

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME LIBERTY ENGINEERING, PC			3. YEAR ESTABLISHED 1995	4. DUNS NUMBER 94-131-7844
2b. STREET 4521 E Honeygrove Rd. Suite 108			5. OWNERSHIP	
2c. CITY Virginia Beach			a. TYPE Corporation	
2d. STATE VA	2e. ZIP CODE 23455-6008		b. SMALL BUSINESS STATUS Yes Veteran Owned	
6a. POINT OF CONTACT NAME AND TITLE Jan M. Harris, PE, President			7. NAME OF FIRM (if block 2a is branch office)	
6b. TELEPHONE NUMBER (757) 499-2791		6c. E-MAIL ADDRESS jan@libertyeng.net		
8a. FORMER FIRM NAME(S) (if any) NA			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	1	1	B02	Bridges	1
08	CADD Technician	2	2	C06	Churches, Chapels	1
57	Structural Engineer	3	3	C10	Commercial Buildings (low rise)	1
				C12	Communications Systems; TV Microwave	1
				D07	Dining Halls; Clubs, Restaurants	1
				F02	Field Houses; Gyms Stadiums	1
				F05	Forensic Engineering	1
				G01	Garages; Vehicle Maintenance Facilities; Parking Decks	1
				H01	Harbors; Jetties; Piers, Ship Terminal Facilities	1
				I01	Industrial Buildings; Manufacturing Plants	1
				L06	Lighting (Exteriors: Streets, Airfield Athletic Fields)	1
				O01	Office Parks, Industrial Parks	1
				R04	Recreation Facilities (Parks, Marinas, etc.)	1
				S03	Seismic Designs and Studies	1
				S04	Sewage Collection, Treatment and Disposal	1
				S05	Soils & Geologic Studies, Foundations	1
				S09	Structural Design; Special Structures	1
				S13	Storm Water Handling & Facilities	1
				T05	Towers (Self Supporting & Guyed Systems)	1
				W01	Warehouses & Depots	1
				W03	Water Supply Treatment & Distribution	1
				W04	Wind Tunnels; Research/Testing Facility Design	1
Total		6	6			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	2	2. \$100,000 to less than \$250,000	9. \$25 million to less than \$50 million	10. \$50 million or greater	
c. Total Work	3	3. \$250,000 to less than \$500,000			
		4. \$500,000 to less than \$1 million			
		5. \$1 million to less than \$2 million			

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE July 12, 2010
c. NAME AND TITLE Jan M. Harris, PE, President	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Jan M. Harris, PE	13. ROLE IN THIS CONTRACT Structural Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 32	b. WITH CURRENT FIRM 14
15. FIRM NAME AND LOCATION (City and State) Liberty Engineering, PC Virginia Beach, Virginia		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer: VA, NC, WV, MD, PA, NY, DE, CO Board Certified by the Structural Engineering Certification Board: #1704	
16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Engineering , 1993, Old Dominion University, Norfolk, Virginia, Structural Engineering Emphasis Bachelor of Science , 1978, School of Civil and Environmental Engineering, Cornell University, Ithaca, New York			

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Harris has a diverse background in construction and design. Prior to self-employment at Liberty Engineering, he worked in both small and large consulting engineering firms and served as a commissioned officer in the US Army Corps of Engineers. He has successfully designed or managed over 250 federal design projects. He has participated in over 60 Indefinite Quantity Contracts including Structural, Civil/Structural, Mechanical/Electrical and Architectural. He has completed several federal design projects using metric units. **ASCE Fellow, NSPE Member, AISC Member, ECHR President (1996)**

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
CEC Coal Unloading Project	2006	2007
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager and structural engineer for construction of a 360 foot trestle and 360 ft by 50ft coal pier for unloading 55,000 MT colliers. The pier will support a conveyor system and two 100 ton traveling hoppers when complete. Seven mooring or berthing dolphins are provided for mooring and wharfing ships up to 600 feet in length. Liberty Engineering provided IBC Special Inspections for this project. Construction cost of \$10,000,000.		
Marina Renovations and Expansions; Fort Monroe, Hampton, VA and Naval Station Norfolk	2002	2004
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Prime Design Professional for two NAF marina improvements design-build contracts. Naval Station contract added 24 slips on precast concrete floating dock system at a cost of \$625,000. Fort Monroe contract included 144 slips on timber floating piers, 750 feet of timber pile wave screen, bathhouse parking lot and major power, water and sewage utility improvements at a cost in excess of \$3,000,000. ADA compliance at Fort Monroe included a timber ramps and a custom gangway serving one of the floating docks		
BT-11 Fuel Facility Improvements, Piney Island MCAS Cherry Point, NC	2003	2006
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineer for reinforcement of bulkhead, pier repair and new tank foundations for remote fueling station. Cantilever bulkhead had originally been installed as an emergency measure to protect fuel facility and was failing. Helical pile tie backs were designed to stabilize wall. Site is subject to flooding and new tank foundations included helical piles to offset flotation of empty tanks during flood events.		
Little Island Pier Improvements Virginia Beach, VA	2006	2006
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Prime Design Professional for City CIP project to extend existing fishing pier to the dune line. Design features including regarding through the dune line, curving sidewalk approach, pile supported, timber framed walkways and ramps leading to the beach and to the existing fishing pier, wood railings, fish cleaning station, site lighting, water service. Several features supporting compliance with the Americans with Disabilities Act (ADA) were incorporated into the work including appropriate ramp slopes, courtesy landing beach observations from wheelchairs, accessible fishing areas and accessible fish cleaning station. Construction cost of \$360,000		
Dredge Transfer Station Bulkhead at Crab Creek Virginia Beach, VA	2007	TBD
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural consultant for design of a tied-back steel bulkhead, approximately 200 feet long. A crane will unload dredged material from barges and transfer it to trucks at this facility. Construction cost of \$400,000		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Garold L. Moore, PE	13. ROLE IN THIS CONTRACT Structural Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 27	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)
 Liberty Engineering, PC Virginia Beach, VA

16. EDUCATION (DEGREE AND SPECIALIZATION) Graduate Studies, 1987-1989 Old Dominion University, Norfolk, Virginia, Structural Engineering, Port Design Bachelor of Science, 1983, Civil Engineering, Old Dominion University, Norfolk, Virginia	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer: VA, NC
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Moore is experienced in the design of steel, concrete, masonry and timber structures. He has worked for federal, industrial, state, municipal and private clients on a wide variety of new construction, renovation and repair projects. He has participated in Indefinite Quantity Design Contracts including Structural, Civil/Structural, and Civil. He has completed design projects using metric units and is familiar with federal design standards. AISC Member, ASCE member.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. Norfolk Dredging Bulkhead (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural engineering services for the design of approximately 800 linear feet of steel bulkhead. Anchor rods, tiebacks, deadman, mooring points for barges provided along the length of the project.	2006	TBD
	<input checked="" type="checkbox"/> Check if project performed with current firm	
b. Pier F Replacement Naval Base Norfolk (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager and structural engineer for a design-build project to replace a dilapidated timber pier's deck in its entirety. Based on an underwater survey, selected pier pilings were also replaced. Several fender systems were investigated and two alternate designs were provided for consideration. Approximate pier size is 400 feet by 28 feet with provisions for berthing six tug boats. Performed calculations for tug berthing and mooring studies as required to complete the project	2007	Ongoing
	<input checked="" type="checkbox"/> Check if project performed with current firm	
c. Little Island Pier Improvements, Virginia Beach, VA (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural engineer for design of extension of fishing pier from water line to dune line. The entire facility was made wheelchair accessible including replacement of railings along the fishing stations. Site lighting, power distribution were included in this project.	2005	2006
	<input checked="" type="checkbox"/> Check if project performed with current firm	
d. Haven Creek Boat Ramp Norfolk, VA (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project structural engineer for a replacement boat ramp. Project includes boat ramp capable of being constructed without dewatering or cofferdams at the site, bulkheads, timber-framed pedestrian walkways and courtesy piers, floating canoe/kayak launching pier with aluminum gangway. Ramps and gangways designed for compliance with Americans with Disabilities Act (ADA). Construction Cost \$1,500,000	2006	Ongoing
	<input checked="" type="checkbox"/> Check if project performed with current firm	
e. Vacuum Sewage Pumping Station Langley AFB, VA (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural engineer for design of 3000 square foot vacuum type sewage lift station serving family housing area. Project includes, elevated loading dock, finish floor elevated above 100 year flood elevation and below grade, deep well vacuum tank room. Cast in place concrete foundations, masonry walls with brick veneer and precast concrete elements were incorporated into the design.	2005	Ongoing
	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Benjamin J. Curtis, EIT	13. ROLE IN THIS CONTRACT Intern Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 4	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION (City and State)
 Liberty Engineering, PC Virginia Beach, VA

16. EDUCATION (DEGREE AND SPECIALIZATION)
Bachelor of Science, 2005, Civil Engineering,
 Old Dominion University, Norfolk, Virginia

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
 Engineer in Training, VA

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Curtis is a young engineer with an excellent work ethic. Liberty Engineering is pleased to have this 2006 addition to our staff.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	CEC Coal Unloading Project	2006	2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineering design of beam and slab components. Provided construction phase inspections of the work.		
b.	Pier F Repairs Naval Base Norfolk	2007	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project structural engineer for a design-build project to replace a dilapidated timber pier's deck in its entirety. Based on an underwater survey, selected pier pilings were also replaced. Several fender systems were investigated and two alternate designs were provided for consideration. Approximate pier size is 400 feet by 28 feet with provisions for berthing six tug boats. Performed calculations for tug berthing and mooring studies as required to complete the project		
c.	Hawk Towert Kiptopeke State Park	2007	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineer for design of a wood framed tower for hawk spotting and other research.		
d.	Pier 86, 1 Intrepid Square New York New York	2007	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Performed engineering calculations, designed lifting arrangements for precast concrete components Prepared shop drawings for precast concrete components of a		
e.	Dredge Transfer Station Bulkhead at Crab Creek Virginia Beach, VA	2007	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural consultant for design of a tied-back steel bulkhead, approximately 200 feet long. A crane will unload dredged material from barges and transfer it to trucks at this facility. Construction cost of \$400,000		

Block H :

Liberty Engineering is a professional corporation licensed in accordance with the laws of the Commonwealth of Virginia to provide professional engineering and architectural services. Jan M. Harris, PE founded the firm in 1995 to provide structural engineering design services. Mr. Harris has over 30 years of experience in design and construction. Liberty Engineering can assign up to three design professionals and three technicians to our design projects. We are specialists in the design and evaluation of structural systems for foundations, buildings, bridges and public or industrial infrastructure made of wood, steel, aluminum, masonry and concrete

Liberty Engineering serves a diverse clientele including private and government facility owners, architects, consulting engineers, general contractors and specialty contractors. Our specialty contractor clients include communications equipment suppliers, structural steel fabricators, manufacturers of canopies and awnings, glazing contractors, light gage cold-rolled steel installation contractors and masons. We take pride in our ability to successfully work with clients from the entire breadth of the facilities design, management and construction industries.

Liberty Engineering maintains a modern, fully equipped office in the heart of Virginia Beach. State of the art computer, fax, printing and telephone systems allow for efficient, high quality service. Liberty Engineering is available on the internet. Visit our website: www.LibertyEng.net. In addition to word processing, spreadsheet and accounting software, we have software for computer aided design and drafting. The firm has the latest releases of IES Visual Analysis and AutoCAD 2010. Visual Analysis is a structural analysis program. AutoCAD is a popular computer aided drawing program. The REVIT STRUCTURAL software, paired with AutoCAD for Building Information Modeling is a new addition to our toolbox. Liberty Engineering is a member of the Hampton Roads Chamber of Commerce and the Builders and Contractors Exchange. The firm has certificates of authority to perform engineering work in Virginia, North Carolina, West Virginia, Delaware, Colorado and New York.

Our staff is committed to continual improvement of our services. We remain abreast of current issues in engineering by actively participating in continuing education efforts, local and national professional societies, by corresponding with design and construction professionals worldwide via internet interest groups sponsored by engineering societies and private individuals, and by pursuing appropriate professional development opportunities.

AWARDS And Quality Of Past Performance On Similar Projects:

Liberty Engineering received numerous high marks for its work on the Fort Monroe Marina. The Design-Build Team earned an "Above Average Performance Rating" from the Norfolk District Corps of Engineers. The design team contributed by garnering "Outstanding" ratings for the performance elements: Cooperation and Responsiveness; As-Builts; "Above Average" ratings were received for elements related to Quality of Design, Submittals, Management, Coordination, Professional Conduct, and Timely Performance. No elements of the evaluation were rated as less than "Satisfactory".

The Virginia Beach Planning Commission cited the Lynnhaven Boat Ramp project as the outstanding municipal project of 2003. The project also was cited by the Virginian Pilot as runner-up municipal improvement in their annual "Best of the Beach" Awards.

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
 (Present as many projects as requested by the agency, or 10 projects, if not specified
 Complete on Section F for each project

20. EXAMPLE PROJECT KEY NUMBER

X

Little Island Fishing Pier Improvements

22. YEAR COMPLETED

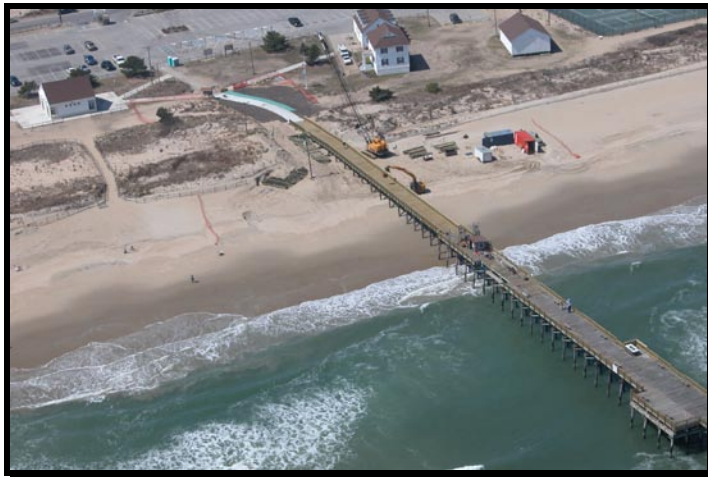
PROFESSIONAL SERVICES 2005	CONSTRUCTION (if applicable) 2006
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23. PROJECT OWNERS INFORMATION

a. PROJECT OWNER City of Virginia Beach, VA	b. POINT OF CONTACT NAME Phil Roehrs, PE Public Works, Beach Management	c. POINT OF CONTACT TELEPHONE NUMBER (757) 385-4167
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost):

Structural Design and project management for a landward extension of an ocfenfront fishing pier. Work included replacement of site lighting, water line, providing sidewalk and site grading and a beach access and dune walkover. Accessibility by wheelchair throughtout the facility was an owner priority. Estimated cost (in thousands): Entire Project: 425 Work for which the firm was responsible: 425



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Liberty Engineering, PC	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Lead Design Firm, Structural Engineer
b.	(1) FIRM NAME Waterway Survey & Engineering	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Surveying, Waterline Design
c.	(1) FIRM NAME GeoEnvironmental Resources, Inc	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Project Geotechnical Engineer
d.	(1) FIRM NAME Cherwa Ewing, PC	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Project Electrical Engineer

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified
Complete on Section F for each project

21. EXAMPLE PROJECT KEY NUMBER

X

Chesapeake Energy Center
Coal Unloading Project
Pier and Trestle Design by Liberty Engineering, PC

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2006

CONSTRUCTION (if applicable)
2007

23. PROJECT OWNERS INFORMATION

a. PROJECT OWNER

Chesapeake Energy Center
Dominion Power

b. POINT OF CONTACT NAME

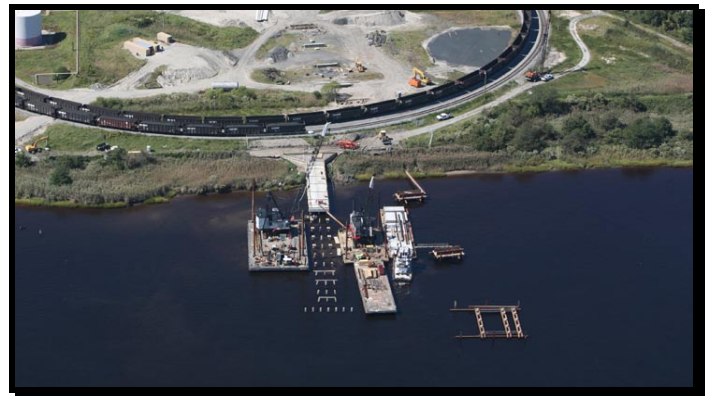
Bob Jackson

c. POINT OF CONTACT TELEPHONE NUMBER

(757) 485-6623

25. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost):

Structural Design construction of a 360 foot trestle and 360 ft by 50ft coal pier for unloading 55,000 MT colliers. The pier will support a conveyor system and two 100 ton traveling hoppers when complete. Seven mooring & berthing dolphins are provided for mooring and wharfing ships 600 feet in length.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Liberty Engineering, PC	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Structural Engineer Marine Facilities
b.	(1) FIRM NAME GeoEnvironmental Resources, Inc	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Project Geotechnical Engineer

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified Complete on Section F for each project)

22. EXAMPLE PROJECT KEY NUMBER

X

Pier F Repairs
Norfolk Naval Base, Norfolk, VA

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2007

CONSTRUCTION (if applicable)
2008

23. PROJECT OWNERS INFORMATION

a. PROJECT OWNER

PWD Norfolk, NAVFAC Mid-Atlantic

b. POINT OF CONTACT NAME

Jennifer Britt, EIT

c. POINT OF CONTACT TELEPHONE NUMBER

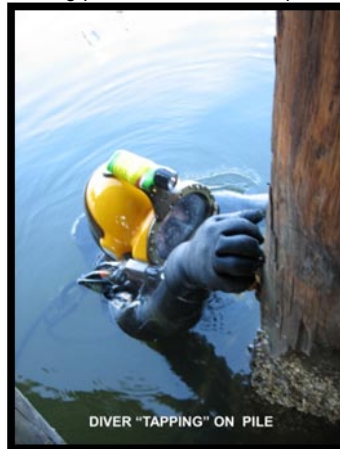
(757) 444-1138 ext 3143

26. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost):

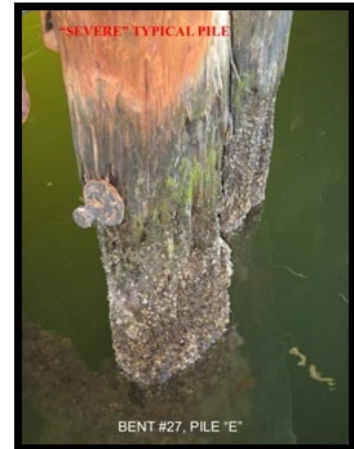
This project was awarded as a design-build contract to Pipeline Industrial Group. The facility is used primarily by contracted private tug companies that are providing services to the Navy. Liberty Engineering provided design services to Pipeline's major subcontractor, Marine Contracting Corporation. Marine Contracting is a longtime Liberty Engineering client with whom we have completed over \$25 million dollars worth of design build construction. Their project role in construction mirrored Liberty Engineering's design scope of work. This included: Removal and replacement of all wood framing for deck including pile caps, stringers, deck, curbs and fender system wales. An enhanced framing design for mooring cleats was provided in lieu of replacement in kind, which had been determined as inadequate. Based on the underwater survey by Seaward Marine, selected timber pilings are to be removed and new piles provided. Construction of a replacement fender system was not included in the construction portion of the contract but Liberty Engineering provided design of options for fender system replacements for selection by the Navy. Two fender systems were designed as additive alternates to the contract- a replacement of the traditional wood fender pile system and an improved fender system consisting of "tug landing pads" (wood framed panel) backed by rubber fender blocks anchored to the deck.



Existing Pier F, Deck



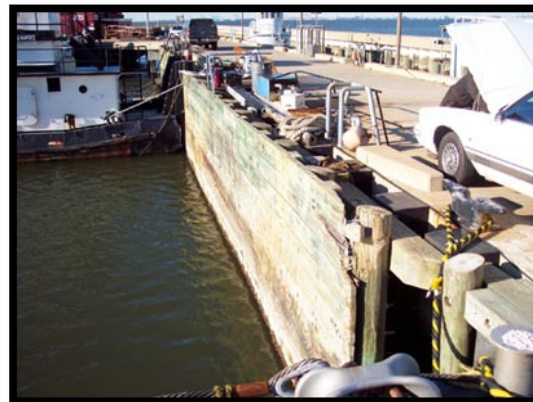
Diver



Deteriorated Pile



Detail of Tug Pad



Tug Pad Similar to Proposed for Pier F

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Liberty Engineering, PC	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Lead Design Firm, Structural Engineer
b.	(1) FIRM NAME Waterway Survey & Engineering	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Topographic Surveying,
c.	(1) FIRM NAME GeoEnvironmental Resources, Inc	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Project Geotechnical Engineer

**EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S
QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified
Complete on Section F for each project

23. EXAMPLE PROJECT KEY NUMBER

X

21. TITLE AND LOCATION <i>(City and State)</i> Lynnhaven Boat Ramp Virginia Beach, VA	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2003	CONSTRUCTION <i>(if applicable)</i> 2004

23. PROJECT OWNERS INFORMATION

a. PROJECT OWNER City of Virginia Beach, VA	b. POINT OF CONTACT NAME Phil Roehrs, PE Public Works, Beach Management	c. POINT OF CONTACT TELEPHONE NUMBER (757) 385-4167
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27. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost):
Structural design of site work related improvements.
Prepared construction contract documents with a unit price bid schedule for:
Four-lane boat ramp of precast concrete planks on screed beams; with adjacent precast concrete sheet pile retaining walls.
Wood framed finger piers and docks supported on timber piles; Reinforced concrete retaining walls to protect adjacent highway, parking lots and new bathhouse.
Liberty Engineering provided coordination of landside site plan with channel dredging plans.
During design and review phases Liberty Engineering provided cost studies and other evaluations for the use of various fastener finishes and the use of plastic, fiberglass and recycled framing materials.
The Virginia Beach Planning Commission cited the Lynnhaven Boat Ramp project as the outstanding municipal project of 2003. The project also was cited by the Virginian Pilot as runner-up municipal improvement in their annual "Best of the Beach" Awards.
Estimated cost (in thousands)
Entire Project 1,600
Work for which the firm was responsible 650



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Lead Design Firm, Civil
b.	(1) FIRM NAME Liberty Engineering, PC	(2) FIRM LOCATION Virginia Beach, VA	(3) ROLE Structural Engineer, Site
c.	(1) FIRM NAME	(2) FIRM LOCATION	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION	(3) ROLE