– sheets were 22 feet in length. These were driven through a layer of limerock to a depth of 20 feet.
- 2,000 tons of rip rap stone was placed around adjacent land areas and along the steel sheeting of each dam. All Rip rap was transported with specially designed shallow draft barges and push boats and navigated thru channels where water velocity was in excess of 15 feet/second
- Silt fencing
- Ramp Structure was constructed at the end of each bulkhead to provide access for kayaks and canoes
- Installation of four concrete boat ramps that were partially submerged in the Florida Everglades.



Qualification and Experience

WATERWAYS AT QUIET WATERS HOA SHORELINE RESTORATION

South Florida Resource Conservation & Development Council, Inc.
Role: Prime
Contract # 403-A38-B-01, Deerfield Beach, Florida
Contract: Wes Scott– 305-246-4319
Project Value: $1,788,000.00
Start Date 3-29-12
Finish Date 10-29-12
Project Highlights:

- Clearing and grubbing of existing shoreline
- Laser grading of shoreline slopes
- Installation of 9,000 lf of ASB 8" concrete mats
- Subaqueous installation of fabriform concrete mat system used to prevent erosion and washout around culverts
- Erosion Control
- Installation of 1,900 lf of aluminum sheet pile
- Installation of Manta Ray soil anchoring system
- Installation of Articulated block system along 2 miles of shoreline
- Restoration of sod and landscaping along shoreline

Qualification and Experience

MAIN PARK ROAD & HIGHWAY REHABILITATION- EVERGLADES, FL

Federal Highway Administration– Role: Prime
Contract #DTFH71-12-C-0011
Contact: Don McIntosh-239-826-1213
Project Value: $7,600,000.00
Start Date 4-16-12
Finish Date 5-20-13
Project Highlights:

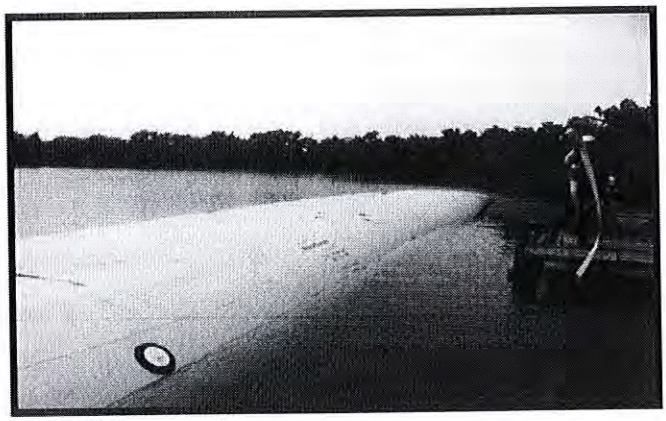
- Roadwork
- Reconstruction and Repaving in Everglades Park
- Asphalt Milling and Repaving
- Roadway Restabilization
- Culvert Reconstruction and Replacement
- Demolition of Piles and Piers
- Raised Pavement Markings/Striping/Road Signage
- Forming and Pouring of Concrete Caps
- Installation of Rip Rap/9.000 LF of ASB 8" Concrete Mats

Qualification and Experience

SHORT TERM REPAIRS TO SIGSBEE MARINE BOAT RAMPS, NAS KEY WEST, FLORIDA

Department of The Navy– Role: Prime
Contract # N69450-13-M-4317
Contact: Melvin Herlehy– 305-797-1648
Project Value: $84,618.00
Start Date 3-8-13
Finish Date 3-22-13
Project Highlights:

- Concrete/Subbase Repairs to boat ramp system
- Used hydro-dam dewatering system in order to achieve an accelerated project completion date required by the NAVY
- Carpentry
- Value Engineered the original design and provided the Navy with a permanent repair at a fraction of the original cost.

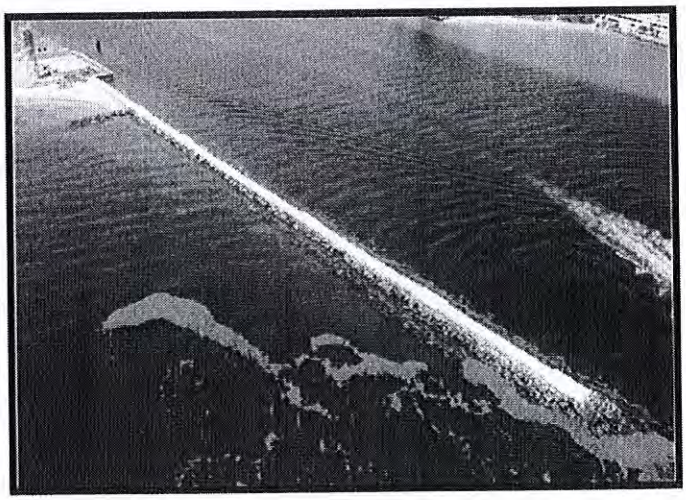


Qualification and Experience

JOHN U LLOYD JETTY REHABILITATION AND SAND PLACEMENT

Florida Department of Environmental Protection
Role: Prime
Contract # DEP#CN100– Project # 60858
Contact: Michael Foster– 850-488-5372
Project Value: $550,000.00
Start Date 1-3-12
Finish Date 3-3-12
Project Highlights:

- Masonry
- Mechanical
- Electrical
- Plumbing
- Miscellaneous Roadwork
- Repairing and stabilizing 990' of jetty system
- Forming and pouring concrete cap over jetty portion
- Dewatering along the Southern portion of the jetty
- Placement of granite boulders
- Placement of ADA Ramps and Fishing Terminals
- Painting



Qualification and Experience

CHANNEL WIDENING AND RETAINING WALL CEDAR HAMMOCK (WARES CREEK)

US Army Corp of Engineers– Role: Prime
Contract #W912-EP-13-C-0009
Contact: Erin Duffy– 863-471-1741
Project Value: $10,000,000
Start Date 3-9-13
Finish Date– Anticipated April 2014
Project Highlights:

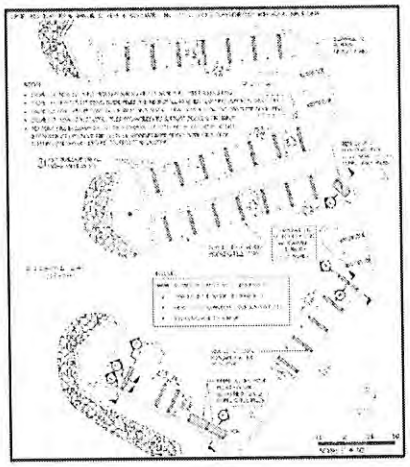
- Demolition
- Dredging and excavation of 40,000 cy of soil
- Design and Installation of sheet pile wall system and earth anchors along 3,000 feet of channel
- Dewatering and channel by-pass
- Placement of granite rip-rap
- Repairs and modifications to 18 drainage structures

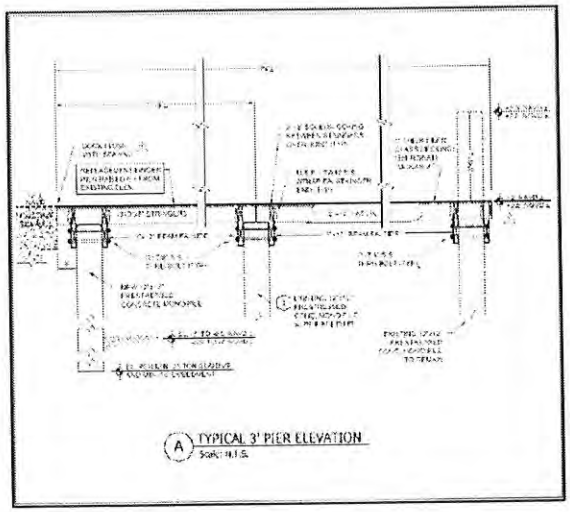
Echo Condominium Bulkhead

OHS was hired as the marine engineer to design a new bulkhead that did not interfere with the upland construction. A cantilevered steel sheet pile design was chosen to handle the loads from the project. The first step in the design process was to survey the existing water depths fronting the project and perform an environmental resource survey. Then the Mean High Water (MHW) needed to be staked to determine the layout of the wall. Next, OHS engineers performed both hand and computer model calculations to simulate the earth loads that would be placed on the structure. An engineering cost benefit analysis was then performed to determine whether a cantilevered design or a batter pile design would be chosen. The owner ultimately opted for the cantilevered option as it had less of an impact on future docking operations that were proposed at the site. OHS then completed the final design drawings and calculations and obtained the building permits for the work. OHS engineers visited the site regularly during construction to ensure an excellent finished product was built.

Elliot Key Marina Design Build – Miami, Florida

Olin Hydrographic was awarded the design and refurbishment for the historic Elliot Key Park located in Biscayne Bay Florida. The State Park serves as a marina for South Florida boaters and has been a popular destination for weekend camping and educational visits by thousands of South Floridians each year. Each of the finger piers was redesigned and raised to account for past construction deficiencies and to give the marina a uniform appearance. OHS handled the engineering calculations for the new structures and obtained the environmental permits for the work. OHS had to design the improvements to work within strict RFP specifications and balance an existing budget with the conveniences of a modern marina. The design was completed within a tight one week timeframe, demonstrating how OHS can perform and meet the client's needs.





US Coast Guard Key West FRC Home Porting Improvements

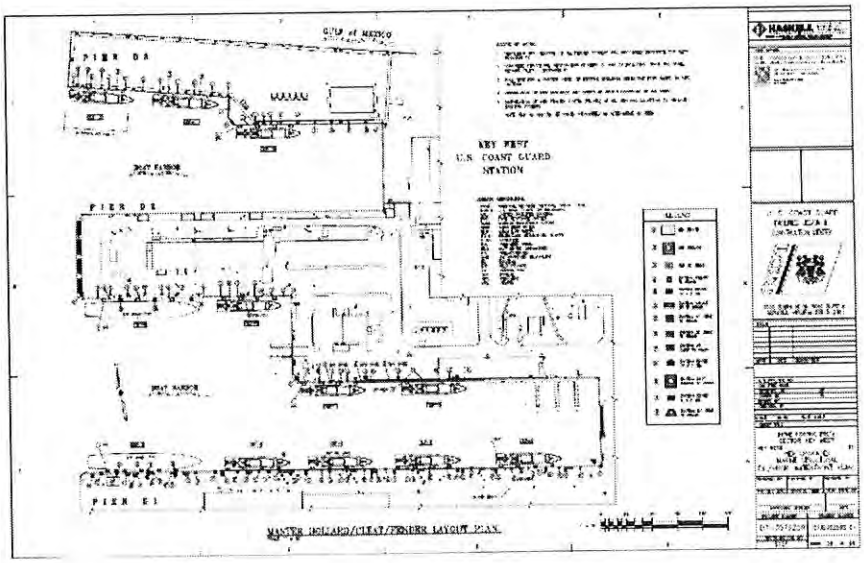
Olin Hydrographic Solutions, inc. was retained as the Marine Engineer for the Project. Scope of work included:

Above and Underwater Facility Inspection: A PE led engineer Dive Team visited the site to assess and document the condition of the existing facility and recommend improvements. The divers performed underwater measurements and photography and assessed the existing concrete and steel integrity.

Evaluation of Existing Moorings: Olin Hydrographic worked with the client to develop and supervise a load test regimen for the existing moorings that were to be retained for the new design.

Wind and Wave Propagation Analysis: Olin Hydrographic assessed the wave energy impacting the mooring area based on the design storm conditions specified for the project. This analysis utilized available existing data relative to the deepwater wave climate, fetch distances, and measured bathymetry for the site. The analysis was used in the design the mooring components and fender system.

Mooring Load Analysis: Olin Hydrographic calculated the wind and current load on the vessels for a number of load combinations based on the selected design conditions. The mooring pattern was developed, and a dynamic mooring numerical model was utilized to simulate the design conditions and compute forces in the mooring lines. Once the forces were computed, the line configurations and bollard and cleat layout was established. Loads on the fenders were also estimated to properly design the structural elements of the fenders. A design report was issued for use by the client and construction drawings and specifications were prepared for the improvements. Construction Administration was provided to observe construction progress and to ensure compliance with the design plans.



TEAM EXPERIENCE

Qualification and Experience

STUMPHOLE REVETMENT PHASE VI

Gulf County Board of County Commissioners
Role: Prime
Contract # 003.252/417293-258-01
Contract: Clay Smallwood– 850-227-7200
Project Value: $1,313,510.00
Start Date 2-10-2014
Finish Date 5-15-2014
Project Highlights:

- Installation of 10,000 tons of Armor Stone ranging in size from 3-7 tons each along Cape San Blas Road
- Working in an environmentally sensitive area
- Protection of seagrass and other benthic habitat
- Slope re-grading and filling
- Underwater placement of Gabion Marine Mattress along 330' of shoreline
- Placement of 10,000 tons of Granite Armor Stone imported from Georgia to meet project specifications

Qualification and Experience

John Huit
Senior Project Manager

PROFESSIONAL PROFILE

- Successful, team-oriented project management professional with more than 25 years of experience managing and delivering engineering and construction solutions for transportation infrastructure, water/wastewater treatment, desalination, marine, industrial and commercial projects to private and government clients across the globe.
- Respected leader of project teams focused on delivering value to all stakeholders through the use of proper planning and problem solving skills to achieve the right balance of risk and reward.
- Broad based skill set developed through experience across both the technical and commercial execution of new projects and sales support during the development phase.

PROFESSIONAL EXPERIENCE

Project Manager, Pac Comm. Inc Miami, FL

- Schedule preparation and resource forecasting for engineering and other technical activities relating to the project.
- Prepare and Submit contract specifications and plans.
- Assure the accuracy of financial forecasts, which tie-in to project schedules.
- Ensure that projects are completed according to project durations and constrains.
- Manage project team resources and training.
- Inter-discipline coordination and overall quality control of the work. Review daily reports that are in compliance with contract specifications.
- Review As-built drawings.
- Review and present all correspondence to the corresponding agency. Request for Information (RFI), Correspondence letters, Change Orders, Contract Modifications (with proposed engineered solutions form Contractor)

Current Projects:

Channel Widening, Wares Creek (ACOE) $10.0M
- Dredging, Sheet Pile Driving, Cast-In-Place Concrete, Soil Anchors

Rockerman Canal Improvements (City of Miami).....$392K
-Shoreline Restoration, Removal of exotic and invasive vegetation, site grading, minor dredging, replacement, repair and installation of rip rap, planting of native species and removal, trimming and planting of mangroves

Stumphole Revetment Phase VI (Gulf County Board of County Commissioners).....$1.3M
-Sitework, Earthwork, Armoring, Clearing and Grubbing, Excavation and Grading

Finished Projects:

South Guide wall repair, Cape Canaveral (ACOE).....$2.75M
- Pile Driving (Crane-Barge), Carpentry, Concrete.

Director and Project Manager, Global H2O Investments ("GHI") **2009-2012**
Houston, TX (satellite office in Sarasota, FL)

- Directed and coordinated the required Design-Build/EPC contract, Operation & Maintenance contract , Project Finance and Asset Management components into a cohesive, turnkey service.
- Managed the on-going partnership processes including activity scheduling, project vetting, information exchange (RFI's,submittals), preparation of monthly management reports, partnership meetings.

Vice President/Project Director, Doosan Hydro Technology ("DHT")
Tampa, FL **2006-2009**

- Managed a staff consisting of 5 project managers, 4 project engineers, 3 member project control team, 4 member commissioning team and 7 member cost estimating team.
- Provided leadership, strategic direction and day-to-day oversight of project development for DHT's membrane based service offerings to the industrial and municipal sectors in North America, South America, MENA and Asia.
- Developed and managed project development plans, winning strategies, project vetting processes, cost estimation and proposal development. Developed short and long term strategic business plans.
- Managed a staff of 4 regional business development managers, 7 member cost estimating team and 3 member proposal/marketing team.

Senior Construction Manager, Parsons Water & Infrastructure Corp **2005-2006**
Pasadena, CA (regional office in Tampa, FL)

- Performed construction management support functions for port infrastructure contracts including document control, client management, cost control & reporting, scope/change management, scheduling and reporting, subcontract management. Supported business development, proposal preparation and cost estimating of municipal water treatment and wastewater treatment pursuits.
- Projects included Augusta Wastewater Treatment Plant Expansion CM at Risk ($80M); Busan New Port Phase I Container Terminal – Owner's Technical Representative Services ($800M); Jebel Ali Phase I Container Terminal Program Management ($500M); Punta Cana Breakwater and Beach Renourishment Construction Management ($10M).

Director of Construction-Civil Group, The Haskell Company- Jacksonville, FL **2003-2005**

- Construction Manager for a $40 million Design-Build contract for the simultaneous construction of two large rest area facilities on Interstate 95 near Stuart, Florida for the Florida Department of Transportation. The project included the engineering and design, procurement, demolition and reconstruction of four buildings, water and wastewater treatment plants, utilities, drainage, landscaping, parking areas and highway ramps consisted of the placement and finishing of 18,000 cubic yards of concrete paving.
- Project Director of a quantity based contract for the U.S. Navy at the Portsmouth Naval Shipyard for the total reconstruction of an operating nuclear submarine dry dock support building and utilities.

Senior Project Manager, Weeks Marine, Cranford, NJ **2002-2003**

- Site Project/Construction Manager and cost estimator for multiple heavy civil and marine construction projects in New York City and northern New Jersey. Projects included the $80 million reconstruction of Container Berths 88 – 92 at the Maersk Container Terminal, Port Elizabeth, NJ; the $25 million replacement of crude oil/LNG dock A-10 at the Astoria Generating Station, Queens, NY; the $10 million Design-Build heavy concrete and structural steel demolition and replacement of an oil tanker berthing

facility for Gordon Terminals in Bayonne, NJ; and the installation of a high speed passenger ferry berthing platform for the New York City Economic Development Council in Manhattan, NY.

- Responsibilities included contract set-up, scheduling, cost control & reporting, procurement, subcontract management, client management, direct labor supervision (union), equipment management, project invoicing, scope/change order management and negotiations, document control, quality control and safety management.

Senior Project Manager, Durocher Dock & Dredge- Jacksonville, FL 1996-2002

- Project Manager, site construction manager and cost estimator for multiple marine and heavy civil construction projects throughout the Southeastern USA and Caribbean. Projects included: $75 million design-build AES Oil/LNG unloading pier and outfall - Dominican Republic; South Cargo Pier #2- Port Canaveral- Concrete demolition, USACE Miami offshore breakwaters and artificial reef; Georgia Port Berth 3; Tampa Port Berth 30; Canaveral Port SCP 4, SCP 1, Cruise Terminal 5, NCP 1, Cove Bulkhead, USAF Boeing wharf; Tampa Riverwalk; US Gypsum unloading pier; FDOT Racetrack Road bridge; FDOT NSB bridge repairs; FDOT Milton bridge strengthening; FDEP erosion control groins; Atlantis Resort, Bahamas - $ 30 million cut/cover CIP vehicle tunnel, pile foundations, bulkheads, beach renourishment, pedestrian bridges; Nevis hurricane protection/rehabilitation.
- Contract delivery methods included: Design-Build, Bid-Build, Engineer-Procure-Construct, Unit Price and Gmax. Contracts ranged in value from $2 million to $75 million. Successfully managed in excess of $500 million in contract value as senior project manager.
- Responsibilities included contract set-up, scheduling, cost control & reporting, procurement, subcontract management, client management, direct labor supervision, equipment management, project invoicing, scope/change order management, document control, quality control and safety management.

Operations Manager, The Empire Construction Company- Baltimore, MD 1992-1996

- Project manager, cost estimator and business manager for regional marine and heavy civil construction contractor in Maryland, Delaware, and Virginia. Executed civil, bridge and marine projects for the following major clients: Maryland Port Authority, Delaware Port Authority, Maryland State Highway Admin, Whiting Turner, SCM Chemicals, FMC Chemicals, USACE.

Project Manager, Centrig Industries, Inc.- Millford, CT and Charlotte, NC 1988-1992

- Cost estimation and project management of numerous industrial rigging, millwright and process piping projects throughout the northeast and southeast USA.

EDUCATION/CERTIFICATIONS

- Bachelor of Science – Business and Economics, 1986 - Major: Finance
  Lehigh University – Bethlehem, PA

SPECIAL SKILLS

- Microsoft Office, Internet searches, troubleshooting computer software
- Oracle Primavera P6 - Advance
- MS Project
- Contract Manager
- Hard Dollar
- Deltek
- HCSS
- Autodesk AutoCAD, 2D Drawing- Skilled

Qualification and Experience

DAVID JUELLE, Chief Operating Officer

PROFESSIONAL PROFILE

- Twenty years of successful execution of projects in the fields of: marine construction; hydraulic and mechanical dredging; erosion control; environmental remediation; demolition; earthwork for bridge and road construction; drilling and blasting.
- Has acquired an ample know-how in: planning; means and method selection; budget preparation; project management; and health & safety.
- Specializes in logistically challenging projects including sectional and ABS barges within the U.S. and Caribbean.
- Well versed in shallow draft barge setups and navigation.

PROFESSIONAL EXPERIENCE

Chief Operating Officer (COO), Pac Comm. Inc – Miami, Florida **Dec 2009-Present**

- Manages and oversees all company projects.

Current Projects:

Channel Widening, Wares Creek (ACOE) $10.0M
- Dredging, Sheet Pile Driving, Cast-In-Place Concrete, Soil Anchors

Rockerman Canal Improvements (City of Miami) $392K
-Shoreline Restoration, Removal of exotic and invasive vegetation, site grading, minor dredging, replacement, repair and installation of rip rap, planting of native species and removal, trimming and planting of mangroves

Stumphole Revetment Phase VI (Gulf County Board of County Commissioners) . $1.3M
-Sitework, Earthwork, Armoring, Clearing and Grubbing, Excavation and Grading

Finished Projects:

South Guide wall repair, Cape Canaveral (ACOE) $2.75M
- Pile Driving (Crane-Barge), Carpentry, and Concrete

General Construction, Key West (NAVFAC) $663K
- Soundproofing, Repair work Elevator Shaft, Sigsbee Dock and Ramp repair, Spiracone Earthwork, Trenching, Electrical.

Repaving of Everglades National Park (FHWA) $7.50M
- Earthwork, Shoulder Stabilization, Repaving.

Shoreline Restoration, Waterways (Private) $1.80M
- Shoreline Protection & Stabilization, Boat Ramps.

John U. Lloyd (FDEP) $0.50M
-Repair and stabilization of the Jetty, Cast-in-place Concrete, Riprap.

Fort Jefferson, Dry Tortugas Dock and Pier Construction $350K

Everglades National Park East Cape & Homestead Dam $6.1M

Vice President of Field Operations, AA Engineering Services, Inc., **2005 - 2009**

- Managed and directed all company projects in marine construction, dredging, and erosion control. Including:
  - Pile installation (pre-stressed concrete, sheet, vinyl, and auger cast)
  - Construction of docks and seawalls (concrete and riprap cement)
  - Bridge fender system installation and repairs
- Directed the reconstruction of the 1890 linear foot seawall and park renovation at Bryant Park along the ICW.
- Oversaw:
  - The installation of a 600 ft riprap wall at the Broad Canal for the City of South Miami
  - The dredging and flow control project at Sleepy River for the City of Oakland Park, FL
  - The reconstruction of the Brickell Biscayne Marina and its bulkhead
- Open water dredging projects included:
  - Island Estates, Aventura, Florida (22,500 cy) hard bottom dredging
  - The Sea Isle Marina dredging and contaminated soil remediation project (5,000 cy)
  - The Broward Street Boat Ramp for Martin County (2,500 cy)
  - The basin at Sailfish Marina (5,500 cy) and the Chapman finger channel for the school of Seamanship and various homeowners
- Completed work for HOA's including:
  - Four Rivers (4,500cy)
  - Circle Bay (5,500 cy)
  - River Forest (4,000cy)

Dredging Consultant, All Terrain Earthmovers, Inc **2004 – 2005**

- Successfully managed the Poppleton Creek hydraulic dredging project (35,000 CY)
- Managed the operation of a CDF (Confined Disposal Facility) for the City of Stuart, in Martin County, Florida.
- Restoration of the Oyster Bed as part of the mitigation for the dredging project

Estimator/Project Manager, American Contractors Inc. **2000- 2004**

- Performed estimating, project management and site supervision of dredging and soil remediation projects in inland canals and in navigable waters.
- Implemented traffic control, safety & hazard communication programs.
- Successfully Completed multiple canal dredging projects for Miami Dade County DORM including:
  - The Golden Glades
  - The Kendal Spur
  - The Graham Dairy A,B,C,D (cumulatively over 100,000 cubic yards)

Assistant General Superintendent, Jusor Corp, Mayagüez, Puerto Rico **1994-2000**

- Managed numerous projects for the Puerto Rico Highway Authority involving highway construction, bridge demolition, river restoration, and erosion control devices including:
  - Two waste reduction sites during Hurricane Georges cleanup

- Demolition of Colloso Bridge on State Road PR2- PR10 Bridge over the Portuguese River (400 ft span) including the blasting, excavation, and crushing of more than 800,000 tons of granite rock as well as the installation of over 100,000 tons of riprap and gabions along the shoreline

- Production Manager for Cantera Aguadilla and Cantera PR-10 subsidiary's of Jusor Corp that provided aggregates for The Puerto Rico Highway Authority.

CERTIFICATIONS

- Seminars in construction, excavation, MOT, health and safety, and in the operation and management of heavy construction equipment.
- Self directed studies in dredging technologies, remediation, erosion control, sand mining operations, drilling and blasting.
- University of Puerto Rico Mayaguez Campus, Land Surveying Technician
- Primavera P-6 Course 102 Project Management
- OSHA-40

Qualification and Experience

FRANCISCO GUARIN, SSHO/QCM

PROFESSIONAL PROFILE

- More than twenty five years of successfully overseeing all phases of construction infrastructure, including Supervision and coordination of OSHA safety personnel and (MOT) traffic control safety programs.
- Experience managing: FEMA, Miami Dade County and New Jersey Department of Transportation (DOT) funds for government and private-sector clients. Responsible for all contractors OSHA safety inspections as well as safety programs for FEMA.
- Experience includes managing crews of up to 20 consultant inspectors in The FEMA Bank-Culvert Restoration Program Canal Clean up.
- Expertise in Safety/construction-marine areas such as: seawalls, bridge restorations, and marine construction. Company competent person as a safety officer to enforce OSHA regulations.

PROFESSIONAL EXPERIENCE

SSHO/Quality Control, Pac Comm Inc. **2010- Current**

- Oversee project Safety during construction phases, marine construction and site work. Develop the duties of SSHO or QCM, as needed, and both in cases where applicable.

Current Projects:

Channel Widening, Wares Creek (ACOE) $10.0M
- Dredging, Sheet Pile Driving, Cast-In-Place Concrete, Soil Anchors

Rockerman Canal Improvements (City of Miami) $392K
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Repaving of Everglades National Park (FHWA) $7.50M
- Earthwork, Shoulder Stabilization, Repaving.

Shoreline Restoration, Waterways (Private) $1.80M
- Shoreline Protection & Stabilization, Boat Ramps.

John U. Lloyd (FDEP) $0.50M
-Repair and stabilization of the Jetty, Cast-in-place Concrete, Riprap.

Project Manager, AA Engineering Services **2007- 2010**

- Responsible for lead all work of seawalls, bridge restorations, and marine construction for all South Florida, private and government agencies. Enforce OSHA regulations as a safety officer.
- Responsibilities included: Supervise and coordinate all traffic safety (MOT) and safety regulations (OSHA) of each project. Project management of seawall / bridge restoration, marine construction, and dredging projects located throughout Florida for government and private agencies.

Project Manager, Miami-Dade County- EBS **2006- 2007**

- Miami-Dade County DERM FEMA Canal Clean up and Bank-Culvert Restoration Program.
- Competent person for FEMA Agency, enforce OSHA regulation during the FEMA Canal cleaning.
- Oversaw all aspects of the Canal and Culvert Cleaning Program, including Banks and Culvert Restoration.
- Responsible for all (MOT) traffic control safety and Safety OSHA regulations throughout The FEMA canal cleaning program.
- Coordinated and supervised all labor, materials, equipment, tools and all performing operations necessary to remove and dispose debris generated by Hurricanes Katrina and Wilma, from within and around the canals and right-of ways.

Project Manager, Miami-Dade County-Williams Russell & Johnson, Inc. **2003 – 2006**

- Miami Dade County DERM FEMA Canal Dredging and Bank-Culvert Restoration Program.
- Responsible for all (MOT) traffic control safety and Safety OSHA regulations throughout The FEMA canal cleaning program.
- Enforce all contractors comply with safety regulations. OSHA and MOT Traffic control for safety program.
- Oversaw all aspects of the dredging and restoration of Miami Dade County Canals.
- Coordinated and supervised the disposal of non-contaminated sediments resulting from the dredging operation with The Miami-Dade North Dade Landfill.
- Responsible for revising and accepting contractor quantities, and payment requests.
- Responsible for scheduling, attending and documenting construction progress and ensuring contractor adherence to the contract plans and specifications.

Gannett Fleming, Inc., South Plainfield, NJ **1986 – 2002**

- **Traffic Control Safety (MOT) and Safety OSHA regulations**: Construction engineer for the Verrazano and George Washington Bridges during their restorations. Responsible for all (MOT) traffic control safety and Safety OSHA regulations throughout the bridge restorations.

- **CEI Assistant to Project Engineer** on all aspects of the construction project. Supervise inspectors, survey parties, soils and materials samplers and testers, and other technicians and workers on the job. Ensure OSHA regulation for safety in all projects.

- **Highway Engineer.** Provide assistance to the Project Engineer on all aspects of the design process. Responsible for the evaluation of roadway geometry, cross-sections, grades, guardrail design, and other related items. Some of the main projects included:

- **Districtwide PD&E Studies** - Design Build for US 1/SR 5 from Key Largo to Card Sound Road, FDOT; and Sprain Brook Parkway, Yonkers, NY, NYDOT

EDUCATION/CERTIFICATIONS

- B.S., Engineering Construction Technology, Colombian Polytechnic Institute of Technology
- Construction Scheduling, Colombian Polytechnic Institute of Technology
- NYDOT Hot Mix Asphalt Training, HMA Superpave
- Consultant Resident Engineer Orientation, New Jersey DOT.
- Formal training in Maintenance and Protection of Traffic/Worksite Safety, NJ & NY DOT
- American Concrete Institute Certification
- Nuclear Gauge Safety Training, #903
- 30 Hr OSHA Construction Safety and Health certification
- Competent Person Fall Protection Certification
- FDOT Advanced Work Zone Traffic Control, Certification #046-G650-250-55
- National Institute for Certification in Engineering Technologies, NICET Level IV
- FDOT Advanced Work Zone Traffic Control, Certification #046-G650-250-55
- U.S. Army Corps of Engineers: Construction Quality Management for Constructors. SE9-01-12-00182

KEY SKILLS

- Site Safety / OSHA Compliance
- Site Safety Fall Protection
- Decks, Docks Marine Constructions
- QA / QC / Field Engineering
- Budgeting & Cost Control
- Infrastructure Improvement Projects.
- Environmental Remediation Projects

Professional Details

Years of Experience: 15
Education: M. E. Civil Engineering, University of Florida, 1997; B.S., Civil Engineering, University of South Florida, 1995

Professional Registrations:
Professional Engineer: Florida, (57555); Civil/Coastal Engineer

Professional Certifications and Registrations: PADI, Advanced, Nitrox, and Rescue Certified Diver
FAA Private Pilot Certificate, FAA Commercial Pilot Training
FSBPA, Florida Shore and Beach Preservation Association
WEDA Western Eastern Dredging Association
MTS Marine Technology Society

Relevant Experience

- Owner of Olin Hydrographic Solutions, inc.
- Lead Engineer Diver on 50+ underwater engineering inspections.
- Lead Hydrographic Surveyor on 100+ projects.
- Senior Marine Engineer on numerous large-scale, multi-million dollar Port and Marina projects in South Florida and the Caribbean

David Olin, P.E.

Marine Engineer, Engineer Diver, Hydrographic Surveyor (Olin Hydrographic Solutions)

Project Experience

Mr. Olin has over 15 years of experience working with civil, coastal and environmental projects in Florida, Central America, and throughout the Caribbean. Mr. Olin has demonstrated expertise in waterfront engineering, surveying and mapping, environmental monitoring and mitigation, and oceanographic studies. Mr. Olin's strong diving and boating background combines with his engineering, surveying and environmental education to make him uniquely qualified in the field of coastal engineering and mapping.

Surveying and Mapping: Mr. Olin has performed upland and hydrographic surveys for a variety of projects including beach monitoring, construction stakeout, coastal structures, inlets, pipeline corridors and dredging. He has demonstrated expertise with a variety of hydrographic equipment including single beam echo sounders, multibeam sonar, sub bottom seismic profiling, differential GPS, real time kinematic GPS, electronic tide gauges, sound velocity meters, towed cameras, and side scan sonar. Mr. Olin is proficient in the use of surveying software including Coastal Oceanographic's *HYPACK MAX*, Trimble's *HYDROPRO* and *TRIMBLE GEOMATICS OFFICE*, *AUTOCAD*, CIVIL CAD 3D, *SOFTDESK*, *TDS SURVEYLINK*, *CORPSCON* and *TERRAMODEL*.

Waterfront Engineering: Mr. Olin specializes in waterfront engineering projects. He has acted as lead investigator and head engineer on a variety of shoreline improvement projects, including bulkheads, seawalls and docking facilities. His experience includes inspection and rehabilitation of existing structures as well as design and engineering of new structures. Project size spans from small single-family home bulkheads and docks to large 100+ slip commercial marina facilities and ports.

Key Abilities

- Extensive knowledge of waterfront improvement projects including Ports.
- Experience in underwater structural inspections, construction supervision, design drawings.
- Authored over 40 Bulkhead Inspection Reports
- Expert Witness Testimony

Environmental Assessments: Mr. Olin also has an extensive environmental background, specializing in the areas of nearshore marine ecosystems and coral and seagrass mapping and relocation. Masters course work in stream and lake ecology and biological habitat mapping aid him in this field. He has served as lead investigator and coauthor on numerous Environmental Impact Assessment Reports in Florida and the Caribbean over the last 15 years. His working knowledge of environmental monitoring equipment includes towed underwater cameras, meter quadrants, turbidity gauges, salinity conductivity and ph gauges, sechii discs, and chemical and microorganism water quality sampling devices.

Project Management: Serving seven years as a project engineer and the Field Operations Department Manager for a 50+ person coastal engineering firm, he led teams of surveyors, biologists, and engineers on virtually every project related site investigation the firm undertook. In this capacity, his responsibilities included costing, planning, scheduling, and monitoring production of the field team towards a timely, cost efficient, and quality comprehensive study. He was the individual primarily responsible for the preparation of the firm's Environmental Impact Assessment Reports. He also served as the liaison between the firm and the client in understanding the project requirements and ensuring that the final deliverables accurately met the clients' needs.

Underwater Investigations: Mr. Olin relies on his extensive diving background when he performs his underwater mapping and inspection services. Mr. Olin has over 26 years of diving experience in areas of the Caribbean, Atlantic and Pacific, as well as fresh water rivers and lakes. He relies on this experience when performing environmental resource surveys, marine structural inspections, borrow area investigations, underwater jet probes, artificial reef construction and coral relocations.

Geotechnical Sand Analysis: Mr. Olin has over 15 years experience working on beach renourishment projects using both offshore and upland sand sources. In this capacity he runs a sand analysis lab that is used to determine the suitability of different sand sources for use in beach renourishment.

TECHNICAL AND MANAGERIAL EXPERIENCE	
✓	Marine Facility Assessments
✓	Underwater Inspections
✓	Demolition of Structures
✓	Sheet Pile Driving, Steel Pile Driving
✓	Environmental Mapping and Mitigation
✓	Coral Relocation and Donor Site Analysis
✓	Structural Concrete Repair
✓	Under Water Salvage and Recovery
✓	Extensive Hydrographic Surveying Background
✓	Project Management and QA/QC

- *Port of Miami and Port Canaveral Improvements*
- *US Coast Guard Port Key West FRC Home Porting Revitalization Project*
- *Hillsboro Beach Renourishment Project Borrow Area Investigations, Underwater Video Mapping, Shoreline Surveys, Aerial Photography, Turbidity Monitoring for Great Lakes Dredge and Dock*
- *Watson Island Mega Yacht Marina Project Mapping*
- *Harbour Isle Marina Project, Fort Pierce*
- *Alaskan Apogee Seawall Replacement*
- *Providenciales, Turks and Caicos, IGY Megayacht Marina Design, Bulkhead and Breakwater Design, Nikki Beach artificial Beach, Dredging Design, EIA*
- *Providenciales, Turks and Caicos, Emerald Beach Renourishment, Borrow Area Investigations, Beach Surveys*
- *Providenciales, Turks and Caicos, Dellis Cay Hydrographic Post Hurricane Surveys*
- *Providenciales, Turks and Caicos, Third Turtle Club Dredging and Beach Renourishment (as Marine Contractor), Turtle Cove Hydrographic Survey*
- *Freeport, Bahamas, Cruise Ship Mooring Field Underwater Inspections, Hydrographic Survey, Sub bottom Profiling Survey*
- *Little Stirrup Cay, Bahamas, Coco Cay, Hydrographic Survey, Aerial Photography, Bulkhead and Shoreline Improvements, Royal Caribbean*
- *Punta Cana, Dominican Republic, Cap Cana Bulkhead and Marina Design, Aerial Photography and Hydrographic Survey*
- *Labadee, Haiti, Cruise Ship Mooring Bouy Installation, Hydrographic Survey, Geotechnical investigations, Side Scan Sonar Survey and Current Studies*
- *Punta Rincon, Panama Single Beam, Multibeam, Side Scan Sonar and Seismic Sub Bottom Profile Survey, Minera de Panama*

Florida Seawall and Bulkhead Inspection Reports:

- *Skyline on Brickell Condominium Bulkhead Inspection Report*
- *Fisher Island Bulkhead and Marina Inspection Report*
- *9821 East Bay Harbor Drive Bulkhead Inspection Report*
- *Baylights Development Bulkhead Inspection Report*

- *Hypoluxo Yacht Club Bulkhead Inspection Report*
- *Snapper Creek Marina Bulkhead Inspection Report*
- *Grove Isle Bridge Inspection Report*
- *Gator Harbour West Marina and Bulkhead Inspection Report*
- *Carriage House Condominium Bulkhead Inspection Report*
- *One Miami Bulkhead Inspection Report*
- *5020 North Bay Road Bulkhead Inspection Report*
- *125 E San Marino Terrace Bulkhead Inspection Report*
- *Terrace Towers 3 island Bulkhead Inspection Report*
- *23 Star Island Bulkhead Toe wall Inspection Report*
- *4255 Lake Road Bulkhead Inspection Report*
- *Wind Condominium Bulkhead Inspection Report*
- *One Arvida Bulkhead Inspection Report*
- *Ankara Development Bulkhead Inspection Report*
- *Delray Estuary Condominium Bulkhead Inspection Report*
- *7914 West Drive Bulkhead Inspection Report and Dock Design*
- *Island Point Condominium Bulkhead Inspection Report*
- *Tower 41 Bulkhead Inspection Report/ Repair Drawings*
- *2670 East Sunrise blvd Bulkhead Inspection*
- *Jones Shipyard Miami River Bulkhead Inspection Report*
- *Palm Bay Club Condominium Bulkhead Inspection Report*
- *Edgewater Tower Seawall Inspection*
- *Diplomat Sea Wall Inspection*
- *Colonial Seawall Inspection*
- *Dacra Seawall Inspection*

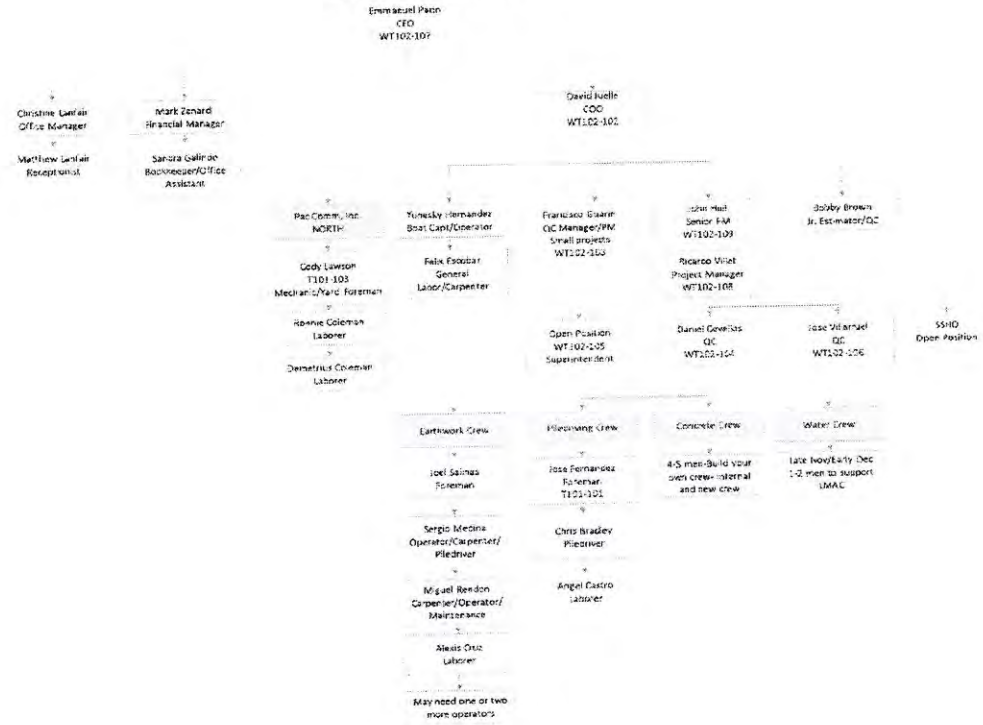
Previous Litigation Experience/ Expert Witness Testimony

Less than 1% of fees from expert witness, 50% plaintiff, 50% defendent

***Biscayne Bay Marriott Marina Lease Transfer Litigation**, circa 1999*
Provided expert witness testimony at deposition on behalf of the defendant, J.W. Marriott corp involving "normal expected wear and tear" at a marina site following a transfer of lease on an existing marina and bulkhead. .

***Roney Palace Condominium vs. W hotel**, circa 2006*
Provided expert witness testimonyat deposition on behalf of the Plaintiff regarding Coastal development and the CCCL. After deposition, defendant settled with Plaintiff

Pac Organizational Chart



#9- Methodology, Approach and Outreach Effort to Contract with Local Respondents and Residents

Local Outreach

While visiting the site for the Bayfront Pier, Pac team members stayed at the park to observe how the local residents utilized the space as it is now. Our team also spoke to some of the people that were there visiting the park. We found the park space being used for a multitude of purposes. The open spaces were ideal for residents walking pets, benches provided a convenient rest stop for people exercising in the area. We encountered people that work nearby stopping to have lunch overlooking the beautiful bay views. Our intentions are to provide a versatile structure that will safely entertain and accommodate a wide variety of residents and their needs. One factor that was brought up by a few passersby was site security, Pac intends to address these concerns in a few ways. First, the Bayfront Pier will be designed so access and lighting can be strictly controlled by city employees. Gates will allow the City of North Miami to set and enforce hours of availability to the open park spaces and pier separately. Lighting will be designed to be flexible in schedule, allowing city employees to activate during park hours, or allow a timer to keep the lights on during set hours of accessibility. We will also prepare the site for the installation of security cameras to be installed at the City's discretion.

Local Business Opportunity

Once awarded contract by the City of North Miami, Pac intends to solicit local residents and their businesses for contracts involved in the construction of the Bayfront Fishing and Viewing Pier. A project sign will be placed onsite encouraging local businesses to contribute to the project in their community. We also plan to run local print ads to source small businesses and carpenters from the surrounding community with special incentives to residents of North Miami Beach. Pac Comm will also approach the City of North Miami to locate preferred local vendors and small businesses to subcontract portions of the North Bayshore Pier project.

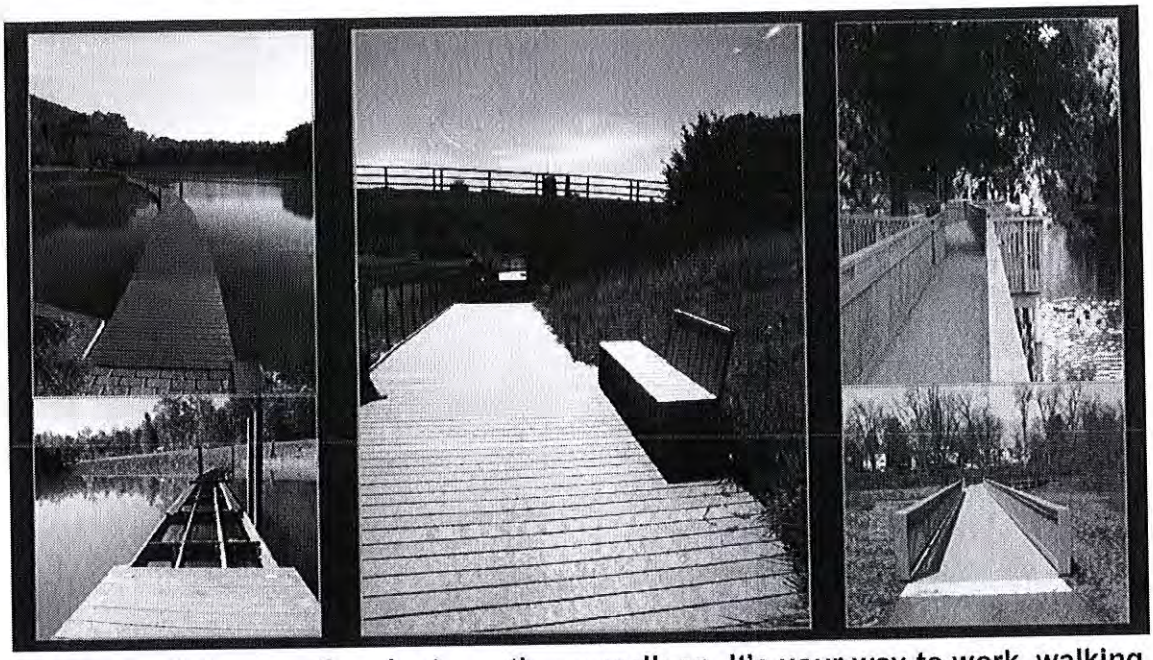
#10- Product Information

BEDFORD
TECHNOLOGY

Experience the Bedford Difference...

"The Environmental Choice"

100% RECYCLED PLASTIC LUMBER BOARDWALKS



A boardwalk is more than just a path you walk on. It's your way to work, walking or jogging path, memory from a vacation or first representation of your company and community. Why use products that require continual maintenance and repair, when you can use Bedford plastic products designed to outlast any wood or wood plastic composites. Our products are maintenance-free, need zero care, and because they do not deteriorate in extreme environments the ongoing cost of treating and repairing materials becomes a thing of the past. Bedford plastic products are durable, versatile, come in various strength grades manufactured using 100% recycled high density polyethylene.

With a choice between a natural or embossed wood-grain finish and an array of UV-stabilized colors, boardwalk designers and builders can be confident that their structures will stay looking good for decades to come – no cracking or chipping, no corrosion, no mold or decay. And, if that still is not enough to convince you to use Bedford's recycled plastic products for your next boardwalk project, then maybe our 50 year limited warranty will.

Visit us at www.plasticboards.com

Decking Profile Span Chart

Profile	Nominal (h x w)	Actual Dimension (h x w)	Longest length Available	Product Grade	Manufacturing Process	OC Span @ 85 PSF
	5/4 x 4, 6, 8	1.13" x 3.5", 5.5", 7.5"	12'	FiberForce®	Molded	24"
	5/4 x 6	1.0" x 5.5"	24'	FiberForce®	Extruded	16"
	6/4 x 6	1.25" x 5.5"	24'	FiberForce®	Extruded	19"
	2 x 6, 8, 10, 12	1.5 x 5.5", 7.5", 9.375", 11.25"	16'	FiberForce®	Molded	24"
	2 x 6, 8	1.5 x 5.5", 7.5"	24'	FiberForce®	Extruded	24"

Spans are figured based on perpendicular decking installation to joist and use of 2x joist material. Add wood grain texture for increased co-efficient of friction. For specific specifications please contact a Bedford sales representative.

Material Comparison

SELECT FORCE FIBER FORCE

Plastic Composite Lumber
Bedford Plastic Products are made from recycled polyethylene, reinforced with chopped glass fiber. It doesn't rot, split or chip, and is ideal for long term immersion in water.

Wood Plastic Composite Lumber
Wood Plastic Composites are wood in a plastic matrix. They overcome some disadvantages of natural timber, but composites will still decay and rot over time, particularly when damp.

Wood
All woods suffer environmental attack, sometimes reduced by periodic chemical treatments. Wood can crack, split and splinter, is eaten by borers and suffers fungal and bacterial decay.

	Wood	Composite	SELECTFORCE® FIBERFORCE®
50-year warranty			✓✓
Insect and borer resistant			✓✓
Rot and decay resistant	*	✓*	✓✓
Load bearing and structural	✓✓		✓✓
Non-splintering		✓	✓✓
Maintenance free			✓✓
Color stability			✓✓
Non-leaching/toxin-free			✓✓
100% recycled feedstock			✓✓
Recyclable	✓		✓✓
Long-term aesthetics			✓✓

** Chemical treatments required*

Bedford's Technology's Green Mission

Diverting plastic from today's landfills

Using recycled products support sustainability of our environment for future generations. Consider 1 pound of Bedford recycled plastic product removes roughly 8 milk jugs from entering our landfills.

Bedford utilized roughly 20 million pounds of plastic in 2012 which equates to roughly 160 million milk jugs. Recycled Plastic Composite lumber is a product that qualifies in LEED design certification.

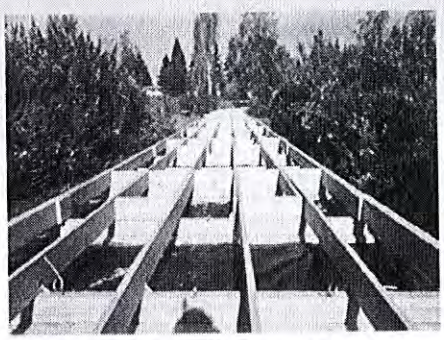
BEDFORD
TECHNOLOGY

Experience the Bedford Difference.....

STRUCTURALLY GRADED RECYCLED PLASTIC

JOISTS & STRINGERS ... POSTS & BEAMS

Reinforced Recycled Plastic Lumber



FiberForce®

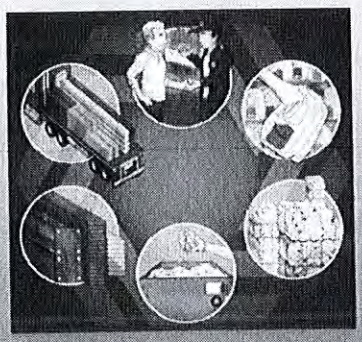
BarForce®

"The Green Environmentally Friendly Choice"

There are many choices for Structural Building Materials in todays market. Bedford Technology has developed an ideal choice for a "Green Environmentally Friendly" solution for **JOISTS** & **STRINGERS** and **POSTS** & **BEAMS**, the SUPPORT COMPONENTS for Outdoor Project Applications.

Our **FiberForce®** (Reinforced with Fiberglass Strands) and **BarForce®** (with added Reinforced Fiber Polymer Rebar) are Structurally Graded for SUPPORT COMPONENTS where Green Environmentally Friendly, Low Maintenance, and Low Life Cycle costs are desired. **FiberForce®** and **BarForce®** are both recycled and recyclable by Bedford Technology. SUPPORT COMPONENTS utilize the budget-friendly "Black Color" to UV stabilized 'Earth-tone Colors'.

FiberForce® and **BarForce®** are supported by full TEST DATA, ENGINEERING SPECIFICATIONS, INDUSTRY LEADING WARRANTY, and ENGINEERING SUPPORT for project and application review. Look no further than Bedford Technology for your Environmentally Friendly solution for **JOISTS** & **STRINGERS** and **POSTS** & **BEAMS.**



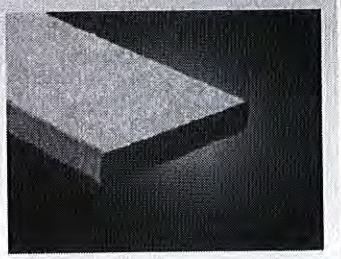
Visit us at www.plasticboards.com

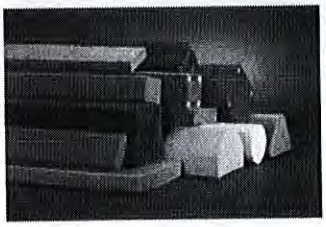
STRUCTURALLY GRADED RECYCLED PLASTIC

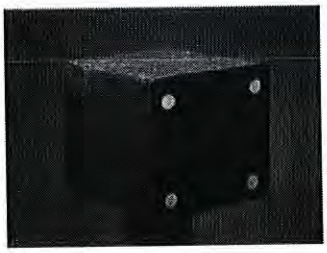
JOISTS & STRINGERS ... POSTS & BEAMS

Reinforced Recycled Plastic Lumber

Shape	Lumber Size	Actual Dimensions	Longest Lengths Available - Feet	Weight LBS per Foot
	2 1/2" Round	2.25" Diameter	8	1.8
	4" Round	3.9" Diameter	12	4.8
	10" Round *	9.8" Diameter	24	28.3
	5/4" x 4"	1.1" x 3 1/2"	8	1.5
	5/4" x 6"	1.1" x 5 1/2"	12	2.3
	5/4" x 8"	1.1" x 7 1/2"	12	3.1
	2" x 2"	1 1/2" x 1 1/2"	8	1
	2" x 3"	1 1/2" x 2 1/2"	8	1.6
	2" x 4" Bull Nose	1 1/2" x 3 1/2"	10/12	2.2
	2" x 6"	1 1/2" x 5 1/2"	16	3.5
	2" x 8"	1 1/2" x 7 1/2"	16	4.2
	2" x 10" **	1 1/2" x 9 3/8"	16	5.4
	2" x 12"	1 1/2" x 11 1/4"	16	6.5
	3" x 4" Bull Nose	2 1/2" x 3 1/2"	16	3.4
	3" x 6"	2 1/2" x 5 1/2"	12	5.1
	3" x 8" Bull Nose	2 1/2" x 7 1/2"	10/10	7
	3" x 10" *	2 1/2" x 9 3/8"	16	8.9
	3" x 12" *	2 1/2" x 11 1/4"	16	10.8
	4" x 4"	3 1/2" x 3 1/2"	16	4.8
	True 4" x 4"	4" x 4"	16	5.9
	4" x 6"	3 1/2" x 5 1/2"	20	7.2
	4" x 8"	3 1/2" x 7 1/2"	16	9.8
	4" x 12" *	3 1/2" x 11 1/4"	20	15







Shape	Lumber Size	Actual Dimensions	Longest Lengths Available - Feet	Weight LBS per Foot
	5" x 5"	4 1/2" x 4 1/2"	16	7.6
	6" x 6"	5 1/2" x 5 1/2"	20	11.5
	6" x 8"	5 1/2" x 7 1/2"	16	16
	6" x 12"	5 1/2" x 11 1/4"	20	25
	8" x 8"	7 1/2" x 7 1/2"	16	22
	8" x 10"	7 1/2" x 9 3/8"	16	28
	8" x 12" *	7 1/2" x 11 3/8"	20	33
	10" x 10" *	9 3/4" x 9 93/4"	20	40
	10" x 12" *	9.8" x 11.8"	24	48
	12" x12" *	11.9" x 11.9"	24	58
	12" x 16" *	11.8" x 15.7"	24	77

Material Comparison

FIBER FORCE BAR FORCE

Plastic Composite Lumber
Bedford Plastic Products are made from recycled High Density polyethylene, reinforced with chopped glass fiber. It does not rot, split or chip, and is ideal for long term immersion in water.

Wood Plastic Composite Lumber
Wood Plastic Composites are wood in a plastic matrix. They overcome some disadvantages of natural timber, but composites will still decay and rot over time if not maintained, particularly when damp.

Wood
All woods suffer environmental attack, sometimes reduced by periodic chemical treatments. Wood can crack, split and splinter, is eaten by borers and suffers fungal and bacterial decay.

	Wood	Wood Composite	Plastic Composites
50-year warranty			✓✓
Insect and borer resistant			✓✓
Rot and decay resistant	*	✓*	✓✓
Load bearing and structural	✓✓		✓✓
Non-splintering		✓	✓✓
Maintenance free			✓✓
Color stability			✓✓
Non-leaching/toxin-free			✓✓
100% recycled feedstock			✓✓
Recyclable	✓		✓✓
Long-term aesthetics			✓✓

** Chemical treatments required*

Visit us at www.plasticboards.com

Green Statement

Green building products are primarily composed of material from renewable or recyclable resources. The FSC-Forest Stewardship Council and the USGBC-U.S. Green Building Council are in the forefront of green construction. The LEED-Leadership in Energy and Environmental Design-Green Building Rating System was developed by the U.S.GBC and evaluates building projects based on five major areas considered to have a direct impact on human/environmental health. One of the LEED areas is material selection.

The standard criteria of "green" building products specify the use of materials that are durable, made by a resource efficient manufacturing process, have an identifiable recycled content, are recyclable themselves, and have low to no negative impact on environmental quality. Bedford Plastic Lumber is able to meet these material selection standards in a majority of applications.

Bedford Technology, LLC
2424 Armour Road
Worthington, MN. 56187

Introducing McNICHOLS . . .

EXTREN® Fiberglass Structural Shapes and Plate

New!

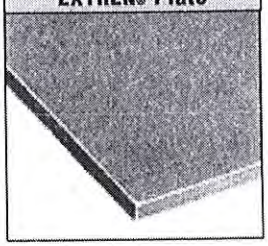
- Very Lightweight—about 70% the Weight of Aluminum
- Corrosion Resistant
- High Strength
- Low in Conductivity—Thermally and Electrically
- Easy Fabrication
- Impact Resistant
- Dimensional Stability
- Low Maintenance
- Custom Colors Available
- Nonmagnetic—Electromagnetic Transparency

CONSTRUCTION/ MATERIAL: Combination of fiberglass reinforcements and thermosetting polyester, vinyl ester, or thermal cure resin system. *Additional resin information is available.*

RESINS/COLORS: **525 SPF** - Gray; Fire retardant isophthalic polyester resin system with UV inhibitor unless otherwise noted.

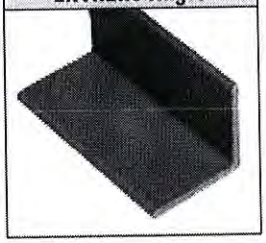
Loading can vary significantly from steel. Information is available.

EXTREN® Plate



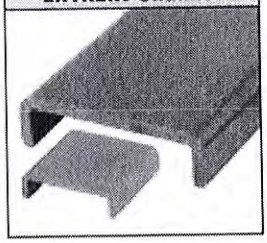
RESIN: 525 SPF
COLOR: Gray
SIZE: 4' x 8'
SURFACE: No grit

EXTREN® Angle



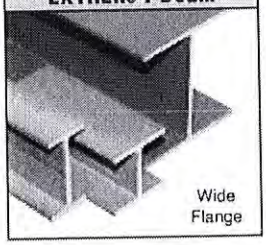
RESIN: 525 SPF
COLOR: Gray
LENGTH: 20' long

EXTREN® Channel



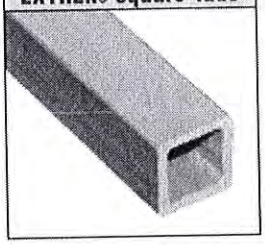
RESIN: 525 SPF
COLOR: Gray
LENGTH: 20' long

EXTREN® I-Beam



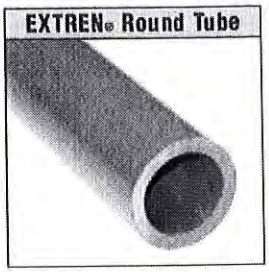
RESIN: 525 SPF
COLOR: Gray
LENGTH: 20' long

EXTREN® Square Tube



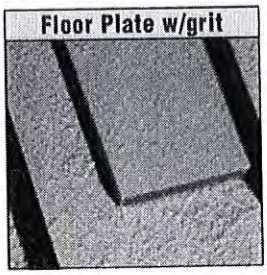
RESIN: 525 SPF
COLOR: Gray
LENGTH: 20' long

EXTREN® Round Tube



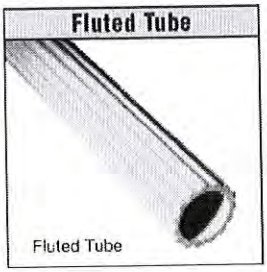
RESIN: 525 SPF
COLOR: Gray
LENGTH: 20' long

Floor Plate w/grit



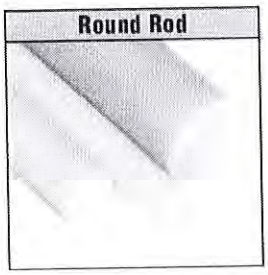
RESIN: SPF
COLOR: Gray
SIZE: 4' x 8'
SURFACE: Grit

Fluted Tube



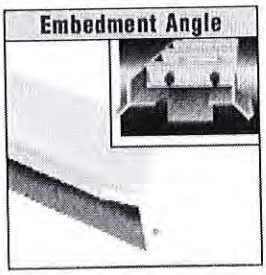
RESIN: Vinyl Ester
COLOR: Yellow
LENGTH: 20' long
Non-fire retardant

Round Rod



RESIN: Thermal Cure
COLOR: Lt. Gray/Green
LENGTH: 20' long
Non-fire retardant

Embedment Angle



RESIN: SVF
COLOR: Gray
LENGTH: 20' long
Fire retardant

More information on reverse side.

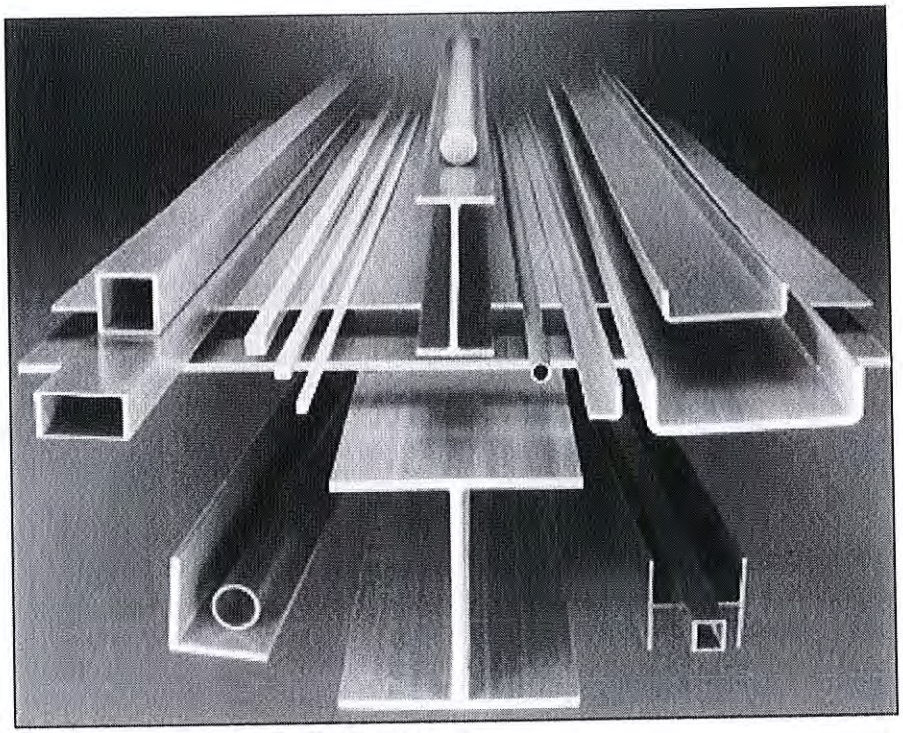
ISO 9001:2000 Certified **1-800-237-3820** ***Worldwide Service***

McNICHOLS CO.

www.mcnichols.com e-mail: sales@mcnichols.com

INDUSTRIES SERVED

- *Transportation*
- *Building Construction*
- *Electrical Utility*
- *Chemical Processing*
- *Cellular Communications*
- *Food and Beverage*
- *Pulp and Paper*
- *Oil and Gas*
- *Water/Wastewater*
- *Air Pollution Control*
- *Aeronautical Defense*
- *Plating*
- *Agricultural*
- *Appliance/Equipment*
- *Consumer/Recreation*



Product Availability List

EXTREN® Equal Leg Angles
1" x 1/8"
1-1/4" x 3/16"
1-1/2" x 3/16"
1-1/2" x 1/8"
1-1/2" x 1/4"
2" x 3/16"
2" x 1/4"
3" x 1/4"
3" x 3/8"
4" x 1/4"
4" x 3/8"
4" x 1/2"
6" x 1/2"
1-1/4" x 1/8"
2" x 1/8"
5" x 1/2"
6" x 1/4"
6" x 3/8"

EXTREN® Channels
2" x 9/16" x 1/8"
3" x 7/8" x 1/4"
4" x 1-3/8" 3/16"
4" x 1-1/8" x 1/4"
5" x 1-3/8" x 1/4"
6" x 1-5/8" x 1/4"
6" x 1-11/16" x 3/8"
8" x 2-3/16" x 1/4"
8" x 2-3/16" x 3/8"
10" x 2-3/4" x 1/2" *(24' lg.)*

EXTREN® Channels
1-1/2" x 1" x 3/16"
1-1/2" x 1-1/2" x1/4"
2" x 7/8" x 1/4"
2-5/8" x 1/8" x 1-1/4" x 3/16"
3" x 1" x 3/16"
3-1/2" x 1-1/2" x 3/16"
4" x 1-1/16" x 1/8"
5-1/2" x 1-1/2" x 3/16"
14" x 3-1/2" x 3/4"
18" x 2-3/16" x 3/16"
24" x 3" x .260"

EXTREN® I-Beams
3" x 1-1/2" x 1/4"
4" x 2" x 1/4"
8" x 4" x 3/8"
2" x 1" x 1/8"
6" x 3" x 1/4"
6" x 3" x 3/8"
6" x 4" x 1/4"
8" x 4" x 1/2"
10" x 5" x 3/8"
10" x 5" x 1/2"
12" x 6" x 1/2"
18" x 3/8" x 4-1/2" x 1/2"
24" x 3/8" x 7-1/2" x 3/4"

Embedment Angle
1" x 1-1/2"
1-1/2" x 1-1/2"
2" x 1-1/2"

EXTREN® Wide Flange Beams
3" x 1/4"
4" x 1/4"
6" x 1/4"
6" x 3/8"
8" x 3/8"
10" x 3/8" *(32' long)*
2" x 1/8"
8" x 1/2"
10" x 1/2"
12" x 1/2"

EXTREN® Plate**
1/8"
3/16"
1/4"
3/8"
1/2"
3/4"
5/8"
1"

Pultruded Plate
1/4"
1/8"

FIBREBOLT® Studs and Nuts
Stocked in 4' lengths
Size: 3/8", 1/2", 5/8", 3/4", 1"

EXTREN® Round Tube
1" x 1/8"
1-1/4" x 1/8"
1-1/2" x 1/8"
1-1/2" x 1/4"
2" x 1/8"
2" x 1/4"
2-1/2" x 1/4"
3" x 1/4"
3/4" x 3/16"
1-1/4" Fluted tube
1-1/4" x 3/16"
1-3/8" x 3/16"
1-3/4" x 1/8"
1-3/4" x 1/4"
2-3/4" x 1/4"
2-3/4" x 3/8"
3" x 1/8"
3-1/2" x .140"
3-1/2" x 1/2"
4" x 1/8"
4" x 1/4"
5" x 1/8"
5" x 1/4"
6" x 1/8"
6" x .156"
6" x 1/4"
8" x 3/16"
10" x 3/16"

EXTREN® Rectangular Tube
4" x 1/8" x 2" x 1/4"
2-1/2" x 1-5/8" x 1/8"
3-1/4" x 2-1/2" x .160"
6-1/2" x 1/4" x 2" x 1/2"
7" x 4" x 1/4"
9" x 6" x 5/16"

EXTREN® Square Tube
1" x 1/8"
1-1/2" x 1/8"
2" x 1/8"
2" x 1/4"
3" x 1/4"
4" x 1/4"
1-1/4" x 1/8"
1-1/2" x 1/4"
1-3/4" x 1/8"*
1-3/4" x 1/4"*
2-1/2" x 1/4"
3" x 1/8"
3" x 3/8"
3-1/2" x 1/4"
4" x 3/8"
6" x 3/8"

Square Bar - Thermal Cure Light Gray/Green
1/2"
5/8"
3/4"
1"
1-1/4"
1-1/2"

Rod - Thermal Cure Light Gray/Green
1/4"
3/8"
1/2"
5/8"
3/4"
13/16"
7/8"
1"
1-1/8"
1-1/4"
1-1/2"
1-7/8"
2"

☐ READILY AVAILABLE ☐ SPECIAL ORDER

* 1-3/4" x 1/8" and 1-3/4" x 1/4" Square Tubes are undersized to allow telescoping.
**USDA approved plate available (special order) in all sizes except 1/4" and 3/8".
NOTE: Unless otherwise noted, all dimensions are in inches and stocked lengths are 10' and 20' long. All EXTREN® Series 500 products can be produced to meet NSF potable water standards in minimum mill run quantities. Only products bearing NSF logo are certified.

ISO 9001:2000 Certified **1-800-237-3820** ***Worldwide Service***

McNICHOLS CO.

www.mcnichols.com e-mail: sales@mcnichols.com

Member Metals Service Center Institute

OceanLED

OceanLED Marine
Underwater Lighting
Dock Lights

Underwater
DOCK LIGHTS
D-Series

D12 Dock Light

Underwater Lighting Excellence

OceanLED Dock Lights - The safe and efficient waterfront lighting solution for use on bulkheads, docks, pilings, and piers.

Enhance the natural beauty of your waterfront property while enhancing property security. Attract fish to create a natural aquarium.

OceanLED Dock Lights are easy to service via a simple removal system. The Tritonium Lens resists marine growth and scratches; simply wipe clean. Trusted by the world's elite resorts and yacht manufacturers.

- Equal to 50w Xenon
- Safe low voltage 24vDC
- 40,000+ Hour Life
- Chemically Resistant Optical Polymer
- Twin Core Wire
- Factory Sealed Unit
- No Breakable Parts
- Conduit Ready

Quick Specs

40K HOURS LIFE SPAN	24v DC	1300 FIXTURE LUMENS	140° BEAM	Tritonium OPTICAL LENS

Description	Color	Part #	UPC/EAN #
D12 Dock Light Ultra White LEDs	Ultra White	001-500387	5051803002857
D12 Dock Light Ocean Blue LEDs	Ocean Blue	001-500388	5051803002864
D12 Dock Light Sea Green LEDs	Sea Green	001-500389	5051803002871

Mounting Recommendations	D12
Recommended spacing	1.8-3m (6-10')
Minimum Installation depth (to top of fixture) considering tidal movement	250-450mm (10-18")

Technical	
Light output equivalent to	50W Xenon
Fixture Lumens* (total light output from a finished fixture)	1300
Typical LED life expectancy	40,000+ Hours
Minimum-Maximum operating voltage DC	9-32v DC
Current / Amp draw (DC)	24v DC 0.9A
Approx. light penetration (avg. water quality)	7m (23')
Approx. Light penetration (perfect water quality)	up to 25+m (82')
Driver type	Internal

Physical	
Length of fixture	192.5mm ($7^{37/64}$")
Width of fixture	117.5mm ($3^{1/4}$")
Profile (height) of fixture	101mm ($3^{63/64}$")
Total weight	1.2 kgs (2.65 lbs)
Extension cable length (standard)	15m (49')
Conduit inputs	12.7 and 19.05m (1/2 and 3/4")
Material	Chemically resistant optical polymer
Lens	Tritonium Optical Lens

Recommended Accessories

OceanLED PTFE Pipe - Aids with Sealife protection, dirt and water ingress. Stops cable chafe while pulling cables through conduit.

*Fixture Lumens rating is a measurement of total light output from a finished lighting fixture. This measurement can only be obtained from a either a Goniophotometer or an Integrating sphere. Fixture Lumens is the most reliable, professional measurement of light output. OceanLED has heavily invested in these measurement apparatus and has had all its data verified by the Lighting Association of Great Britain. LEDs cannot be rated in Lumens since LEDs are not bulbs.

OceanLED Smart Light Technology

All OceanLED lights are factory sealed, essential for lighting components subjected to the corrosive marine environment.

Active Thermal Control

ATC is a continuous monitoring system built into all OceanLED lighting products to prevent overheating, thus improving LED performance and lumen maintenance. In the event the lights become overheated, the ATC system will reduce the LED power level in order to protect the LEDs, or in extreme cases, turn off the fixture completely. All OceanLED lighting products are tested to work continuously in an ambient temperature of 65° Centigrade / 150° Fahrenheit.

Grade A Electrical-Opto Performance

OceanLED utilizes the very latest optical methods to achieve the highest Lumen Per Watt efficacy ratings on all its products. Combining optical precision with Grade A Electrical components ensures maximum life cycles, minimal heat exposure, and flicker free operation and dimming.

OceanLED 3-Star Binning Promise

Millions of LEDs are produced every day, some better than others. LEDs are sorted or "Binned" according to their light output, emitted color, and electrical efficiency. OceanLED has developed its own unique Bin code to ensure the highest quality grade LEDs are selected, essential for the quality and consistency on which OceanLED prides itself, and the consumer expects.

Contents include:

- Conduit Mounting Box
- Fixing Screws
- IP68 In-line Cable Connector (color may vary)
- Dock Light Feet (for optional installation on concrete)

EMC Tested
EN60945 compliant-2004/108/EC

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Specifications are subject to change without notice

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CREE

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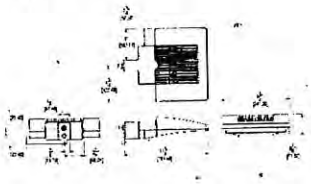
OceanLED
LIGHT. YEARS AHEAD.
www.OceanLED.com

ALED26

ALED Area Lights mount to 4" square steel poles at 15-20'. 1 to 4 fixtures can be mounted to each pole. IES Full Cutoff, Fully Shielded optics. 5 year Warranty.

Color: Bronze

Weight: 6.5 lbs



LED Info		Driver Info	
Watts:	26W	Type:	Constant Current
Color Temp:	5000K (Cool)	120V:	0.26A
Color Accuracy:	70	208V:	0.16A
L70 Lifespan:	100000	240V:	0.14A
LM79 Lumens:	2,662	277V:	0.12A
Efficacy:	90 LPW	Input Watts:	30W
		Efficiency:	88%

Technical Specifications

UL Listing:
Suitable for wet locations.

Lifespan:
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

IP Rating:
Ingress Protection rating of IP66 for dust and water.

IES Classification:
The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

Housing:
Precision die cast aluminum housing, lens frame.

Gaskets:
High temperature silicone.

Effective Projected Area:
EPA = 0.27.

Finish:
Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:
ALEDs are Mercury, Arsenic and UV free.

IESNA LM-79 & IESNA LM-80 Testing:
RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Color Consistency:
7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:
LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:
RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Ambient Temperature:
Suitable for use in 40°C ambient temperatures.

Driver:
Multi-chip 26W high output long life LED Driver Constant Current, 720mA, Class 2, 6kV Surge Protection, 100V-277V, 50-60 Hz, 100-240V.4 Amps.

THD:
7.5% at 120V, 11% at 277V

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Cold Weather Starting:
The minimum starting temperature is -40°F/-40°C.

Thermal Management:
Cast aluminum Thermal Management system for optimal heat sinking. The ALED is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

Dark Sky Approved:
The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

California Title 24:
ALED complies with California Title 24 building and electrical codes.

Equivalency:
The ALED26 is Equivalent in delivered lumens to a 70 W Metal Halide Area Light.

HID Replacement Range:
The ALED26 can be used to replace 42 CFL - 100W Metal Halide Area Light based on delivered lumens.

Patents:
The ALED design is protected by U.S. PATENT D608,040 and patents pending in the U.S., Canada, China, Taiwan and Mexico.

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

Country of Origin:
Designed by RAB in New Jersey and assembled in Taiwan.

Trade Agreements Act Compliant:
This product is a product of Taiwan and a "designated country" end product that complies with the Trade Agreements Act.

GSA Schedule:
Suitable in accordance with FAR Subpart 25.4.

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CONTECH LIGHTING

STPL

LED Step Light Accent Series

Catalog No. _____

Type _____

Project _____

Specifications/Features

Housing

Energy efficient, compact LED Steplights provide maintenance free illumination in excess of 50,000 hours.
Suitable for interior or exterior applications.
Constructed of high impact, weather resistant polycarbonate.
Compact size and integral driver for simple wiring and easy installation into 2" x 4" junction boxes.
Durable, die-cast metal faceplate.
Four different faceplate options provide excellent cutoff. A high-impact polycarbonate diffusion lens is also available.
Faceplate designs are available in Bronze, Brushed Nickel and White finishes.

Lamp/Electrical

LED light module consists of (12) LEDs in Amber or 3000K Warm White with integral LED driver circuit.
Wire lead length: 7"
Total Wattage: 1.3W
Electrical Rating: 120V, 60Hz
Dimming not available.
Emergency back-up, with 120V inverter system, by others.

Mounting

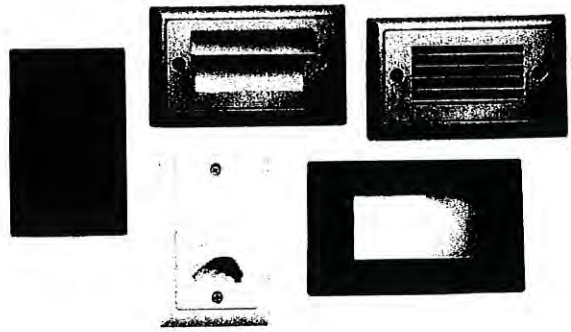
Fixture can be mounted to 2" x 4" junction box using the (2) mounting screws provided.
Choose between using (2) Phillips head mounting screws or (2) tamper resistant hex head screws for installation.
Product is IP65 rated, includes a 2" x 4" gasket for exterior applications and for eliminating light leak.

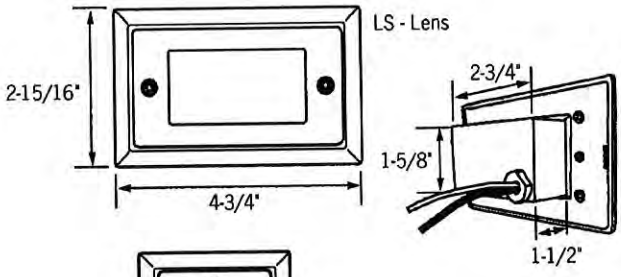
Warranty

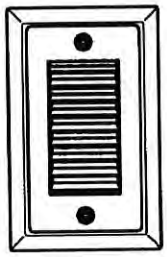
This complete fixture is covered by Con-Tech's full five (5) year replacement guarantee after date of purchase.

Listing

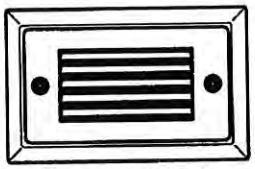
cULus listed. Suitable for wet locations.



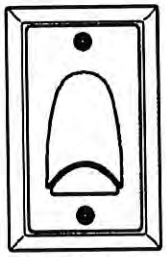




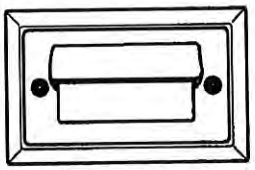
LV - Louver, Vertical



LH - Louver, Horizontal



VV - Visor, Vertical



VH - Visor, Horizontal

Ordering Information

Example Order: STPLWWLV – NK

Fixture	Color Temperature	Faceplate		Finish
STPL			—	

STPL

AM - Amber
WW - 3000K Warm White

LH - Louver, Horizontal
LV - Louver, Vertical
VH - Visor, Horizontal
VV - Visor, Vertical
LS - Lens

BR - Bronze
NK - Brushed Nickel
P - White

CONTECH LIGHTING

STPL
LED Step Light Accent Series

Catalog No. _____

Type _____

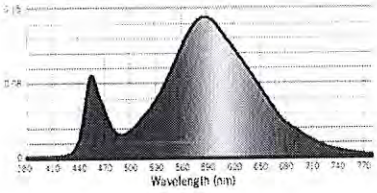
Project _____

Photometrics

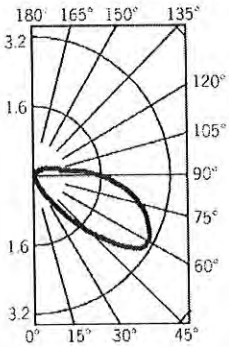
STPLWWLH-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 68346

Light Output (Fixture Delivered Lumens): 7
Total Watts@120V: 1.3
Lumens Per Watt: 5
Color Rendering Index (CRI)[2]: 70
Color Temperature (CCT)[3]: 3000K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 68347



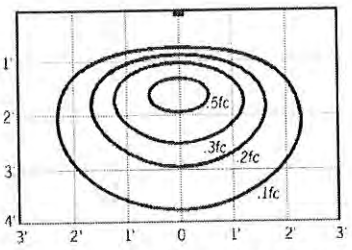
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0	0
15	0.08	0.01
25	0.76	0.08
35	2.05	0.30
45	3.61	0.71
55	3.97	1.07
65	3.69	1.21
75	3.16	1.15
85	2.53	0.91
95	2.14	

Footcandle Chart, Plan View

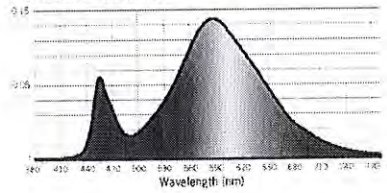


Note: Illuminance levels based on 12" AFF mounting height

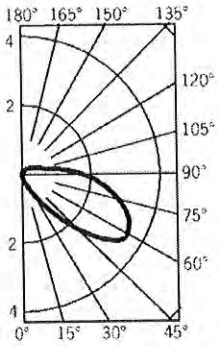
STPLWWLV-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 68345

Light Output (Fixture Delivered Lumens): 8
Total Watts@120V: 1.3
Lumens Per Watt: 6
Color Rendering Index (CRI)[2]: 70
Color Temperature (CCT)[3]: 3000K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 68347



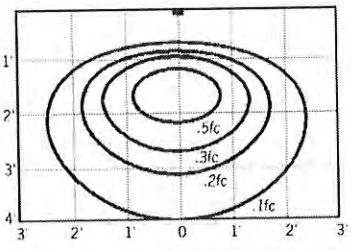
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0.01	0
15	0.15	0.01
25	0.91	0.10
35	2.56	0.37
45	4.40	0.84
55	4.83	1.23
65	4.47	1.38
75	3.81	1.29
85	2.99	1.02
95	2.13	

Footcandle Chart, Plan View

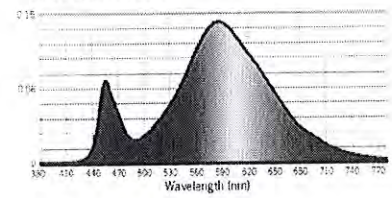


Note: Illuminance levels based on 12" AFF mounting height

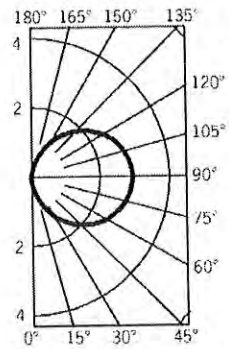
STPLWWLS-NK

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 68344

Light Output (Fixture Delivered Lumens): 14
Total Watts@120V: 1.3
Lumens Per Watt: 11
Color Rendering Index (CRI)[2]: 70
Color Temperature (CCT)[3]: 3000K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 68347



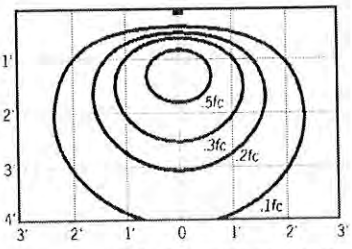
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0.18	0.01
15	0.91	0.08
25	1.80	0.24
35	2.60	0.49
45	3.31	0.78
55	3.94	1.07
65	4.44	1.34
75	4.81	1.55
85	5.00	1.66
95	5.02	

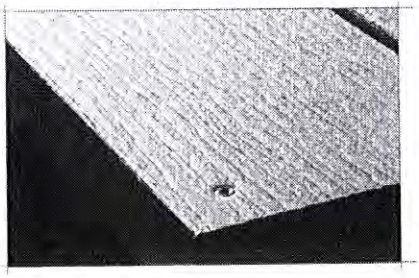
Footcandle Chart, Plan View



Note: Illuminance levels based on 12" AFF mounting height

1. Accuracy of rendering colors
2. Color appearance of light source
3. Colors present within the light source

*Dependent on surrounding temperatures



FEATURES

- **Strong and Practical** - 2 X 6 boards allow true 24" on-center spans to replace wood decking for residential applications.
- **Quick install** - No pre-drilling needed for fasteners. Work with TanDeck like any other natural wood product. No special tools needed.
- **Wood-free** - Exceptional resistance to moisture, fading, insects, splintering, warping and other hazards of environmental exposure.
- **Low Maintenance** - Never needs waterproofing, painting, staining or other recurring maintenance. Outlasts treated lumber 3-4 times!
- **Lasts a lifetime** - 50 year limited warranty
- **Environmentally Friendly** - Made from 100% post-consumer recycled HDPE plastics, like those found in in milk bottles. High value in earning LEED green building certification.

ABOUT TANGENT TECHNOLOGIES

TanDeck is manufactured by Tangent Technologies—a leading manufacturer of extruded plastic lumber made from recycled plastics like those found in milk bottles.

Tangent's mission is to be the leader in recycled plastic lumber. We do this by creating solutions for our customers through new product innovations, top quality products, engineering expertise and customer service.

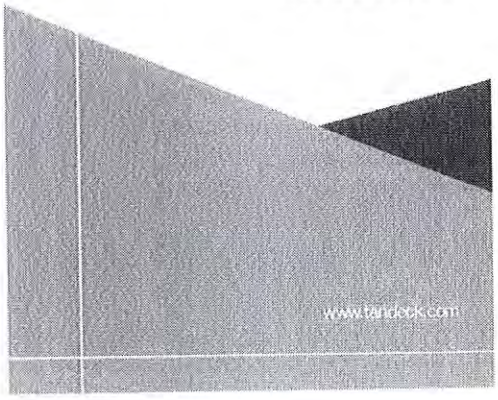
LIMITED WARRANTY

[illegible]

Tangent Technologies LLC
1001 Sullivan Road
Aurora, IL 60506-1065
tel 630.264.1110
fax 630.264.8851

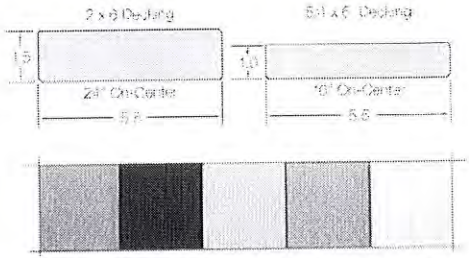
www.tangentusa.com

TANGENT
TANDECK™
Plastic Lumber for Beautiful Decks and Docks

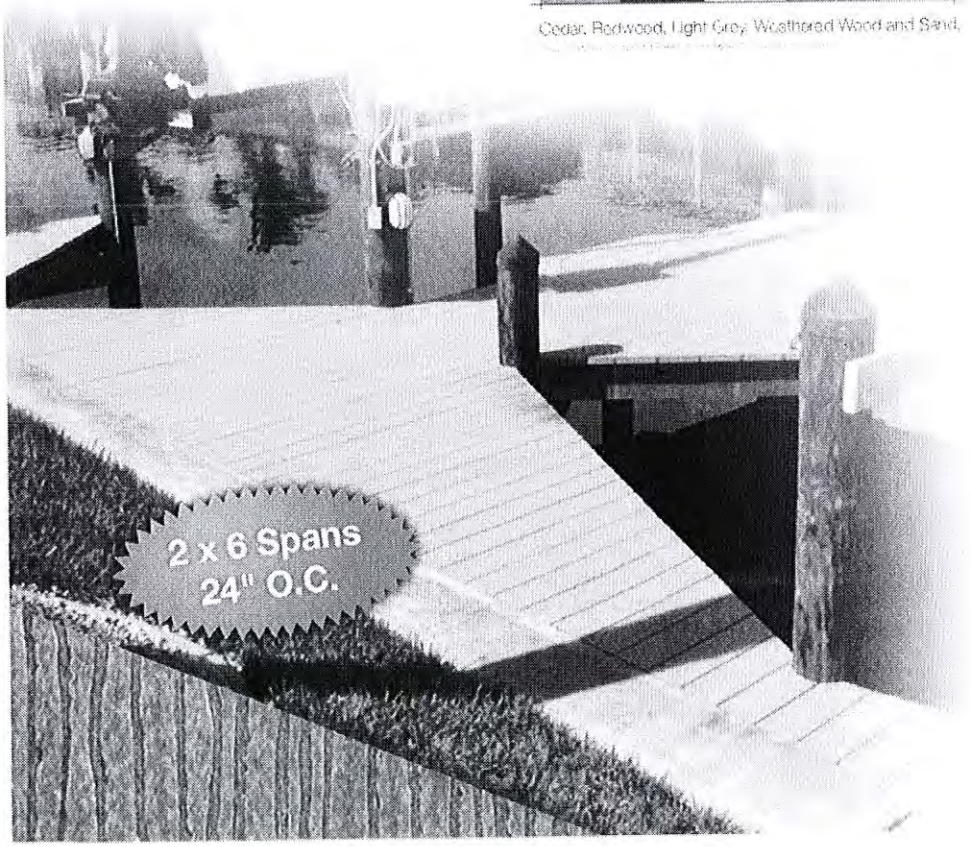

www.tandeck.com

TANDECK™

TanDeck Plastic Lumber is the ideal solution for residential and private commercial decks, docks and other marine and coastal applications.



Cedar, Redwood, Light Grey Weathered Wood and Sand.



FAQ'S ABOUT TANDECK PLASTIC LUMBER

What is the difference between TanDeck and wood composite and cellular PVC decking?
Leading composite decking is made from a mixture of plastic and waste wood or other organic fibers. Wood and other organic fibers can absorb moisture, making composite decking susceptible to fading, staining and swelling.

TanDeck is made from a proprietary blend of recycled HDPE plastics, strengthening agents, UV inhibitors and anti-static additives. It has no wood or organic fibers and is not susceptible to moisture that can cause staining, swelling, warping or splintering.

How is TanDeck secured to the deck structure?
TanDeck must be face-screwed using high quality stainless steel screws that will last the life of the deck. No pre-drilling is required. Refer to TanDeck Installation Guidelines for complete information. (Visit www.tandeck.com)

Can I build the deck structure from TanDeck?
No. TanDeck is not suitable for structural support. PolyFence Plastic Lumber from Tangent can be used for the deck structure. Visit www.tangentusa.com.

Will TanDeck fade or change color once installed?
TanDeck is pigmented throughout and has ultra-violet inhibitors that stabilize the color. With no wood or organic fibers within to weather, TanDeck will maintain its color for years with only a slight change in color over the long life of the project.

What lengths does TanDeck come in?
TanDeck is available in 16, 20 and 24 foot lengths.

How do I care for TanDeck?
TanDeck is a non-porous product, so stains and mold will not be absorbed below the surface. If stains or mildew should occur on the surface, they can be easily cleaned with soap, water and a stiff brush.

Will TanDeck get hot in direct sun?
TanDeck earth tone colors are as cool as traditional wood sealed products; darker colors will naturally absorb more heat than lighter colors.

#11- Public Entity Crimes Affidavit

FORM A-1

NORTH MIAMI FLORIDA

SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to City of North Miami
[print name of public entity]

by Pac Comm, Inc.
[print individual's name and title]

for Pac Comm, Inc.
[print name of entity submitting sworn statement]

whose business address is 4226 SW 70th Court, Miami, FL 33155

and (if applicable) its Federal Employer Identification Number (FEIN) is 56-2548965 (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: _____.)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), **Florida Statutes,** means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), **Florida Statutes,** means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Paragraph 287.133 (1)(a), **Florida Statutes,** means:

   1. A predecessor or successor of a person convicted of a public entity crime; or

   2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

FORM A-1

NORTH MIAMI FLORIDA

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **[indicate which statement applies.]**

☑ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. **[attach a copy of the final order]**

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

_____
[signature]

Sworn to and subscribed before me this 27th day of February, 2014.

Personally known X

OR Produced identification _____

_____
(Type of Identification)

Notary Public - State of Florida

My commission expires 11-5-16

(Printed typed or stamped Commissioned name of Notary Public)

Notary Public State of Florida
Christine Lanfair
My Commission EE 830372
Expires 11/05/2016

#12- A-2- Non-Collusive Proposal Certificate

FORM "A-2"
NON-COLLUSIVE BIDDER CERTIFICATE
STATE OF FLORIDA
COUNTY OF MIAMI-DADE

Before me, the undersigned authority, on this day personally appeared Emmanuel Pacin- CEO (Authorized Officer), who being by me duly sworn, deposes and says:

1. That he/~~she~~ is the CEO of the corporation/partnership known and styles as _____, duly formed under the laws of the State of Florida, on 12/01/2005 ,200__, is duly authorized to represent such corporation/partnership in the making of this Affidavit and certification.

2. That Pac Comm, Inc. (corporation/partnership) has not, within 6 months next preceding the date of this affidavit, entered into any combination, contract, obligation, or agreement to create nor that may tend to create or to carry out any restriction on secret, competitive bidding on the procurement of Design Build Services for North Bayshore Park Fishing and Viewing Pier, to fix, maintain, increase, or reduce the price set out in the Proposal (bid) on the Project; to fix or maintain any standard or figure whereby the price bid in the Proposal is or has been in any manner affected, controlled, or established; or in any other manner to prevent or lessen competition in the bidding for the Project.

3. That Pac Comm, Inc. (corporation/partnership) has not, during such time, entered into, executed, or carried out any contract, obligation, or agreement with any person, corporation, or association of persons not to bid on this Project below a common standard or figure, to keep the price thereof at fixed or graded figures, to preclude a fair and unrestricted competition in the bidding of this Project, to regulate, fix or limit the bidding on the Project, or to abstain from engaging in the bidding on the Project, or any portion thereof.

4. That Pac Comm, Inc. (corporation/partnership) has not within 6 months next preceding the date of this Affidavit, either directly or through the instrumentality of trustees or otherwise, acquired assets shares, bonds, franchise, or other rights in or physical properties of any other corporation or partnership for the purpose of preventing or lessening, or in a manner that tends to affect or lessen, competition in the bidding on this Project.

5. That Pac Comm, Inc. (corporation/partnership) has not within such time entered into any agreement or understanding to refuse to buy from or sell to any other person, corporation, firm, or association of person who bids on the Project.

NORTH MIAMI
FLORIDA

6. That no officer of Pac Comm, Inc. has, within Affiant's knowledge, during such 6 months made on behalf of its or for its benefit any such contract or agreement as is specified in this Affidavit.

7. That these representations and warranties will be true at the time of the bid opening.

By: Emmanuel Pacin

Its: CEO

Authority Warranted

SWORN TO and subscribed before me this 27th day of February, 2014.

Notary Public

My Commission Expires:

Notary Public State of Florida
Christine Lanfair
My Commission EE 830372
Expires 11/05/2016

#13-A-3- Local Preference Affidavit

LOCAL PREFERENCE FORM A - 3

NORTH MIAMI FLORIDA

LOCAL PREFERENCE CERTIFICATION

SECTION 1: GENERAL TERM

Local Preference

The evaluation of competitive bids is subject to Section 7-151 of Ordinance 1244 which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to local businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with either of the following objective criteria as of the bid or proposal submission date stated in the solicitation. The following criteria meet the local preference requirements:

1. A business that has a valid local business tax receipt, issued by the City of North Miami at least one year prior to bid or proposal submission, that is appropriate for the goods, services or construction to be purchased **AND**;
2. A business that has a physical business address located within the limits of the City of North Miami from which the vendor operates or performs business. Post Office Boxes are not verifiable and shall not be used for the purpose of establishing said physical address **OR**;
3. A business has at least ten (10%) of its total workforce residing in the City of North Miami or subcontractors at least ten percent (10%) of its total contractors in the City prior to the City's issuance of the solicitation for supplies or services **OR**;
4. The local preference may be applied to firms that subcontract at least ten percent (10%) of the contractual amount of a City project to subcontractor who is physically located within the City of North Miami.

The preference is used to evaluate the submittals received from bidders. A preference of ten percent (10%) shall be given to the local businesses total evaluation points of their proposal or ten percent (10%) shall be given to the local businesses total price of their bid.

Comparison of Qualifications

The preferences established in no way prohibit the right of the City to compare quality of supplies or services for purchase and to compare qualifications, character, responsibility and fitness of all persons, firms or corporations submitting bids or proposals. Further, the preference established in no way prohibit the right of the City from giving any other preference permitted by law instead of preferences granted, nor prohibit the City to select the bid or proposal which is the most responsible and in the best interests of the City.

SECTION 2: AFFIRMATION

LOCAL PREFERENCE CERTIFICATION: The local preference may be applied to businesses located within the limits of the City of North Miami. **A copy of a current Business Tax Receipt must be attached.**

☐ Place a check mark here only if affirming bidder meets requirements for Local Preference. **Failure to complete this certification at this time (by checking the box above) shall render the vendor ineligible for Local Preference.**

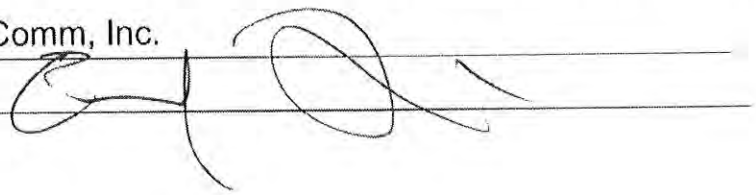
WORKFORCE LOCAL PREFERENCE CERTIFICATION: The local preference may be applied to businesses with a least ten percent (10%) of its total workforce residing within the geographical boundaries of the City.

☐ Place a check mark here only if affirming bidder meets requirements for workforce Local Preference. **Failure to complete this certification at this time (by checking the box above) shall render the vendor ineligible for Workforce Local Preference.**

SUBCONTRACTOR LOCAL PREFERENCE CERTIFICATION: The local preference may be applied to businesses that subcontract at least ten percent (10%) of the contractual amount of a City project to subcontractor who are physically located within the City of North Miami. **(Must complete Forms A-3A: Participation Schedule & A-3B: Statement of Intent)**

☐ Place a check mark here only if affirming bidder meets requirements for Subcontractor Local Preference. **Failure to complete this certification at this time (by checking the box above) shall render the vendor ineligible for Subcontractor Local Preference.**

Company Name: Pac Comm, Inc.

Authorized Signature: 

Revised 12/23/10

LOCAL PREFERENCE FORM A – 3A

NORTH MIAMI FLORIDA

CITY OF NORTH MIAMI LOCAL BUSINESS PARTICIPATION SCHEDULE

RFP/IFB # 11-13-14 Title: Design Build Services for North Bayshore Park Fishing and Viewing Pier

Bidder/Proposer Pac Comm, Inc.

Address, City, State and Zip 4226 SW 70th Court, Miami, FL 33155

Contact Person Emmanuel Pacin Tel # 305-381-5157 Fax # 305-357-7978

ORGANIZATION STATUS

Business Association	Date Engaged	Business Name	Business Address	Business Telephone #	Work to Be Performed		
					% of Work	Type of Work	Dollar Amount
Bidder/ Proposer							
Local Business							
Local Business							
Local Business							
					100%	Total Participation	
						Total Contract	$ 0.0

The listing of a Local Business shall constitute a representation by the bidder/proposer to the City of North Miami that the bidder/proposer believes such Local Business to be technically and financially qualified and available to perform the work described. Bidders/Proposers are advised that the information contained will be verified.

I certify that the above information is true to the best of my knowledge: _____ CEO 2-27-14

Authorized Bidder/Proposer Signature | Title | Date

Revised 12/16/11

LOCAL PREFERENCE FORM A - 3B

NORTH MIAMI FLORIDA

STATEMENT OF INTENT

RFP/IFB NO. 11-13-14

A signed "Statement of Intent" shall be completed by both the proposer/bidder and the owner or authorized principal of each Local Business listed in the Participation Schedule Form A-3A.

_____ agrees to perform work on the above contract as (check one)

Name of Local Business

◯ a partnership; ◯ a corporation; ◯ an individual; ◯ a joint venture

Local Business Contractor

The Local Business will enter into a formal agreement, conditioned upon the Bidder/Proposer executing a contract with the City of North Miami for the work with _____.

Name of Local Business

Item No.	Type of Work	Date Engaged	Agreed Price (Or Agreed Percentage)	% of Work
1.			$	%
2.			$	%
3.			$	%
	TOTAL VALUE OF WORK		$0.0	0.0 %

	CEO	2-27-14
Local Business Contact Name (Please Print)	**Title**	**Date**

_____

Local Business Address, City, State & Zip Code

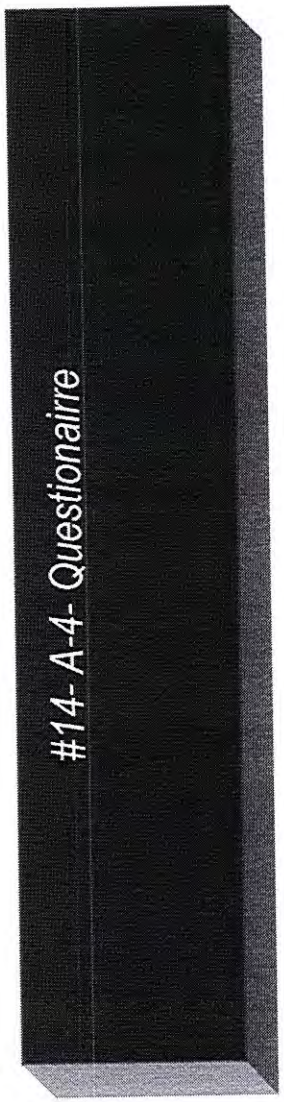
Local Business E-Mail address	**Phone Number**	**Authorized Local Business Signature**

	CEO	2-27-14
Authorized Bidder/Proposer Signature	**Title**	**Date**

NOTE: A copy of the Local Vendor Business Tax Receipt and signatures of Local Business and Bidder/Proposer are required.

Revised 12/16/11

#14- A-4 Questionairre



FORM "A-4"

QUESTIONNAIRE INSTRUCTIONS

PROJECT:

OWNER: CITY OF NORTH MIAMI

BIDDER:

INSTRUCTIONS

A. All questions are to be answered in full, without exception. If copies of other documents will answer the question completely, they may be attached and clearly labeled. If additional space is needed, additional pages may be attached and clearly labeled.

B. The City of North Miami shall be entitled to contact each and every person/company listed in response to this questionnaire. The Bidder, by completing this questionnaire, expressly agrees that any information concerning the Bidder in possession of said entities may be made available to the City.

C. Only complete and accurate information shall be provided by the Bidder. The Bidder hereby warrants that, to the best of its knowledge and belief, the responses contained herein are true, accurate, and complete. The Bidder also acknowledges that the City is relying on the truth and accuracy of the responses contained herein. If it is later discovered that any material information given in response to a questions was provided by the Bidder, knowing it was false, it shall constitute grounds for immediate disqualification, termination, or rescission by the City of any subsequent agreement between the City and the Bidder.

D. If there are any questions concerning the completion of this form, the Bidder is encouraged to contact Ruby Crenshaw-Johnson, Purchasing Director via email at rcrenshaw@northmiamifl.gov or via facsimile: (305) 891-1015.

NORTH MIAMI
FLORIDA

QUESTIONNAIRE

Bidder's Name: Pac Comm, Inc.

Principal Office Address: 4226 SW 70th Court
Miami, FL 33155

Official Representative: Emmanuel Pacin

( ) Individual
( ) Partnership (Circle One)
(•) Corporation

If a Corporation, answer this:

When Incorporated: 12-1-2005

In what State: Florida

If Foreign Corporation:

Date of Registration with Florida Secretary of State: _____

Name of Resident Agent: _____

Address of Resident Agent: _____

President's Name: Emmanuel Pacin

Vice President's Name: N/A

Treasurer's Name: Emmanuel Pacin

Members of Board of Directors:

If a Partnership:

Date of Organization: _____

General or Limited Partnership*: _____

NORTH MIAMI
FLORIDA

Name and Address of Each Partner:

Name	Address
1.	
2.	
3.	

*Designate general partners in Limited Partnership

1. Number of years of relevant experience in operating similar business:____

2. Have any similar agreements held by Bidder for a similar project to the proposed project ever been canceled?

   Yes (☐) No ☑

   If yes, give details on a separate sheet.

3. Has the Bidder or any principals of the applicant organization failed to qualify as a responsible Bidder, refused to enter into a contract after an award has been made, failed to complete a contract during the past five (5) years, or been declared to be in default in any contract in the last five (5) years?

   If yes, please explain: No

4. Has the Bidder or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership? No

   If yes, give date, court jurisdiction, action taken, and any other explanation deemed necessary.

5. Person or persons interested in the proposal and Questionnaire Form _____ (have) Have NOT (have not) been convicted by a Federal, State, County or Municipal Court of any violation of law, other than traffic violations. To include stockholders over ten percent (10%). (Strike our inappropriate words).

   Explain any convictions on a separate sheet.

6. Lawsuits (any) pending or completed involving the corporation, partnership or individuals with more than ten percent (10%) interest:

   A. List all pending lawsuits:

      None

B. List all judgments from lawsuits in the last five years:

None

C. List any criminal violations and/or convictions of the Bidder and/or any of its principals:

None

7. Conflicts of Interest. The following relationships are the only potential, actual or perceived conflicts of interest in connection with this proposal: (If none, so state).

The Bidder understands that information contained in this Questionnaire will be relied upon by the City of North Miami in awarding the proposed Agreement and such information is warranted by the Bidder to be true. The undersigned Bidder agrees to furnish such additional information, prior to acceptance of any proposal relating to the qualifications of the Bidder, as may be required by the City Manager.

The Bidder further understands that the information contained in this questionnaire may be confirmed through a background investigation conducted by the City of North Miami Police Department. By submitting this questionnaire, the Bidder agrees to cooperate with this investigation, including but not necessarily limited to fingerprinting and providing information for credit check.

NORTH MIAMI
FLORIDA

I certify that the information and responses provided on this Questionnaire are true, accurate and complete. The Owner of the Project or its representatives may contact any entity or reference listed in this Questionnaire. Each entity or reference may make any information concerning the Contractor available to the Owner.

Dated February 27, 2014 **,20__**

CONSULTANT:

By Emmanuel Pacin

Its CEO

Sworn to and subscribed before me this 27th day of February ,20 14

Christine Lanfair

Notary Public

My Commission Expires:

Notary Public State of Florida
Christine Lanfair
My Commission EE 830372
Expires 11/05/2016

#15- A-5 Acknowledgement of Addenda

NORTH MIAMI
FLORIDA

FORM A-5

ADDENDUM TO BID DOCUMENTS

IFB NUMBER: 11-13-14

BID OPENING DATE: 3-4-14

To All Bidders:

It is the Bidder's responsibility to assure receipt of all addenda. The Bidder should verify with the designated Contracting Officer prior to submitting a proposal that all addenda have been received. Bidder's are required to acknowledge the number of addenda received as part of their proposals.

This form must be returned with your bid as acknowledgement of receipt of all addenda issued for this RFP,RFQ or IFB and must signed in the space provided below. Bidder's failure to return this form will be deemed non-responsive and will not be considered for contract award.

Design Build Services for North Bayshore Park Fishing and Viewing Pier

Please initial to acknowledge receipt of addenda pertaining to this contract:

Addendum No. 1	☑
Addendum No. 2	☐
Addendum No. 3	☐
Addendum No. 4	☐
Addendum No. 5	☐
Addendum No. 6	☐
Addendum No. 7	☐
Addendum No. 8	☐
Addendum No. 9	☐
Addendum No. 10	☐

Acknowledged by:
Name: Emmanuel Pacin
Signature:
Date: 2-27-14

#16- A-6 Disclosure of Subcontractors and Suppliers

NORTH MIAMI
FLORIDA

Form "A-6"

BIDDER'S DISCLOSURE OF
SUBCONTRACTORS AND SUPPLIERS

RFQ, RFP OR IFB NO. 11-13-14

DISCIPLINE_____

Team Composition Plan
Please provide the following for tracking purposes only:

Business Association	Business Name	*Business Address*	*Business* Phone #	Describe Type of Work to be Performed	% of Work	Diversity Class. *
Prime Contractor	Pac Comm, Inc.	4226 SW 70th Court, Miami, FL 3155	305-381-5157		100	H
Subcontractor	Olin Hydrographic Solutions	2900 Calusa Street Coconut Grove, FL 33133	305-619-2800	Surveying Engineering		
Subcontractor						
Subcontractor						
Subcontractor						
Subcontractor						
Subcontractor						
Subcontractor						
Subcontractor						
Joint Venture						

Diversity Classification:

A = Asian American *B = African American* *F = American Woman*
H = Hispanic American *N = Native American* *L=Local Vendor (North Miami)*

#17-A-7- Insurance Requirements

NORTH MIAMI
FLORIDA

Form "A-7"

General Insurance Requirements

Bidders must submit with their bid or proposal, proof of insurance meeting or exceeding the following requirements.

- Workers' Compensation Insurance – Statutory limits and Employer's Liability Insurance - $1,000,000

- Fidelity / Dishonesty Coverage - $500,000 per occurrence

- Professional Liability (Errors and Omissions) Insurance –

    1. $1,000,000 per occurrence, $2,000,000 aggregate on dedicated project limits with a deductible (if applicable) not to exceed $25,000.00 per claim (audited financial statements required). The certificate of insurance shall reference any applicable deductible;
    2. Claims made policy must have an extended coverage reporting period of two years past the coverage completion date;
    3. For Deductible programs or Self Insured Retention Programs an Irrevocable Letter of Credit or performance Bond for amount of SIR/Deductible is required.

- Commercial General Liability Insurance – preferably written on an occurrence form with $1,000,000 for each occurrence, to include contractual liability, personal & advertising injury, and products/completed operations.

- Automobile Liability Insurance – $1,000,000 combined single limit bodily injury & property damage.

The successful Bidder(s) must submit, prior to signing of contract, a Certificate of Insurance including the City of North Miami as additional insured for Commercial General Liability and Auto Liability Insurance. Consultant shall guarantee all required insurance remain current and in effect throughout the term of contract.

Please note: The insurance requirements listed above are general in nature and should only be used as an indication of the most frequently required levels of coverage. Actual requirements may vary and will be fully documented within each individual IFB/RFP.

#18-A-9- Bid Bond

Form "A-9"

Bidder Must Submit With Bid
BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, PAC Comm, Inc. as Principal, hereinafter called Contractor, and Travelers Casualty and Surety Company of America as Surety, are held and firmly bound unto the City of North Miami, Florida, as a municipal corporation of the State of Florida, hereinafter called the City, in the sum of five percent (5%) of the Base Bid amount of:

Five Percent of Amount Bid
(Written Dollar Amount)

dollars ($ 5%) lawful money of the United States of American, 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.

WHEREAS, the Contractor contemplates submitting or has submitted, a Bid to the City for the furnishing of all labor, materials, equipment, machinery, tools, apparatus, means of transportation for, and the performance of the Work covered in the Bid Documents which include the Project Manual, the detailed Plans and Specifications, and any Addenda thereto, for the Project No. 11-13-14 entitled, Design-Build Services for North Bayshore Park Fishing and Viewing Pier

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 five percent (5%) of the Base Bid be submitted with said Bid as a guarantee that the Bidder would, if awarded the Contract, enter into a written Contract with the City for the performance of said Contract, within ten (10) consecutive calendar days after notice having been given of the Award of the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Contractor within ten (10) consecutive calendar days after notice of such acceptance, enters into a written Contract with the City and furnishes the Performance and Payment Bonds, satisfactory to the City, each in an amount equal to one hundred percent (100%) of the Contract Price, and provides all required Certificates of Insurance, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the City of North Miami and the Surety herein agrees to pay said sum immediately, upon demand of the City, in good and lawful money of the United States of America, as liquidated damages for failure thereof of said Contractor.

NORTH MIAMI
FLORIDA

Form "A-9"

IN WITNESS WHEREOF, the above bounded parties have caused this Bond to be executed by their appropriate officials of the 3rd day of March, 2014.

WITNESS:

PRINCIPAL:
(If sole Proprietor or partnership)

(Firm Name)

BY

Title: (Sole Proprietor or Partner)

PRINCIPAL (If Corporation)

Pac Comm, Inc.
(Corporate Name)

BY
(President)

Attest:
(Secretary)

(CORPORATE SEAL)

COUNTERSIGNED BY RESIDENT FLORIDA AGENT OF SURETY:

(Copy of Agent's current License as issued by State of Florida Insurance Commissioner

Charles J. Nielson

SURETY:

Travelers Casualty and Surety Company of America

By:
Attorney-in-fact Charles J. Nielson

(Power of Attorney must be attached)

FLORIDA DEPARTMENT OF INSURANCE

CHARLES JACKSON NIELSON

A192265

Life

Gen. Lines (Prop. & Cas. Ins.)

ISSUED:06/21/91

705227

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

POWER OF ATTORNEY

TRAVELERS

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. 225989

Certificate No. 005544637

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

Charles D. Nielson, Charles J. Nielson, Mary C. Aceves, David R. Hoover, Gicelle Pajon, Olga Iglesias, and Arthur Colley

of the City of Miami Lakes, 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.

Any and all consents required by the Department of Transportation, or the Orlando-Orange County Expressway Authority, State of Florida, incident to the release of retained percentages and/or final estimates.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 28th day of June, 2013.

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

By: _____
Robert L. Raney, Senior Vice President

State of Connecticut
City of Hartford ss.

On this the 28th day of June, 2013, 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, 2016.

MARIE C. TETREAULT NOTARY PUBLIC CONNECTICUT

Marie C. Tetreault
Marie C. Tetreault, Notary Public

58440-8-12 Printed in U.S.A.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

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 3rd day of March, 20 14.

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.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

#19-A-14- References

NORTH MIAMI
FLORIDA

REFERENCES (Form A-14)

List a minimum of three (3)

Name: Florida Department of Environmental Protection Contact: 850-488-5372

Address: 3900 Commonwealth Blvd

City: Tallahassee State: FL Zip: 32399

Contact Person: Michael Foster

Phone: 850-488-3752 E-Mail: Michael.Foster@dep.state.fl.us

Type of Job Performed & Cost Repairing and stabilizing of 990' jetty system, forming and pouring of concrete caps, dewatering, Placement of granite boulders, carpentry, miscellaneous roadwork, electrical, mechanical, masonry, plumbing, painting

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Name: Fort Jefferson Dock & Pier Replacement Contact: Kyle Grindle

Address: 549 South Street

City: Qunicy State: MA Zip: 02169

Contact Person: Kyle Grindle

Phone: 617-890-0600 E-Mail: kgrindle@jaycashman.com

Type of Job Performed & Cost Pile driving within environmentally sensitive area, Demolition of existing piles and piers, installation of concrete support piles, installation of predrill of piel holes per DOT specifications, forming and pouring of concrete pile caps. This project was located in teh Dry Dortugas Marine Sanctuary, 70 miles off the coast of Key West, Florida

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Name: Waterways at Quiet Waters HOA Contact: Wes Scott

Address: 15600 SW 288th Street, Suite 304

City: Homestead State: FL Zip: 33033

Contact Person: Wes Scott

Phone: 954-480-7176 E-Mail: Wesscott33309@aol.com

Type of Job Performed & Cost Clearing and Grubbing of existing shoreline, laser grading of existing shoreline slopes, installation of 9,000 lf of ASB concrete mats, erosion control, installation of 1900 lf of aluminum sheet pile, installation of Mana Ray soil anchoring system, Installation of articulated block system along 2 miles of shoreline, restoration of sod and landscape

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PRINT

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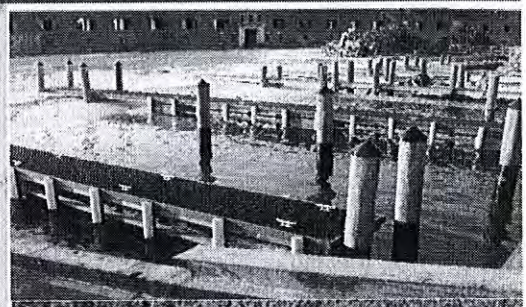

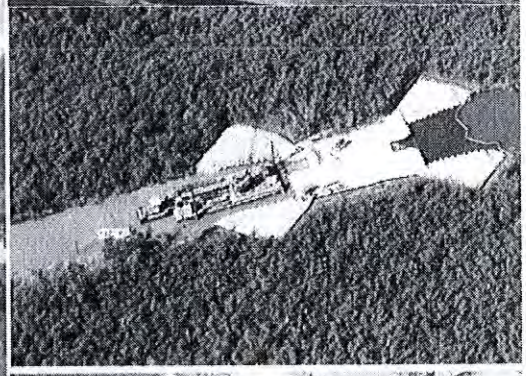

NORTH MIAMI
FLORIDA