



Norwalk City Hall,
Recreation and Parks
Department
125 East Avenue, PO Box 5125
Norwalk, CT 06856-5125
203-854-7806

**RECREATION, PARKS & CULTURAL AFFAIRS COUNCIL COMMITTEE
BY VIDEO CONFERENCE AND TELECONFERENCE
WEDNESDAY, OCTOBER 13, 2021
7:00 PM
<https://www.norwalkct.org/Meetings>**



Members of the public can call in and listen to a meeting. They will not be able to speak or see any of the meeting participants. Each meeting will use a unique Meeting/Webinar ID. Please find the information using the link above.



Members of the public who wish to provide "live comments" will need to register in advance and use the Zoom meeting platform. All participants will be muted upon entering the meeting. To speak, click the "raise your hand indicator" and you will be called on by the host of the meeting during the public comment section. Please find the information using the link above.



Members of the public who wish to view the meeting, but are not participating, can view a live stream on the City of Norwalk YouTube channel. This stream is delayed by approximately 20 seconds. Please find the information using the link above. The meeting recording and minutes will be posted on the City of Norwalk website within seven (7) days after the meeting.



Members of the public who wish to provide public comment are encouraged to submit those via email in advance of the meeting. For these comments to be read into the record, they should be submitted at least three hours in advance of the meeting start time. Please email Dilene Byrd at dbyrd@norwalkct.org to provide written public comment prior to the meeting.

- I Roll Call
- II Minutes of September 8, 2021
- III Public Participation
- IV **Old Business**
- V **New Business**

The City of Norwalk reserves the right to cancel the Event for public health or safety reasons as determined by the City of Norwalk in its sole discretion. The City of Norwalk shall not be liable for damages arising from the cancellation of the Event.

1. Authorize the Mayor, Harry W. Rilling, to execute an Agreement between the City of Norwalk and Race Coastal Engineering, for Professional Engineering Services for the Design and Permitting for the Replacement of the Veterans Memorial Park Public Marina Docks, for a sum not to exceed \$95,898.00, account no. 0922-6030-5777-C0367.

2. Authorize purchasing agent, Sharon Conners, to execute a purchase order with M. E. O'Brien & Sons for the Oyster Shell Park Playground, poured in place surfacing for a sum not to exceed \$75,320.00 from account no. 0922-6030-C0364.

VI **Discussion**



CITY OF NORWALK
RECREATION, PARKS & CULTURAL AFFAIRS COUNCIL
REGULAR MEETING
BY VIDEO CONFERENCE AND TELECONFERENCE

September 8, 2021

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ATTENDANCE: Darlene Young, Chair; Thomas Keegan; Kadeem Roberts; John Kydes; Manny Langella

STAFF: Ken Hughes, Interim Director, Parks and Recreation

OTHERS: Yohann Offredo, , Kenguru Professional US

I. ROLL CALL

Ms. Young called the meeting to order at 7:00PM and stated that a quorum was present.

II. MINUTES OF AUGUST 11, 2021.

**** MR. ROBERTS MOVED TO APPROVE THE MINUTES OF AUGUST 11, 2021 AS SUBMITTED.**
**** THE MOTION PASSED UNANIMOUSLY.**

III. PUBLIC PARTICIPATION

There was no public participation this evening.

IV. OLD BUSINESS

1. Veterans Park Memorial, progress update

Mr. Hughes provided an update and said he and Mr. DeWitt have been working together and have received three quotes for the creation and installation of the monument and the low bidder has been selected. He said the monument will be installed over the next few months and we did find the funds to pay for the monument.

2. City Hall 9/11 Memorial, progress update

Mr. Hughes provided an update and said that a company was selected to move the monument along with a few benches to City Hall from Veterans Park and have since had the flagpole refinished and painted, and is now in the process of speaking with some contractors to install a small paver patio area near the flagpole.

V. NEW BUSINESS

1. APPROVE THE USE OF FOX RUN SCHOOL AND IMMEDIATE SURROUNDING GROUNDS BY LIGHTFOOT RUNNING CLUB FOR THEIR SAM ALPERN MEMORIAL HALF TO BE HELD SUNDAY, SEPTEMBER 19, 2021 FROM 10:30AM-11:00AM. SET-UP TO BEGIN AT 7:00AM AND TEAR DOWN NO LATER THAN 11:30PM. ESTIMATED ATTENDANCE 150.

Mr. Capone provided a brief overview of the event and said this will be the 44th season the event will be held and are looking forward to another nice event.

**** MR. KEEGAN MOVED TO APPROVE THE USE OF FOX RUN SCHOOL AND IMMEDIATE SURROUNDING GROUNDS BY LIGHTFOOT RUNNING CLUB FOR THEIR SAM ALPERN MEMORIAL HALF TO BE HELD SUNDAY, SEPTEMBER 19, 2021 FROM 10:30AM-11:00AM. SET-UP TO BEGIN AT 7:00AM AND TEAR DOWN NO LATER THAN 11:30PM. ESTIMATED ATTENDANCE 150.**

**** THE MOTION PASSED UNANIMOUSLY.**

2. APPROVE THE USE OF CALF PASTURE BEACH AND IMMEDIATE SURROUNDING GROUNDS BY WILLIAM RAVEIS CHARITABLE FUND FOR RAVEIS RIDE AND WALK 2021 TO BE HELD SUNDAY, OCTOBER 17, 2021 FROM 7:00AM-2:00PM. SET UP TIME 5:00AM AND TEAR DOWN NO LATER THAN 3:00PM. APPROXIMATE ATTENDANCE: 400 PEOPLE

The item was removed from the agenda.

3. APPROVE THE USE OF VETERANS PARK AND OYSTER SHELL PARK AND IMMEDIATE SURROUNDING GROUNDS BY THE CLUB CONNECTICUT FOR THEIR O'NEILL'S 5K TO BE HELD ON SUNDAY, SEPTEMBER 26, 2021 FROM 10:00AM TO 11:00AM. SET UP TO BEGIN AT 8:00AM WITH A TEAR DOWN NO LATER THAN 10:45AM. ESTIMATED ATTENDANCE: 300 PEOPLE

A representative provided a brief overview of the event and said this is the 9th year the event will take place and the event has raised several hundred thousands of dollars for various charities, and this year the beneficiary will be the Norwalk Education Foundation. Mr. Kydes said that O'Neill's gives back to the community so much and thanked them for all that they do.

**** MR. ROBERTS MOVED TO APPROVE THE USE OF VETERANS PARK AND OYSTER SHELL PARK AND IMMEDIATE SURROUNDING GROUNDS BY THE CLUB CONNECTICUT FOR THEIR O'NEILL'S 5K TO BE HELD ON SUNDAY, SEPTEMBER 26, 2021 FROM 10:00AM TO 11:00AM. SET UP TO BEGIN AT 8:00AM WITH A TEAR DOWN NO LATER THAN 10:45AM. ESTIMATED ATTENDANCE: 300 PEOPLE**

****THE MOTION PASSED UNANIMOUSLY.**

4. APPROVE THE USE OF JOHN RYAN PARK AND IMMEDIATE SURROUNDING GROUNDS BY THE TRINITY WASHINGTON VILLAGE FOR PHASE TWO LIMITED PARTNERSHIP FOR THEIR SOUNDVIEW LANDING RIBBON CUTTING TO BE HELD ON MONDAY, SEPTEMBER 20, 2021 FROM 11:30AM TO 2:00PM. SETUP TIME TO BEGIN ON SEPTEMBER 18, 2021 AT 2:00PM WITH A TEAR DOWN NO LATER THAN 5:00PM ON SEPTEMBER 20, 2021. ESTIMATED ATTENDANCE: 150 PEOPLE.

A representative provided a brief overview of the event and said he would answer any questions the committee had. Ms. Young asked how the food will be served. The representative said they will be working with a caterer to provide boxed lunches following the ribbon cutting ceremony.

**** MR. ROBERTS MOVED TO APPROVE THE USE OF JOHN RYAN PARK AND IMMEDIATE SURROUNDING GROUNDS BY THE TRINITY WASHINGTON VILLAGE FOR PHASE TWO LIMITED PARTNERSHIP FOR THEIR SOUNDVIEW LANDING RIBBON CUTTING TO BE HELD ON MONDAY, SEPTEMBER 20, 2021 FROM 11:30AM TO 2:00PM. SETUP TIME TO BEGIN ON SEPTEMBER 18, 2021 AT 2:00PM WITH A TEAR DOWN NO LATER THAN 5:00PM ON SEPTEMBER 20, 2021. ESTIMATED ATTENDANCE: 150 PEOPLE.**

**** THE MOTION PASSED UNANIMOUSLY.**

VI. DISCUSSION

1. Veterans Park, donation of exercise equipment, Kenguru Professional US, Yohann Offredo, discussion and possible action.

Mr. Offredo presented and said his company will be donating a pull up bar, Swedish wall, and parallel bars to Norwalk and although it is a small donation it can be added onto in the future. He said the three pieces of equipment will be enough for people to get a good workout, and he would like to have it installed in Veterans Park because a lot of people run by that area and a lot of people in the community meet there. He said once it is built his company can help to organize events and even world class competitions. Ms. Young asked what the dollar amount is of the equipment that will be donated. Mr. Offredo said approximately \$3,500 but will need to be installed using city resources. Mr. Langella said he thinks this is a great idea and is worth the cost

of the installation and suggested it be installed in an area where there is visibility. Mr. Keegan asked if there are any concerns regarding liability. Mr. Hughes said “no” because the equipment will be installed to the manufactures specifications and would fall under the same insurance liability as the playgrounds. Mr. Roberts said that the concept is a great idea but it will need to be installed at the proper location. Ms. Young said the committee members all like the idea but the parks get a lot of use and because we are starting a master plan study suggested this be included in that to be sure it is installed in the best possible location. She asked if the master plan process takes longer than what is anticipated if the equipment will be donated to the city and when the proper location is determined the equipment will be installed or if he is expecting once the equipment is delivered that it is installed. Mr. Offredo said he thinks the equipment will be donated to be installed whenever but he will have to confirm with his company and report back to Mr. Hughes.

2. Citywide dog ordinance, discussion and possible action

Mr. Hughes said that dogs have become an issue again which was prompted by the installation of the “no dogs allowed” signs at Oyster Shell Park. He said the city has a no dog policy at schools or park properties within the city limits not including Taylor Farm and sections of Cranbury Park. He said that he has met with Mr. McQuaid and one of the ideas they had come up with was to give people a hand out when they come in to register their dogs. He also said the existing dog ordinance needs to be updated because there are other sites that should allow dogs but will be part of the master plan and a public hearing so the public can weigh in with their thoughts and ideas. Mr. Kydes asked Mr. Hughes if recommends dog park installation at Oyster Shell Park. Mr. Hughes said he did have some discussions with Redevelopment Agency regarding the possibilities of installing a dog park at Oyster Shell Park but there are limitations due to the land fill cap but are looking into that now.

ADJOURNMENT

**** MR. KEEGAN MOVED TO ADJOURN.**

**** THE MOTION PASSED UNANIMOUSLY.**

The meeting adjourned at 7:45PM.

Respectfully submitted,

Dilene Byrd



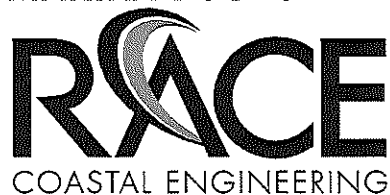
REQUEST FOR PROPOSAL #4154

ELECTRONIC DUE: SEPTEMBER 17, 2021 2:00 PM

HARD COPY DUE: SEPTEMBER 21, 2021 2:00 PM

CITY OF NORWALK

**DESIGN AND PERMITTING FOR REPLACEMENT
OF VETERAN'S MEMORIAL PARK PUBLIC
MARINA DOCKS**



PROPOSAL RESPONSE PREPARED BY:

RACE Coastal Engineering, LLC
611 Access Road
Stratford, CT 06615
P. (203) 377-0663
F. (203) 375-6561
www.racecoastal.com

CONTACT:

Devin Santa, PE, SECB
RACE Coastal Engineering
(203) 377-0663
devin@racecoastal.com

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CITY OF NORWALK REQUEST FOR PROPOSAL #4154

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Per RFP, "The selected Firm will NOT be required to provide testing equipment necessary to complete this project. During project estimation provide an anticipated test-ing schedule."	
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CITY OF NORWALK RFP #4154

**DESIGN AND PERMITTING FOR REPLACEMENT OF VETERAN'S MEMORIAL
PARK PUBLIC MARINA DOCKS**

SECTION B: EXECUTIVE SUMMARY

RACE
COASTAL ENGINEERING

Section b – Executive Summary

RACE Coastal Engineering (RACE) looks forward to the opportunity to work with the City of Norwalk to replace Veteran's Memorial Park Public Marina. **RACE** is an award-winning, professional engineering firm with the single purpose of providing specialty coastal engineering consultation. **RACE** has a 20-plus year business history of success providing a full range of professional engineering services, including marina studies, marina planning and design, regulatory permitting, coastal modeling, hydrographic surveys, pier and bulkhead inspections, dredging design, preparation of opinion of probable costs, and construction administration.

RACE's designs have been recognized with awards by the Connecticut Society of Civil Engineers, American Council of Engineering Companies (ACEC), American Shore and Beach Preservation Association and the American Society of Landscape Architects.

RACE has the qualifications and experience to expand the City's recreational access at Veteran's Memorial Park and improve the safety of the facility.

Brief History of RACE Coastal Engineering

RACE Coastal Engineering, LLC (formerly known as Roberge Associates Coastal Engineers, LLC (**RACE**)) was founded in 1999 under the name of founder John C. Roberge, PE, LLC with the professional mission ...“To provide responsive, quality coastal engineering services to clients, while maintaining the highest standards of excellence and integrity.” The company originally operated as a sole proprietorship under the name of John C. Roberge, PE, LLC until 2004 when the name changed to Roberge Associates Coastal Engineers, LLC to reflect our expanding growth of professional engineers. **RACE's** coastal engineering, hydrographic surveying, and marine structure design business continues to grow and in the first decade of our history, **RACE's** reputation as a regional industry leader was firmly established.

Devin Santa, PE joined the firm in 2001. In 2004, he assumed a Principal/Member role when the firm was renamed to Roberge Associates Coastal Engineers, LLC and since then was informally called **RACE** by clients and staff. In 2016, Roberge Associates Coastal Engineers Principals embraced its nickname “**RACE**” and renamed the firm **RACE Coastal Engineering**. Also in 2016, Azure Dee Sleicher, PE, ENVSP, joined the leadership team as Manager of Coastal Engineering and became Principal/Member in 2018.

Company Structure

RACE is a Connecticut licensed, award-winning Professional Engineering firm (PEC. 0001181) and is in good standing with Connecticut's Secretary of State's Office (Business ALEI 0630876). The **RACE** Team is led by Devin Santa, PE, Principal / President and Azure Dee Sleicher, PE, Principal / Vice President, Coastal Engineering. Founder John Roberge, PE maintains Senior Consultant and mentor status. Project Managers, Matthew Rakowski, PE, Steven Sternberg, PE and Jill Pietropaolo, PE round out the leadership team and are supported by a number of engineers, technical professionals and office staff.



RACE is committed to providing equal employment opportunities without regard to race, creed, color, national origin, sex, age, physical and learning disability, mental disorder, marital status, sexual orientation, citizenship status, ancestry, genetic information, veteran status, religion or any other basis protected by applicable federal, state or local laws.

Key Personnel

Our in-house personnel maintain significant expertise in structural, coastal and geotechnical engineering disciplines, as well as thorough knowledge of the regulatory process. With 14 people on staff, including 10 Engineers – seven of whom are licensed Professional Engineers and five also hold advanced degrees specific to Coastal Engineering, **RACE** is well structured with experience and depth to design solutions that are resilient and cost-effective while reducing environmental impacts and providing long term performance.

We have become experts in our field, not only through advanced degrees and credentials, but by having a 20+ year history of delivering successful projects. Many of our clients are long-term and repeat clients, such as the City of Norwalk and the Town of Greenwich, CT. Please feel free to contact Mr. Ken Hughes, Superintendent of Parks and Public Property, City of Norwalk, at (203) 854-7814 and Mr. Brian Kerzner, Superintendent of Marine Facilities, Town of Greenwich at (203) 496-6166. Such relationships and successful project completion are founded upon building trust, showing respect and gaining consensus, not only with the management at the municipal offices, but the individual facility operators, users and even the regulators at the State and Federal agencies who issue the permits for the projects.

RACE's Principals, Devin Santa, PE, President & Person-in-Charge (CT P.E.N. 0021424), and Azure Dee Sleicher, PE, Vice President of Coastal Engineering, will be actively involved in all elements of the Replacement of Veteran's Memorial Park Public Marina Docks. Mr. Santa is a licensed Professional Engineer, Hydrographer, and USCG 100-ton Near Coastal Master Licensed Boat Captain. Ms. Sleicher brings extensive experience in analysis, design and permitting of waterfront parks and private and public marina facilities. Ms. Sleicher has 20 years of experience with the regulatory requirements of the USACE, CT DEEP and numerous Connecticut cities and towns.

Mr. Matthew Rakowski, P.E. (RACE) will be the Project Manager for the Replacement of Veteran's Memorial Park Public Marina Docks. Mr. Rakowski has significant professional experience with numerous municipal and public park projects including managing the **Veteran's Park Boat Ramp and Floating Docks Project** that was completed in 2017. Mr. Rakowski worked with the City on layout alternatives to provide the maximum amount of berthing area, acquired permits, designed and compiled construction documents for the improvement of the 58,200 sf parking lot, replacement of the timber pile supported boat ramp and the pile supported concrete boat ramp and the replacement of the existing floating dock facility.

Mr. Rakowski will lead a **RACE** team of structural, coastal and regulatory engineers, specifically **Steven Sternberg, PE, Jill Pietropaolo, PE, Matthew Williams, PE and Suzy Bradford, EIT.** Their resumes and GSA 330s follow in this proposal.

The **RACE** team will be complemented by **Mr. Donald Peterson, PE,** Chief Executive Officer of The Peterson Engineering Group. Experienced in the disciplines of electrical, fire protection,



plumbing and energy management, Mr. Peterson will be designing the electrical improvements and plumbing connections as necessary for the project.

Mr. Lawrence Posson, PLS, Director of Surveying with **Redniss & Mead** (Stamford, CT), will perform a partial site survey at Veteran's Park as well as provide benchmarks within the vicinity of the project. Mr. Posson has over thirty years' experience in the land surveying profession. Mr. Posson's experience includes mapping and processing for local, state and Federal agency permits including Planning & Zoning, Conservation Commission, Army Corps of Engineers and Department of Energy and Environmental Protection.

Tom Hardiman of Hardiman Company & Associates, a professional and highly experienced test boring contractor, will be collecting soil borings for this project. Soil data and samples collected from Mr. Hardiman will provide the basis for the float anchor design.

Key Qualities and Experience with Similar Current Projects

RACE has a long history of working with Connecticut municipalities to protect and improve their waterfront and related facilities. We have worked with every coastal municipality in Fairfield County and we have an in-depth understanding of how each project will interact with the local coastal environment and how that environment will have an impact on the project. **RACE** has designed numerous public waterfront facilities and are familiar with the required ADA-compliant components for such facilities including ramps, walkways and railings.

We specialize in waterfront structures and providing clients with the skills and expertise to bring a project from start to finish. We assist our clients through the following stages of a project:

- Site Investigations
- Concept Development
- Preliminary Design
- Regulatory Permitting
- Final Design
- Bidding
- Construction Administration
- Project Closeout

RACE completed, from initial planning and design through permitting and construction, the City of Norwalk's new Veteran's Memorial Park Boat Ramp and Floating Docks Project. The new design provides increased water depths at the toe of the boat ramp, maximum amount of berthing area, enhanced parking, and upgraded utilities. **RACE** assisted the City in acquiring permits, completing design, preparing specifications, bidding, and construction administrative services for the parking lot improvements, replacement of the deteriorated timber pile supported boat ramp and the replacement of the existing floating dock facility.

We pride ourselves in maintaining comprehensive knowledge of regulatory statutes applicable to coastal projects. We have extensive experience working with environmental analysts at federal, state and local levels.



To fully support our coastal and structural engineering design activities, **RACE** maintains current and industry standard computer design and modeling software. Software applications maintained by **RACE** are utilized for:

- Coastal Engineering; including, wave prediction, wave transformation, wave runup and overtopping, littoral processes, sediment transport, and structural loading
- Structural Engineering; including, structural analysis, structural design, member properties
- Geotechnical Engineering; including, bulkhead design, retaining wall design, and axial and lateral pile analysis
- Hydrographic Surveying; including, pre-planning, survey navigation, and data processing
- General Civil Engineering; including, land development, volume computations, and drafting

As far as preparation of engineering estimates for construction (OPCs), **RACE** maintains a database of project bid, material costs and production rates based on past projects that is used as an initial baseline. **RACE** will then “build” the project on paper, determining material quantities and latest costs for materials with location-specific construction wages and equipment rates. Marine construction is unique for its many challenges in the field, including but not limited to, material and equipment access (e.g., barge-based work), tide and weather dependency, unforeseen underwater conditions, etc. **RACE**’s experience on marine projects and understanding of the challenges contractors face allows us to determine production rates more accurately in the development of both OPCs and construction schedules.

Understanding of Project Requirements

RACE is intimately familiar with the facilities and the shoreline of Norwalk, CT and has provided our coastal engineering expertise on projects critical to the City and to the residents and businesses in the City. As previously discussed, **RACE** has worked closely with the Recreation and Parks Services Department on the design, regulatory approval, and related construction for the Veterans Memorial Park Boat Ramp, Floating Docks and Visitors Dock facilities. Additionally, **RACE** has performed professional engineering services for the City of Norwalk’s Captain William Clark Pier, Veteran’s Park Commercial Pier, Veteran’s Park Dredging, and Rowayton Docks.

RACE understands the requirements for replacing Veteran’s Memorial Park Public Marina Docks. Not only are we professional engineers and designers but we are waterfront enthusiasts as well. We work on the water, we play on the water and we understand the shoreline and related challenges from both an end-user and professional standpoint. This understanding allows us to best serve our clients in the development of recreational boating facilities. We will draw upon 20-plus years of our extensive resume of waterfront projects, boating experience and our direct experience with the City for successful execution of this project. **RACE** is fully prepared and highly experienced to perform site investigations through construction administration for this project.

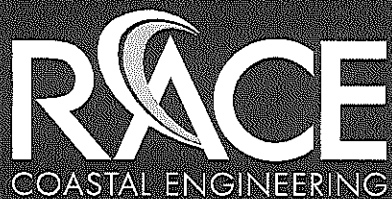




CITY OF NORWALK RFP #4154

**DESIGN AND PERMITTING FOR REPLACEMENT OF VETERAN'S MEMORIAL
PARK PUBLIC MARINA DOCKS**

SECTION C: SCOPE OF SERVICES



Section c – Scope of Services

Per the RFP, RACE understands that the Marina shall be designed to incorporate the following features:

- Two (2) separate Public Marinas of approximately 25 slips each to replace the existing.
- Slips shall be able to accommodate nineteen (19) feet long boats.
- A minimum of four (4) slips shall accommodate twenty (20) foot long boats.
- Jet ski docking on the North Public Marina parking lot docks.
- Approximately half of the total slips at the North Public Marina shall have jet ski slips and the other half shall be for small boats/dinghies.
- The new docks shall have power pedestal stations with water and electric power (200 amp single phase).

The following paragraphs identify the specific Scope of Services to be provided. **RACE's** Scope of Services will include the following tasks and subtasks as identified by the City:

Task 1 – Preliminary Design (30%) Work

- 1.1 Project Kick-off Meeting with City
- 1.2 Document Existing Conditions
 - Topographic and Bathymetric Survey
 - Existing Condition Review
 - Geotechnical Investigations
- 1.3 Concept Evaluation
 - Consider reuse of the existing piles and/or structures as appropriate
 - Perform evaluations of Code requirements and required regulatory permits
- 1.4 Prepare Opinion of Probable Cost (OPC)
- 1.5 Prepare Design, Permitting and Construction Schedule

Task 2 – 60% Design Work

- 2.1 Develop 60% Plans
- 2.2 Design Review Meeting with City
- 2.3 Prepare Permit Applications
 - Pre-application coordination
 - CTDEEP Structures, Dredging and Fill & USACE Individual Permit & Section 408 Coordination
 - City of Norwalk Coastal Site Plan Review
- 2.4 OPC Updates
- 2.5 Schedule Updates

Task 3 – Semi-Final Design and Permitting (90%) Work

- 3.1 Develop Semi-Final Design Plans, Details and Specifications
- 3.2 Design Review Meeting with City



- 3.3 OPC Updates
- 3.4 Schedule Updates

Task 4 – Final Design (100%) Work

- 4.1 Final Construction Drawings, Specifications for Bid & Bid Form
- 4.2 OPC Updates
- 4.3 Schedule Updates
- 4.4 Attend the Pre-Bid Walk-Thru
- 4.5 Assist City with RFI and Addenda
- 4.6 Bid Review
- 4.7 Pre-Construction Meeting

Task 5 – Construction Administration Services as Requested by the City

- 5.1 Perform construction administration support services as needed:
 - Shop Drawing and Submittal Reviews
 - Construction Schedule Review
 - Review of Schedule of Values and Applications for Payments.
 - Review of Requests for Information (RFI's)
 - Bi-weekly Project Progress Meetings
 - Twelve (12) site visits including the final Punch List inspections and follow-up visits.
- 5.2 Perform Project/Permit Closeout

The Scope of work identified below are considered *Basic Services* and are based on information provided in the RFP. It shall be understood by the Client that conditions may be revealed during the course of the project that were unknown during preparation of this proposal. Such conditions may require *Additional Services* to be performed. **RACE** would coordinate with the Client during the project to assess any additional scope of work and fees if required.

TASK 1 – PRELIMINARY DESIGN (30%) WORK

Task 1.1 – Project Kick-off Meeting with City

Upon receiving Notice to Proceed, **RACE** will prepare a Project Management Plan for this project and perform an internal kick-off meeting with the Project Team. The Project Management Plan (“PMP”) is a critical tool for providing a holistic understanding of the project requirements and constraints to the Project Team prior to initiation of the work. The PMP will identify roles, responsibilities and budget for each Team member. The PMP will be a living document, amended as necessary during the project, that identifies schedule, scope, budget, contacts, and risks associated with this project.

The **RACE** Project Manager will also have a preliminary kick-off meeting with the City officials and other project stakeholders as necessary to review the project. During this meeting, **RACE** will collect any additional site information to be provided by the City, including, but not limited to, historic topographic survey maps, feasibility reports, regulatory permits, condition reports, geotechnical data, and related documents that may be available. Specific design criteria, deliverable format requirements, scheduling, and related issues will also be discussed.



RACE Deliverable: Meeting Minutes

Task 1.2 – Document Existing Conditions

RACE will review the Client provided design documents from the last construction, historic topographic survey maps, feasibility reports, regulatory permits, condition reports, geotechnical data, and related documents that may be available.

- **Topographic and Limited Bathymetric Survey**

RACE will utilize the services of Redniss & Mead (“R&M”), a local survey and civil engineering firm with over sixty years of experience, to provide professional land surveying services required of this project. R&M will perform field survey and prepare a partial survey plan of the eastern portion of the park.

R&M will prepare an Existing Conditions Survey that will serve as the basis for the new design and permits. The survey will include a T-2 topographic survey with one-foot contours and spot elevations. The survey will include the intertidal area down to mean low water line (MLW), existing shoreline structures, the State Coastal Jurisdiction Line (CJL), high tide line (HTL) and mean high water line (MHW). Water depths at the end of each finger dock will also be recorded to determine bathymetry. Coastal resources including tidal wetland vegetation that will impact the design and permitting will also be identified. The survey will utilize a horizontal datum of CT NAD 83, and a vertical datum of NAVD88. Accessible above ground and below ground utilities will be recorded showing their positions, inverts, pipe sizes, type of materials, overhead wires, service ties, etc. The building and parking areas will also be included.

RACE Deliverable: Site Survey

- **Existing Condition Review (Above water)**

In conjunction with the physical survey described above, **RACE** will perform a supplementary field investigation which will include a condition assessment of the existing piers, docks and associated structures (pilings, etc.) by a Licensed Professional Engineer and a Field Technician/Engineer with extensive experience with coastal structures. **RACE** will perform an above water investigation (during low tide) to document conditions and identify elements that must be replaced, can be rehabilitated, or may remain. The above water inspection will be performed by a two-person team led by a Professional Engineer licensed in the State of CT over the course of one (1) day.

RACE will take photographs and measurements, and notes to identify conditions of various elements which will be used to annotate and supplement the Existing Condition Survey and inform the design phase.



RACE Deliverable: Annotated Site Plan with Condition Notes

- **Geotechnical Investigations**

Geotechnical data is critical to the design of the marina anchor pilings. **RACE** will prepare a soil boring plan and coordinate with a specialty drilling contractor to perform the borings. It is anticipated that four borings be obtained over the course of 3 days with a barge-mounted drill rig.

RACE will witness the soil test boring operations which will provide an opportunity to make necessary changes to the program prior to demobilization of equipment. Typical drilling operations call for sampling of the borings at 5-ft intervals or at each observed change in the characteristics of an exposed material strata.

Samples will be retrieved from the test borings, using standard split spoon (ASTM D 1586). Two (2) Shelby Tube samples (ASTM D 1587) will be obtained if cohesive sediments are found. Portions of the split spoon samples will be retained for subsequent laboratory testing. The Shelby tube samples, considered to be undisturbed, will be retained for more definitive laboratory analysis, including, but not necessarily limited to determination of shear strength, assessment of the Atterberg Limits and other properties as may be required.

RACE Deliverable: Boring logs and results of any lab testing

Task 1.3 – Concept Evaluation

Based upon the findings made during Tasks 1.1 and 1.2, discussions with the Client regarding waterfront access needs, the design guidelines of the regulatory agencies, and constraints such as the adjacent Federal Anchorage, **RACE** will prepare and provide the Client up to three (3) conceptual plan view layouts (10% level design) of proposed floating dock systems to accommodate the vessel types and sizes as listed in this RFP. The concepts will consider re-use of existing piles or structures as may be appropriate. The concept design provides overall dimensions of structures, material choices, and approximate quantities of primary components. Specific details and technical specifications are excluded from the design at the concept level. Drawings will be prepared in 24"x36" format.

*At present time, it is unknown whether the existing timber access piers are suitable for re-use. **RACE's** labor budget excludes design of new access piers and associated infrastructure such as shoreline headwalls that may be required for new piers. The need for new or repairs to existing piers will be determined in Phase 1.2. Additional design effort may be required if the piers require repair or replacement which will be considered Additional Services. A budget will be developed in coordination with the City if this is required.*

RACE will develop an Opinion of Probable Cost (OPC) for the proposed project (each marina section and total combined). The OPC will include estimates for materials, labor and equipment based on quantity take-offs from the concept design plans. In providing an OPC for any construction work, it shall be understood by the Client that **RACE** has no control over the cost or availability of labor, equipment, materials, market conditions, or the Contractors method of pricing. Any OPC provided by **RACE** is made on the basis of professional judgment and experience. **RACE** makes no warranty, express or implied, that any bids or negotiated cost of the Work will not vary from the OPC provided.



RACE will prepare a design, permitting and construction schedule for the proposed project. The permitting requirements/implications of each concept will be evaluated and discussed.

RACE will provide the concept plans, OPC and schedule information in a memo format to the City for review and comment prior to advancing to Task 2.

RACE Deliverable: Concept Plans, Summary Memo with OPCs and Schedule

TASK 2 – 60% DESIGN WORK

Task 2.1 – Develop 60% Plans

RACE will incorporate the City’s comments on the concepts and advance the selected alternative to 60% design stage which will begin to include other project components such power pedestal information and electrical needs, anchor pile design, and other standard details. **RACE** Coastal Engineers will perform an environmental analysis to determine wind, wave and current loads on the dock systems that the anchor piles must resist and perform pile analysis based on the geotechnical information.

RACE will update the OPCs (Task 2.4) and the project design, permitting and construction schedule (Task 2.5) as part of this process.

RACE Deliverable: 60% Design Plans, Updated OPC and Schedules

Task 2.2 – Design Review Meeting

RACE will attend a design review meeting with the City at the completion of the 60% set before advancing to permitting and the next design milestone.

RACE Deliverable: Meeting Minutes

Task 2.3 – Prepare Permit Applications

The proposed project will be subject to review and require permits from the CT Department of Energy and Environmental Protection (CT DEEP), the U.S. Army Corps of Engineers (USACE), and the City of Norwalk.

The CT DEEP and USACE application is typically undertaken in a three-step process that involves coordination with CT DEEP and other agencies to develop a mutually agreeable concept prior to actual submittal of the application and follow-up during their final review.

- **State and Federal Permit Pre-Application Coordination**

Once a preferred design is selected by the Client, **RACE** will coordinate with CT DEEP and other agencies in advance of actual permit application submission. At present time, a Structures, Dredging and Fill (SDF) permit is anticipated to be required by CT DEEP. If the



proposed site improvements could be permitted under a Certificate of Permission (COP) application, **RACE** will advise the City and proceed with the COP instead of the SDF.

RACE will prepare a preliminary “pre-application” package to be sent to the following agencies for review:

- State of Connecticut Department of Agriculture / Bureau of Aquaculture
- U.S. Army Corps of Engineers
- Norwalk Harbor Management Commission
- Norwalk Shellfish Commission
- DEEP Natural Diversity Database Program (BNR)

As part of this Phase, **RACE** will prepare a permit application drawing package in the required 8.5”x11” format for the proposed improvements that will include vicinity maps, tax assessor’s maps, existing and proposed plan view with typical cross-sections of the proposed structures.

This pre-application package includes a comment form that must be completed by that agency and included in the application package. The site is located in an area listed by the State of CT with the potential to contain State and Federal Listed Species and Significant Natural Communities. Therefore, the project will require a review by the Bureau of Natural Resources (BNR). This agency will review the proposed activities for impacts to any known extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur in the vicinity of this property. The results of this review must be included in the application. Preparation of this submittal is included under this task. Additional studies that may be required as a result of the BNR’s review are excluded from *Basic Services*.

Prior to filing the final SDF permit application, a notice in the local newspaper must be published. **RACE** will prepare the public notice and submit it to a local newspaper. A notarized copy of the public notice must be submitted to the Mayor’s Office. Additionally, notification letters must be sent to property owners within 500 feet of the proposed site. Proof of these submissions must be included in the application. **RACE** will prepare and submit the notices to the neighbors.

RACE anticipates one (1) site meeting with CT DEEP and City stakeholders during the pre-application process.

- **Preparation of State and Federal Permit Applications**

RACE will update the permit sketches based on comments received during the pre-application process, and prepare the forms, photographs, and narratives required for a Structures, Dredging and Fill Application to CT DEEP and an Individual Permit for the USACE. **RACE** has assumed a desktop Essential Fish Habitat (EFH) study and Endangered Species Act (ESA) coordination will be required by the USACE. Additional studies such as benthic habitat analysis or in-situ field studies are excluded from the *Basic Services*. The USACE will also require coordination under Section 408 due to proximity of the existing/proposed docks to the Federal Anchorage. **RACE** has recent and similar



experience in Section 408 permitting in Bridgeport Harbor.

Attendance at public meetings or review sessions by **RACE** staff, unless specifically noted, with the regulatory agencies is not a part of the *Basic Services* provided as a part of this proposal. Such attendance, approved by the Client, will be considered as *Additional Services* and invoiced at the approved rates shown as a part of this agreement.

- **Application Follow-up Services**

Subsequent to submittal of the permit application, **RACE** will respond to reasonable requests from the regulatory agencies concerning clarification or modification of the submitted applications. Included in the *Basic Services* of this Agreement are twelve (12) hours of professional services for this effort.

Fees and Other Additional Costs

Permit application fees start at \$660 and additional fees are assessed on a square foot basis of project impact area; to be determined by **RACE** using guidance provided by CT DEEP after the design is developed. **RACE** will inform the Client of the required fee calculation. All permit application fees will be the responsibility of the Client and must be included with the initial permit application materials.

For projects greater than 5,500 square feet (SF), the application fee is \$3,550 plus \$0.10/SF for each square foot in excess of 5,500. The approximate area of the existing docks is 45,000 SF. $45,000 - 5,500 = 39,500$. $39,500 * 0.10 = \$3,950$. $\$3,950 + \$3,550 = \$7,500$. Municipalities receive a 50% discount on application fees. Approximate application fee to CT DEEP = \$3,750.

Upon completion of their review and if it is determined that the proposed activities are consistent with their requirements, DEEP will publish a public notice in a local newspaper indicating that the DEEP intends to issue a permit. The DEEP will send the Applicant (Client) an invoice for the cost of the legal notice. **RACE** will not receive this invoice and it is understood that the Client will submit payment directly to the CT DEEP.

Once the CT DEEP permit is obtained, the permit "Appendix B" must be submitted to the City Clerk's office to be filed on the Land Records. **RACE** anticipated City staff can perform the land record filing.

- **City of Norwalk Coastal Site Plan Review**

It is anticipated that the proposed project will be subject to review by the Norwalk Planning & Zoning Commission for compliance with the Coastal Area Management Act (CAM) under the Coastal Site Plan Review process. It is anticipated that this local process will be managed by the City and that **RACE** will provide necessary drawings, forms, narratives, flood zone impact assessment, coastal resource impact assessment, and related engineering services in support of the City's coordination of this process. **RACE** will attend 2 meetings/hearings with the City to support the process.



*It shall be understood by the Client that **RACE** has no control over regulatory authorities having jurisdiction, statutes, or site conditions that a permit application may be subject to. Any opinion of eligibility for authorization of any proposed structure or activity is made on the basis of professional judgment and experience. **RACE** makes no warranty, express or implied, that a proposed structure or activity, in whole or portion thereof, will be authorized by those agencies having jurisdiction.*

RACE Deliverable: Copies of Permit Applications and Agency Correspondence

TASK 3 – SEMI-FINAL DESIGN AND PERMITTING (90%) WORK

Task 3.1 – Develop Semi-Final Design Plans, Details and Specifications

RACE will address comments from the City and advance the “60%” design to a “90%” package of plans, details and technical specifications. The design will incorporate comments and revisions resulting from the regulatory review process. These drawings will include, but not necessarily be limited to: a cover sheet; narrative specifications; sedimentation and erosion controls; plan showing the limits of construction and existing conditions; proposed plan; and typical sections and appropriate details for construction. The drawings will show the existing site conditions, including topography, structure locations, utilities (power pedestals and electric panel upgrades, etc.), landscape features, design water surface elevations, flood zone boundaries and Base Flood Elevations, and related information that will be important for construction of the improvements.

The draft technical specifications will identify materials and construction related information. Performance specifications will be provided for items not specifically designed by **RACE** such as the floating docks, hardware, gangways, etc. General conditions and front-end “boiler-plate” specifications shall be provided by the City for inclusion in the package. **RACE** will review the City’s specifications for any conflicts with the technical specifications prepared under this task.

RACE will update the OPC (Task 3.3) and construction schedule (Task 3.4) as part of this submission.

RACE Deliverable: Construction Drawings and Specifications at 90%, OPC and Schedule

Task 3.2 – Design Review Meeting

RACE will submit the draft package to the City for review and comment and attend a meeting to review the package and comments prior to finalizing them for bid purposes.

RACE Deliverable: Meeting Minutes

TASK 4 – FINAL DESIGN (100%) WORK

Task 4.1 – Final Construction Drawings, Specifications & Bid Form

RACE will incorporate any remaining City comments into the final drawing and specification package which will be ready for bid. Drawings will be prepared in AutoCAD format and provided to



the City in print, CAD and PDF formats. Specifications will be provided in Word and PDF formats. The drawing package will be signed and sealed by a Professional Engineer licensed in the State of CT. **RACE** will also prepare a Form of Bid. **RACE** will prepare a final OPC and construction schedule (Tasks 4.2 and 4.3).

RACE Deliverable: Construction Drawing, Specifications, Bid Form (PDF, Word and .dwg formats)

Bid Assistance (Tasks 4.4 - 4.7)

RACE will assist the City on as needed basis during the bid process. As part of this phase, **RACE** will:

- Prepare for and attend a pre-bid meeting
- Answer requests for information from bidders in accordance with the requirements in the bid documents
- Prepare addenda and provide electronically to City for distribution to bidders
- Review and respond to contractor recommendations for substitutions or proposed alternate equipment, materials or methods
- Review and evaluate the bids and contractors' qualification
- Provide written summary and recommendation for award
- Attend a pre-construction meeting with the selected contractor

RACE Deliverable: Documentation as Indicated Above (PDF format)

TASK 5 – CONSTRUCTION ADMINISTRATION SERVICES AS REQUESTED BY THE CITY

This Scope of Services is based on an assumed construction duration of **3 months** (actual construction time on site) and includes an estimated allowance of **134 hours of service**. It shall be understood by the City that there are numerous factors outside the control of **RACE** that may dictate total fees for **RACE** services during the construction phase. These factors include, but are not limited to, contractor performance and contractor schedule. The scope outline and fee estimates included herein are based on our experience with dock construction projects within the Long Island Sound Basin. The scope and fees are subject to variation due to the outside factors outside the control of **RACE** noted above.

RACE will provide engineering services during construction on an “as-needed” basis to assist during the construction phase of this project. These services typically include:

- **Shop Drawing and Submittal Review:** **RACE** will prepare and maintain a record of submittals and their status for use by the City. **RACE** will review submittals by the construction contractor for conformance to the project specifications. These items include but are not limited to material certifications, construction equipment, and construction methodologies specified in the Construction Drawings. In addition, **RACE** will respond to construction contractor Requests for Information (RFIs) during the course of the project.



- **Review Payment Requests:** RACE will review the Schedule of Values and Applications for Payment submitted by the construction contractor. The review will be performed to verify that the Work completed and material stored to date has been done in accordance with the project specifications. RACE will review change orders submitted by the construction contractor for conformance.
- **Project Meetings and Management:** RACE will administer and attend project progress meetings. For purposes of this Agreement, it is assumed that meetings will be held on a bi-weekly basis over a 12-week construction period for a total of (6) meetings. RACE will prepare the meeting agenda and prepare meeting minutes for distribution. The meeting agenda will include review of progress of the work since the previous meeting, including submittals, identify problems that impede progress, and review work to be performed over the next two weeks. This sub task also includes general project management and coordination between City and Contractor during the construction phase.
- **General Construction Review:** Prior to construction, RACE will identify items that will require review and acceptance. RACE will rely on the construction contractor to provide advance notification of when items scheduled to be reviewed are visible and when activities scheduled to be witnessed are to occur. A Field Report will be prepared to document the observations of each visit. The Field Report will identify the general activities of construction prime contractor and sub-contractors. The Field Reports will include a description and location of project non-compliance items and corrective measures to be taken if necessary. Per the RFP, twelve (12) site visits including the final punch list inspection have been budgeted.
- **Project Close-Out:** Upon Final Completion of the Work, RACE will perform a Final Review with the Client. "As-built" record drawings prepared by a licensed land surveyor will be required to be submitted by the contractor as part of the construction contract. RACE will utilize the record drawings and submit to the appropriate regulatory agencies to close out Local, State, and Federal permits, as applicable.

RACE Deliverable: Meeting Minutes, Field Reports, Correspondence

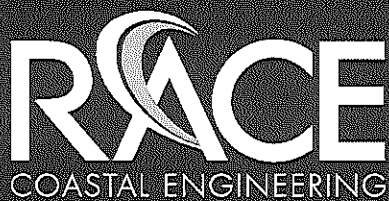




CITY OF NORWALK RFP #4154

**DESIGN AND PERMITTING FOR REPLACEMENT OF VETERAN'S MEMORIAL
PARK PUBLIC MARINA DOCKS**

SECTION E: PROJECT APPROACH AND SCHEDULE



e. Project Approach and Schedule

RACE Coastal Engineering, LLC (“RACE”) has successfully worked with the City of Norwalk on previous projects involving design, permitting and construction phase services for waterfront structures, including our work on the launch ramp and docks on the west side of Veteran’s Park. We are intimately familiar with the Park, the City’s process and requirements and those of the regulatory agencies who maintain jurisdiction over the proposed improvements. **RACE** has provided a detailed Scope of Services in Section 2. A summary of our general project approach to work with the City through an interactive, collaborative design process follows:

1. Project Kick-off Meeting

Upon receiving Notice to Proceed, **RACE** will prepare a Project Management Plan for this project and perform an internal kick-off meeting with the Project Team. The **RACE** Project Manager will also have a preliminary kick-off meeting with the City officials and other project stakeholders as necessary to review the project. During this meeting, **RACE** will collect any additional site information to be provided by the City, including, but not limited to, historic topographic survey maps, feasibility reports, regulatory permits, condition reports, geotechnical data, and related documents that may be available. Specific design criteria, deliverable format requirements, scheduling, and related issues will also be discussed. These initial meetings help set the tone for consensus building, not only for the **RACE** design team but the City and stakeholders, so that the project goals and expectations are clear for all parties.

2. Document Existing Conditions

RACE will utilize the services of Redniss & Mead (“R&M”) to provide professional land surveying services required of this project. R&M will perform field survey and prepare a partial survey plan of the eastern portion of the park that will serve as the basis for design and permit plans.

RACE will complement our knowledge of the site with an above-water (during low tide) site inspection to verify and further document the current conditions of the docks, access piers and accessory structures and to identify and quantify deterioration and damage, items that can be reused, etc.

RACE will also prepare a soil boring plan and coordinate with a specialty drilling contractor to perform soil borings in the water. The geotechnical data will be critical in the analysis and design of anchor piles.

3. Design Development, Specifications, OPCs and Schedule

Based upon the findings made during Tasks 1.1 and 1.2 (see below table), discussions with the Client regarding waterfront access needs, the design guidelines of the regulatory agencies, and constraints such as the adjacent Federal Anchorage, **RACE** will prepare and provide the Client up to three (3) conceptual plan view layouts (10% level design) of proposed floating dock systems to accommodate the vessel types and sizes as listed in this RFP. **RACE** will then work collaboratively with the City to advance the selected design to “60%”, “90%” and “Final” milestones with



specifications, OPCs, schedule updates and meetings with the City at those various intervals. At these meetings we will walk through our design process, provide rationale for choices made and listen and act appropriately to the feedback offered by the City and project stakeholders before advancing to the next milestone.

4. Preparation of Regulatory Permit Applications

The proposed project will be subject to review and require permits from the CT Department of Energy and Environmental Protection (CT DEEP), the U.S. Army Corps of Engineers (USACE), and the City of Norwalk. **RACE** provides particular expertise in the assessment and preparation of regulatory permit applications for coastal projects and, specifically, marina and dock projects in Connecticut. **RACE** has prepared more than two hundred (200) other permit applications over the past decade and we maintain working relationships with regulatory staff professionals at the USACE and CT DEEP. **RACE** will take the lead in preparing and managing the regulatory permit efforts including the anticipated Section 408 coordination with the USACE due to project proximity to the Federal Anchorage.

5. Bid Assistance

RACE will assist the City on as needed basis during the bid process. As part of this phase, **RACE** will:

- Participate in a pre-bid meeting
- Prepare addenda and RFIs
- Review and evaluate the bids and contractors' qualification
- Provide summary and recommendation for award
- Attend a pre-construction meeting with the selected contractor

6. Construction Administration Services

It is anticipated that **RACE** will provide engineering services during the construction of the proposed site improvements on an as-needed basis to see the project through successful completion. These services will include:

- Shop Drawing and Submittal Review
- Review Payment Requests
- Project Meetings and Management
- General Construction Review
- Project / Permit Close-Out



Task	Description	Est. Labor Hours ⁽⁸⁾	Est. Start	Est. Completion
Task 1	Preliminary Design (30%) Work	81.5	November 1, 2021	January 14, 2022
1.1	Kick-off Meeting ⁽¹⁾		November 1, 2021	November 5, 2021
1.2	Document Existing Conditions ⁽²⁾		November 8, 2021	December 31, 2021
1.3	Concept Evaluation, OPC and Schedule		December 1, 2021	January 14, 2022
Task 2	60% Design Work	188.5	January 24, 2022	September 30, 2022
2.1	Develop 60% Plans, OPC and Schedule		January 24, 2022	February 18, 2022
2.2	Design Review Meeting		February 21, 2021	February 25, 2022
2.3	Prepare Permit Applications ⁽³⁾		January 24, 2022	September 30, 2022
Task 3	Semi-Final Design and Permitting (90%) Work	48	October 1, 2022	November 4, 2022
3.1	Develop Semi-Final Design Plans, OPC and Schedule ⁽⁴⁾		October 1, 2022	October 28, 2022
3.2	Design Review Meeting		October 31, 2022	November 4, 2022
Task 4	Semi-Final Design and Permitting (90%) Work	54	November 7, 2022	January 30, 2023
4.1	Final CD's, Specifications and Bid Package		November 7, 2022	December 2, 2022
4.2	Bid Process ⁽⁵⁾		December 5, 2022	February 28, 2023
Task 5	Construction Administration Services as Requested by the City⁽⁶⁾	134	March 1, 2023	May 26, 2023
TOTAL PROJECT DURATION⁽⁷⁾		506	November 1, 2021	May 26, 2023

NOTES:

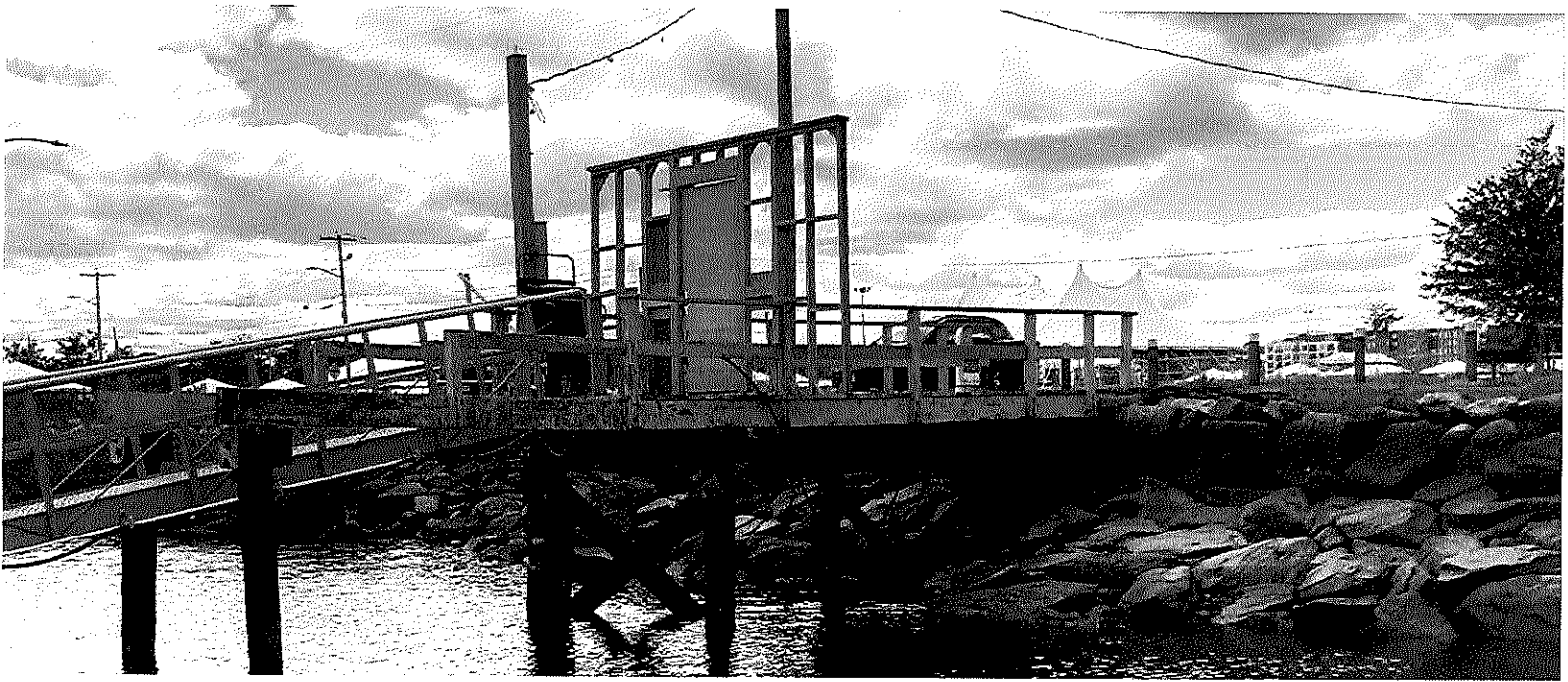
1. RACE has availability to commence this project immediately upon receiving Notice to Proceed (NTP), expected first week of November 2021 for scheduling purposes.
2. Site data collection, survey and borings are tide and weather dependent.
3. CT DEEP Structures, Dredging and Fill permit applications have no statutory timeline for agency review and response. It has been RACE's experience that the entire review process including pre-application coordination through public notice and permit issuance can take



approximately 6 to 12 months or more. RACE has conservatively allocated a 9 month review in the schedule.

4. Start date for Task 3 is set for after permits are issued so that agency comments can be incorporated per the RFP request. Task 3 could advance sooner than permits, but at risk to the Client for potential design changes that may come from the regulatory approvals.
5. Includes time for City to award contract to selected contractor.
6. Construction phase is anticipated to take a total of approximately 3 months to complete. Construction schedule will be dependent upon material availability and manufacturers lead times.
7. Entire project could be shortened based on the regulatory review timeframe. If the work could be COP-eligible, the duration could be shortened to allow a fall 2022 construction. However, it is unlikely that the schedule could permit marina up and running for the 2022 summer season.
8. RACE Labor hours only. Subconsultants' fees have been provided as lump sums to RACE.





CITY OF NORWALK RFP #4154

DESIGN AND PERMITTING FOR REPLACEMENT OF VETERAN'S MEMORIAL PARK PUBLIC MARINA DOCKS

SECTION F: TESTING

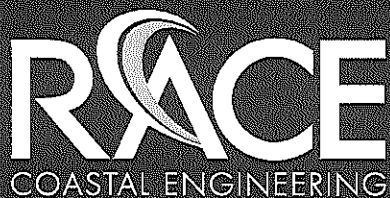
Per RFP #4154: "The selected Firm will NOT be required to provide testing equipment necessary to complete this project. During project estimation provide an anticipated testing schedule."



CITY OF NORWALK RFP #4154

**DESIGN AND PERMITTING FOR REPLACEMENT OF VETERAN'S MEMORIAL
PARK PUBLIC MARINA DOCKS**

SECTION H: OTHER INFORMATION



**STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION**

This is your certificate of registration for your records. Such certificate shall shown to any properly interested person on on request. Do not attempt to make any changes or alter this certificate in any way. Questions regarding this certificate can be emailed to the Occupational & Professional Licensing Division at dcp.occupationalprofessional@ct.gov.

In an effort to be more efficient and Go Green, the department asks that you keep your email information with our office current to receive correspondence. All renewal notifications and certificates will only be emailed to your last reported email on record. You can update your email, address or print a duplicate certificate by logging into your account with your User ID and Password at www.elicense.ct.gov.

Mailing address:

RACE COASTAL ENGINEERING LLC
611 ACCESS RD
STRATFORD, CT 06615-7360

Email on file to be used for receiving all notices from this office:

DEVIN@RACECOASTAL.COM





RACE SUMMARY

WHO IS RACE?

RACE Coastal Engineering, a licensed professional engineering firm in the State of Connecticut, was founded in 1999 with the single purpose of providing specialty coastal engineering consultation and design to clients throughout the Northeast. These services have included more than 1,500 waterfront projects including 50+ dredging projects over the past 20 years. RACE brings a holistic approach to projects using our in-house coastal, geotechnical and structural expertise along with our extensive regulatory and construction phase experience to effectively address every facet of a project.

RACE STAFF

RACE's multi-disciplinary staff of 14 employees, including 8 Professional Engineers licensed in 13 states, maintain expertise in Coastal, Structural and Geotechnical engineering and are supported by USCG licensed captains, ACSM certified hydrographers, and professional office staff. The RACE professionals are intimately familiar with the requirements for proper structural restoration, the preparation of required regulatory permit applications, the preparation of construction drawings and specifications, as well as engineering services during the construction phase of the work. RACE also provides in-house hydrographic surveying services and mapping in support of many of our shoreline stabilization, structural rehabilitation and dredging projects. The range of our company experience and our size provides our clients with qualified staff for all phases of the project while also allowing for direct interaction with the RACE Leadership Team.

SERVICES

RACE has worked with private clients, commer-

cial industries and municipalities throughout the Northeast to perform studies, perform inspections, develop designs, obtain permits, prepare construction documents, produce Opinions of Probable Cost (OPC's) and provide engineering services during construction for engineering projects including:

- Dredging and Dredged Material Management
- Waterfront/Coastal Structure Rehabilitation
- Marina Planning and Design
- Coastal Planning and Harbor Management
- Breakwaters and Wave Protection Structures
- FEMA Compliance, Flood Studies
- Sand By-passing/Back-passing at Tidal Inlets
- Environmental Permitting
- Municipal Wharf Facilities Infrastructure
- Beach Nourishment & Dune Restoration
- Coastal Resource Management
- Waterfront Recreational Structures
- Flood & Erosion Control Structures
- Resiliency and Green Infrastructure

HYDROGRAPHIC SURVEYS

RACE provides specialized hydrographic surveying and sampling services in-house. We have performed hundreds of hydrographic surveys in support of dredging, waterfront structure inventories and mapping, beach nourishment and shoreline monitoring, marina and mooring field planning, inlet and navigation channel shoaling, and our sediment transport studies. RACE provides a one-stop shop for data collection, processing and related engineering services, all of

Our mission is to enhance quality of life, experience, property & infrastructure by providing responsive solutions where water meets land.

RACE expertise embraces modern coastal engineering practices that are supported by a broad range of engineering disciplines including geotechnical and structural engineering as well as regulatory expertise. Our full-range of professional services include: coastal engineering, shoreline restoration and protection, inspections and rehabilitation of existing structures, design and planning of new marine structures, environmental permitting, hydrographic surveys, dredging planning and design, and marine construction administration.



which are supervised and reviewed by our very own ACSM certified hydrographer. To support our hydrographic surveys and dredging projects, RACE maintains multiple survey vessels with custom instrument enclosures, each of which carry the latest in depth recording and positioning technology.

DREDGING PLANNING & ENGINEERING

RACE provides a complete package of dredging engineering services designed to maintain safe navigation and operations in Federal Channels, ports, terminals, and marinas while complying with regulatory agency requirements. RACE considers coastal processes that may impact navigational and vessel berthing activities and designs programs to minimize overall impacts while maximizing productive outcomes. We provide management of dredged material disposal in conjunction with regulatory agencies and propose repurposing of material when applicable for beach nourishment, sand by-passing or back-passing.

COASTAL ENGINEERING / MODELING EXPERTISE

RACE has staff with advanced degrees or certifications specific to coastal engineering and maintains state-of-the-art computer and mathematical numerical tools to model coastal and offshore wave environments, storm water levels, sediment transport, and shoreline changes.

RACE staff are well versed in the use of numerical modeling tools for hydraulic, hydrodynamic, and coastal engineering assessments. RACE utilizes these models to determine the applicable design conditions and environmental response in order to develop practical design solutions.

STRUCTURAL DESIGN EXPERTISE

RACE has staff with expertise in structural and/or geotechnical engineering to perform inspection, analysis and design of waterfront structures as well as the rehabilitation of existing structures. Our design experience includes timber, steel, concrete, aluminum composite, and stone structures. Our engineers are well versed on the latest codes and standards and tools and software for structural analysis in support of the design of piers, docks, bulkheads, boat ramps and other earth retaining structures.

RACE was honored in 2017 by the American

Council of Engineering Companies (ACEC) at the state and national level for our innovative approach to the bulkhead design at the Steelpointe Harbor site in Bridgeport, CT.

GEOTECHNICAL ENGINEERING

RACE provides geotechnical engineering expertise to round out our structural and coastal engineering capabilities in order to provide a complete design package from the ground up. Our geotechnical engineering services include review of site geotechnical properties and conditions, soils and subsurface hydraulics analyses, retaining wall and bulkhead design, pile foundation design, earthworks, slope design and repair, and levee assessment. RACE maintains the latest geotechnical software applications required for design and analysis. Our staff are also experienced in the field during site data collection and construction phases including management of subsurface investigations and borings, subgrade preparation, controlled placement of fill, well installation, and shallow and deep foundations.

REGULATORY SUPPORT

RACE has extensive experience with marine permitting at Federal, State and local levels. RACE's regulatory specialists, utilizing the knowledge, experience, and professional relationships built through decades in the local industry, streamline the regulatory/permitting process by working closely with owners, our designers, and the regulatory agencies for positive project outcomes. From project initiation, our team of specialists will perform the tasks required to successfully obtain Federal, State, and local permits.

Our understanding of the environmental regulations and guidelines, as well as our relationships with the CT DEEP, US Army Corps of Engineers and other agencies provides a complete package for our clients. RACE has successfully combined expertise in coastal engineering, coastal processes and design of waterfront structures with our understanding of the regulations to design and permit hundreds of projects that are not only appropriate for the marine environment that they are located in, but with attention to minimizing impacts to natural resources consistent with the goals of the agencies.

CONSTRUCTION PHASE SERVICES

RACE's many years of experience in the

AWARDS

2020 AMERICAN SHORE & BEACH PRESERVATION ASSOCIATION (ASBPA)

America's Best
Restored Beach Award

2020 AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS - NEW YORK (ASLA NEW YORK)

New York Merit Award
for Residential Design

2019 AMERICAN COUNCIL OF ENGINEERING COMPANIES (ACEC)

Connecticut
Engineering
Excellence Award
National Recognition
Award

2017 AMERICAN COUNCIL OF ENGINEERING COMPANIES (ACEC)

50th Anniversary
Engineering Excellence
Awards
National Recognition
Award
Connecticut
Engineering
Excellence Award

2017 NEW YORK CITY HALL 34TH ANNUAL DESIGN AWARDS

Special Recognition
Award

CONTINUED.....



design of marine structures and inspection of marine construction provides an excellent foundation to develop an understanding of construction techniques and constraints, and of the important role of quality assurance in the construction of marine structures. Our professional team of construction phase specialists can handle all components of a complete construction support system and understand the complex relationship between owner, construction manager, engineer, and contractor; we work closely with all parties to attempt to prevent problems from arising and to solve those issues that may occur.

MARINA PLANNING AND DESIGN

RACE lives, works and plays on the water. Our staff is comprised of boaters who not only understand marina planning and design from an academic standpoint, but from a practical, end-user perspective as well. RACE provides solutions to the complex planning, engineering, and regulatory challenges related to the improvement or maintenance of public and private marina facilities.

FEMA FLOOD HAZARD EVALUATION AND COMPLIANCE

RACE has extensive experience providing engineering design consultation and regulatory services related to FEMA flood hazard zone evaluation, mapping and compliance for both existing and proposed structures for private, commercial and public infrastructure. We provide site specific evaluation of coastal flood hazard zones in accordance with FEMA's current guidelines, policies and specifications. When projects must be sited in a flood zone, RACE can assess the design with respect to the requirements of the National Flood Insurance Program and local zoning authorities and provide evaluation of impacts and recommendations for compliance. RACE is able to determine flood loads and engineer the foundation and framing elements of buildings for flood zone compliance.

RESILIENCY AND GREEN INFRASTRUCTURE

Flooding, erosion and wind hazards caused by hurricanes, coastal storms, rising sea level, and other weather and climate-related events and phenomena are the primary coastal hazards that lead to economic losses and damage to property in developed coastal

areas. RACE helps protect our clients from these losses by developing extensive mitigation plans and strategies to minimize these types of impacts while building in resiliency. Our coastal, structural and geotechnical engineers are effective and creative in applying knowledge of mathematics and science to create holistic, practical and constructible solutions to hazard mitigation that reduce risk and accelerate recovery from storms, as well as prepare for future sea level rise and climate change. Our resiliency experience includes nature-based infrastructure such as beach enhancement, dune creation, hybrid living shorelines and marsh creation and restoration.

THE RACE DIFFERENCE

SOLE FOCUS ON WATERFRONT PROJECTS

RACE's sole dedication to waterfront projects means our clients are getting an unparalleled combination of coastal, structural, geotechnical, and dredging expertise required to successfully complete their projects.

SPECIALIZED COASTAL ENGINEERING EXPERIENCE

RACE prides itself on the credentials and capabilities of our in-house coastal engineers. Having provided coastal engineering services throughout the Northeast, RACE understands the dynamics of the region, the variability and vulnerability of the shoreline and associated facilities, and the steps to be taken to insure a successful project in this sensitive environment.

RECOGNIZED EXPERTS BY STATE AND FEDERAL AGENCIES

RACE staff have decades of experience working directly with the staff and within the statutes, policies and guidelines of the Federal, State, and local regulatory agencies. Several RACE staff members have been formally recognized as experts in our field by regulatory analysts in the context of public hearings and have been solicited for technical guidance in the development of new guidelines.

LOCAL AND RESPONSIVE

Our local knowledge afforded by years of experience living, working and playing in the area, our company size and location provides our clients with sufficient qualified staff and rapid response for all phases of their projects while also allowing for direct interaction between the Client and company Principals.

AWARDS (CONT'D)

2015 CONNECTICUT SOCIETY OF CIVIL ENGINEERS (CSCE)

8th Annual
Achievement in
Civil Engineering
(ACE) Awards
Structural ACE Award
of Merit

2014 CONNECTICUT SOCIETY OF CIVIL ENGINEERS (CSCE)

7th Annual
Achievement in
Civil Engineering
(ACE) Awards
Sustainability
ACE Award
Construction
Award of Merit





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M.E. O'BRIEN & SONS, INC.
17 Trotter Drive - P O Box 718 / Medway MA 02053
508-359-4200 (phone) / 508-533-6342 (fax)
SDO Certified WBE (MA Only)

QUOTATION

Date: November 20, 2020

Page 1 of 2

Job: Oyster Shell Park

Location: Norwalk, CT

Salesman: Peter Wallace, CPSI / Phone: 508-906-1628 / Fax: 203-805-4265
Peter Wallance@obrienandsons.com

Attention: Ken Hughes / khughes@norwalkct.gov

We are pleased to offer our quotation on the following for the above subject job:

CT DAS State Contract Pricing 17PSX0081
2021 Pricing

<u>QTY</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
A. PlayBound Poured-in-Place by Surface America		
Prices are based on materials and installation of materials only as per the description below.		
• 3,500 sq/ft at a 3-1/2" thick system; thicknesses are subject to a nominal variation. • 50% black, 50% standard color, speckled mix. • Standard aromatic binder is included.		
Total		\$56,000.00 Less 3% \$54,320.00
B. Site Prep Services		
• Remove and dispose of all existing rubber and stone base • Supply, install and compact new 6" stone base using processed aggregate stone. New pad will cover 3,500 sq/ft. • Prevailing wage rates are NOT included		
Total Installation		\$21,000.00
<u>Total Project Price</u>		<u>\$75,320.00</u>

Continued...

Re: Oyster Shell Park
Norwalk, CT
November 20, 2020

Page 2 of 2

Date: _____ Signature of Approval: _____
PO# (if any): _____ Printed Name: _____
Tax Exempt ID #: _____ Total Amount \$: _____
Bill to name/dept: _____
Bill to address: _____
Ship to name/dept: _____
Ship to address: _____
24-hr. before delivery Contact Name & Phone #: _____

****PLEASE READ – IMPORTANT NOTES – PLEASE READ****

- Quote is based on information at the time of bid/request. Any changes, updates, addenda, etc. may require quote to be revised.
- Contractor/Customer is responsible for quantity, color, and product confirmation.
- Prices based on quantities listed. Any change to quantities may impact prices quoted.
- M.E. O'Brien & Sons is NOT responsible for plan take-offs. All quantities, square footages, thicknesses, etc. are the responsibility of the purchaser. Confirm and double check quantities quoted. It is the responsibility of the purchaser to approve/purchase items "per plan".
- Prices are quoted for 2021, are firm for 30 days only and are subject to review thereafter.
- Prices are for materials only unless otherwise noted.
- Prices do NOT include off-loading, lift-gate (lift-gate is an additional charge) or inside delivery.
- Prices do NOT include sales tax, resilient surfacing, assembly or installation.
- If installation is included, M.E. O'Brien & Sons is NOT responsible for buried underground hazards including, but not limited to: ledge, unsuitable bearing soils, unmarked utilities, boulders, construction debris and any other conditions beyond our control. Additional cost will be required to rectify these situations.
- Standard manufacturer's design, colors, specifications, and construction apply.
- If ordered, inspect entire delivery carefully, making note on delivery receipt of ANY damage so a freight claim can be filed if damage is discovered after opening package(s).
- Retainage does not apply.
- Returns must be made within 30 calendar days of receipt of order. Customer is responsible for re-stocking fee plus shipping charges (to and from) for all returned items. Custom products are NOT returnable.
- Our terms are: Net 30 days.
- Allow 3 to 5 weeks for delivery of materials after receipt of order and architectural approval if required.

If we can be of further assistance, please do not hesitate to contact us. Thank you!