

# South Carolina Office of Resilience

## Request for Qualifications for

# USS YORKTOWN ENVIRONMENTAL

# ASSESSMENT

### State Project # D30-N021-MJ

## SECTION 1: GENERAL SCOPE

### Overview:

The South Carolina Office of Resilience (SCOR) seeks a qualified, licensed firm to provide planning, engineering, and design services to conduct an environmental analysis and assessment of the USS Yorktown, located in Mount Pleasant, South Carolina. Although previous assessments<sup>1</sup> on the USS Yorktown have been conducted, due to the duration of time subsequent to those studies, it is the state's expectation that a current environmental analysis would identify all contaminants present at the USS Yorktown. Additionally, the firm is to identify and design the mitigation necessary to remove all contaminants from the USS Yorktown. The State intends to use the South Carolina Resilience Reserve Fund to fund this project. Those competing for this project must have a thorough and demonstrated understanding of the constraints and limitations associated with the clean-up of hazardous materials on this National Historic Landmark.

The USS Yorktown environmental assessment project involves the identification of all contaminants and design of a mitigation plan for the estimated 100,000 gallons of fuel in approximately 129 tanks and compartments. In many of these compartments, the fuel is combined with 1.75 million gallons of water. There are also 3000 gallons of hydraulic and lubricating oils throughout the ship. Additionally, some known contaminants on the vessel include, but may not be limited to, the polychlorinated biphenyls (PCBs) in some of the hydraulic fluids, lubricating oils, caulks, greases, electrical wiring, and in a large portion of the wooden flight deck.

The final environmental assessment deliverable must have the highest level of credibility based upon data-driven, expert analysis. Therefore, the State seeks an experienced firm that is familiar with contaminant identification, maritime contaminant mitigation, and remediation solutions. The selected firm will provide comprehensive data analysis which will stand intense public scrutiny, and the final product must be easily defensible due to its intellectual rigor.

### Background:

The USS Yorktown (CV-10) was the tenth aircraft carrier to serve in the United States Navy. Under construction as the Bon Homme Richard, this Essex-class carrier was renamed the Yorktown in honor of the Yorktown (CV-5), sunk at the epic Battle of Midway (June 1942). The Yorktown was commissioned on April 15, 1943. In the 1950s, the Yorktown was modified with the addition of an angled deck to better operate jet aircraft. The Yorktown was decommissioned in 1970 and placed in reserve; in 1975, was towed from Bayonne, NJ to Patriots Point Naval and Maritime Museum. The Yorktown has a displacement of more than 40,000 tons, a length of 888 feet, a beam at the waterline of 101 feet, and a floating draft of 30 feet.

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<sup>1</sup> See *USS YORKTOWN ENVIRONMENTAL STUDY PATRIOTS POINT MOUNT PLEASANT, SOUTH CAROLINA* Prepared by Shaw Environmental and Infrastructure, Dated 04-29-2013  
SCOR RFQ for Manning Stormwater Improvements

The Yorktown is currently moored in the Charleston harbor with the keel buried to a depth of approximately 28 feet in soft bottom silt. Above the silt line, there is open water on the port side and tidal marsh on the starboard side that allow the ship's hull to be subjected to tidal ebb and flow. Localized areas of the ship's hull, particularly in the tidal splash zone, have experienced extensive corrosion with significant through hull penetration. It is anticipated that the Yorktown will require significant repairs for it to remain a viable museum for the foreseeable future.

At the time of the Yorktown's deactivation, the extensive procedures prescribed by the Navy today, S9086-BS-STM-010 [0910-LP-104-3949, rev 3] were not in place. Consequently, the Yorktown still contains significant quantities of potentially hazardous materials. The objectives of this environmental assessment for the Yorktown are to comprehensively identify and inventory the types and quantities of these materials currently on the vessel, provide current study cost estimates, and prepare drawings and specifications for a future remediation and environmental cleanup bid, should funding become available.

The USS Yorktown **will not** be taken into dry dock for further environmental study.

## **SECTION 2: SPECIFICATIONS**

### **Scope of Work and Deliverables:**

Within 90 days of contract award, the selected firm will provide the South Carolina Office of Resilience's Mitigation Department with an updated Environmental Study that meets or exceeds the specifications outlined. The study will be posted on the South Carolina Office of Resilience website, where it must stand public scrutiny and be easily defensible. The selected firm will present formal briefing outlining the findings of the study. Within 180 days of the completion of the updated Environmental Study, the selected firm will provide the South Carolina Office of Resilience's Mitigation Department with a complete Environmental Document, a final detailed cost estimate, all required prepared bid documents, and identify all necessary permits required for mitigation.

#### **TASK 1: PROJECT ADMINISTRATION AND MEETINGS**

1. Provide a brief weekly email update and a monthly progress review via virtual meeting to the South Carolina Office of Resilience's Mitigation Department for the duration of the contract.
2. Organize and conduct one public informational meeting once the study is finished, the scope of work for the cleanup has been identified, and a cost estimate has been completed. The firm will coordinate the public meeting with numerous interested parties and organizations. The firm will lead the public meeting and SCOR personnel will attend. The goal of the public meeting is to provide citizens with information related to the project and seek public comment from them. The firm will document all public comments and issue responses as necessary. SCOR will be provided a copy of the documented comments and responses.
3. Organize and conduct individual meetings with appropriate regulatory agencies and interested non-profit/environmental organizations. The firm will lead the meetings and SCOR personnel will attend. Some meetings can be held with more than one agency or group as appropriate. The firm will document all comments and issue responses as necessary. SCOR will be provided a copy of the documented comments and responses.
4. Organize and conduct one meeting to brief the regulatory agencies and interested non-profits/environmental organizations once the drawings and specifications are at 90%. The firm will document all comments and issue responses as necessary. This meeting will be used to explain how all the agency concerns have been addressed and incorporated into the final documents and drawings. The firm will document all comments and issue responses as necessary. SCOR will be provided a copy of the documented comments and responses.

#### **TASK 2: DATA GATHERING, ANALYSIS, AND REPORT**

1. Catalogue all areas, tanks, and compartments within the USS Yorktown
2. Identify all areas, tanks, and compartments that may be contaminated and provide a plan detailing how to access all areas

3. Identify all environmental contaminants presently found or likely to be found on the USS Yorktown
4. Prioritize the hazards of each contaminant to the environment and people
5. Provide a preliminary updated cost estimate to mitigate each type of contaminant
6. Submit the Study to SCOR

#### TASK 3: ENVIRONMENTAL REPORT, PERMITTING, AND BID DOCUMENTS

1. Prepare an Environmental Document pursuant to the National Environmental Protection Act (NEPA)
2. Prepare bid documents pursuant to the South Carolina Office of State Engineer (OSE) Manual
3. Prepare a detailed cost estimate for the mitigation
4. Identify necessary permits for the mitigation

### SECTION 3: SUBMITTAL INFORMATION

Submittal shall include, at a minimum, information required in the solicitation, responses to all selection criteria required by the SC Consolidated Procurement Code (found in Chapter 4 of the OSE Manual), and the following:

1. Firm's staffing proposal for this project to include:
  - a. Staffing diagram; and
  - b. Names and resumes of staff working on the project
2. Firm's listing of completed maritime environmental studies and contaminant mitigation plans performed within the last 10 years with Executive Summary. Include lead staff involved in the listed projects.
3. If any responding firms include proprietary and/or trademark information, please be sure to make note of that in the submittal.

#### **Submittal Format:**

Provide one (1) electronic copy and four (4) printed copies to the South Carolina Office of Resilience's Mitigation Department.

Printed submittals must be clearly labeled on the outside of the envelope with the following wording: "RFQ20-1401-01 *Engineering Services Submittal for Community Development Block Grant Mitigation (CDBG-MIT)*", and the State Project Name and Number. All late submittals will be rejected. The South Carolina Office of Resilience is not responsible for late submissions caused by delays in mail delivery or a delay in any other method of delivery. Print size shall be 12 pt. font minimum, on 8½ by 11 paper, double-sided and must include all of the information required in this RFQ and may include any additional information that the A/E deems pertinent to the understanding and evaluation of its response.

Provide a cover page that includes: Company Name, Address, Point of Contact (Email Address and Phone Number); RFQ20-1401-01 Engineering Services for Community Development Block Grant Mitigation (CDBG-MIT); SAMS Number, Date of Submission, and include the signed certification below:

**I certify that this submittal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a response to this RFQ, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of the RFQ and certify that I am authorized to submit this response.**

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**Authorized Signature (Print)**

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**Authorized Signature w/ Title**

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**E-mail Address**

Electronic submittals must be delivered on a USB flash drive along with the printed copies to the South Carolina Office of Resilience, 632 Rosewood Drive, South Carolina 29201, Attention: Mitigation Department.

**Submittal Deadline:**

Deadline for submission: Monday, August 22, 2022, at 3:00 PM to the South Carolina Office of Resilience Mitigation Department at either of the following:

- 632 Rosewood Drive, Columbia, SC 29201, Attention: Mitigation Department
- DROMitigation@scor.sc.gov

**SECTION 4: PRE-SUBMITTAL CONFERENCE**

The State will conduct a virtual Non-Mandatory Pre-Submittal conference via Zoom as part of this process to provide additional project information and expound upon potential questions. This conference will be held on Wednesday, August 3, 2022, at 2:30 PM <https://us02web.zoom.us/j/85694312700>. Although attendance is not mandatory, all interested firms are strongly encouraged to attend.

Any questions regarding this project must be submitted in writing via email no later than 3:00 PM on Tuesday, August 2, 2022. Questions should be emailed to DROMitigation@scor.sc.gov. All submitted questions will be addressed at the pre-submittal conference.