

**STATEMENT OF WORK OF CONSTRUCTION SERVICES
For Live Oak Point Shore
Protection Phase 2
At Mackay Island National Wildlife
Refuge Knotts Island, North Carolina**

September 10, 2024

1.1 DESCRIPTION OF THE WORK:

- A. This work consists of rehabilitation of a revetment along a portion of the Live Oak Point shoreline at Mackay Island National Wildlife Refuge (NWR). The work shall include furnishing, transporting, and installing all new materials for a rock revetment in accordance with the construction plans and specifications attached hereto and made a part hereof to provide a full and functional facility. Also included is necessary site preparation, erosion and sedimentation control measures, clearing and grubbing, and landscape measures. This solicitation is for the portion from Sta. 7+50 to Sta. 28+50 on the drawings. With an Optional bid item from Sta. 0+0 to Sta 7+50.
- B. FWS has obtained all permits required for the work as indicated on the drawings and specifications.
- C. Contractor will be required to obtain all necessary federal, state, or local permits for any modifications that change the scope from what is in the drawings and specifications.
- D. Government Furnished Information: The drawings accompanying this Statement of Work (SOW) have not been field verified by the Government. Bidders shall make their own measurements in preparation of their bid.

1.2 PROJECT CONTACTS, LOCATIONS, AND SITE ACCESS

- A. The overall Contract Administration for this contract is the responsibility of the Contracting Officer (CO).
- B. Physical Address:
Mackay Island National Wildlife
Refuge 316 Marsh Causeway
Knotts Island NC 27950-0039

Contact: Mike Hoff, Refuge Manager
Phone: (252) 429-3100 Fax: (252) 429-3185

Mailing Address:

Mackay Island National Wildlife Refuge
Post Office Box 39
Knotts Island NC 27950-0039

- B. The FWS Engineering Contracting Officer's Representative (COR) for this project is Jacob Bowen. Any questions regarding the scope of work and technical matters shall be directed to Jacob Bowen, Email: Jacob_Bowen@fws.gov Telephone: (404) 272 6075.
- C. The work site is located on Refuge lands which are accessible from US 615.

1.3 PROJECT PERIOD OF PERFORMANCE AND PRE-PROPOSAL SITE VISIT

- A. The Period of Performance (POP) is 365 calendar days after award.

- B. The Pre-Proposal site visit shall occur on a date and time set by the COR. Meet at the Refuge Office. There will be an on-the-ground site visit.

1.3 QUALITY ASSURANCE

- A. Construction activities shall be supervised at all times by a competent superintendent who is deemed acceptable to the Government; authorized to act on the contractor's behalf; and be present on the job site at all times when contract work is being performed (FAR Clause 52.236-6).
- B. Contractor shall be responsible for preparing and implementing Quality Control and Safety Plans for the work activity.

1.4 COORDINATION AND WORK PHASES

- A. This work effort will require a collaborative approach to complete the Project. The Service and the contractor will meet at the site to identify and resolve areas of uncertainty in permitting, construction, scheduling and coordination, materials, inspections, acceptance, and close-out requirements.
- B. The amount of contractor effort required shall vary as to the activity and type of work required by the contract. The typical phases of work under this contract will consist of:

Phase 1 – Submittals. Product and materials of construction submittals will be required.

Phase 2 – Construction. This task will be the physical construction of the task order in accordance with approved contract documents, including executing effective construction quality control. Specified sampling and testing services will be performed by certified independent material testing laboratories at the expense of the contractor.

Phase 3 – Inspections, Acceptance and Close-Out. Following the completion of construction with final inspection/acceptance by the Service, the contractor shall submit final close-out documents.

- C. CONSTRUCTION

- A. Refer to Paragraphs 1.5 – 1.13.
- B. Refer to the North Carolina Department of Transportation (NCDOT) Standard Specifications for Roads and Structures, January 2018 Ed.
- C. Refer to American Society of Testing and Materials (ASTM).

1.5 GOVERNMENT FURNISHED MATERIALS AND SERVICES

- A. The Government will not provide labor, equipment, materials, utilities, or security.
- B. The Government will make site visits for observation of construction progress.
- C. The Government has the option of providing materials, supplies and other services to the contractor as may be identified in the task order.

1.6 MATERIAL AND PRODUCT SUBMITTALS

- A. Transmit for review the information for materials and products to be installed as called for in the Construction Plans and Specifications.

1.7 LAYOUT WORK

- A. The contractor is responsible for laying out the work as called for by this Statement of Work.

1.8 WORKING CONDITION

- A. The site is subject to tidal fluctuation, waves, and ice floes from the Currituck Sound. The Service cannot guarantee the timing, types, or extent of the presence of such occurrences.
- B. The Contractor shall be responsible for damages to Refuge property including trees, paved or unpaved roads, vegetative groundcover, gates, or signs.
- C. Buried utilities have not been located by the Government. Contractor shall have buried utilities located prior to beginning grading and shall protect all buried utilities.
- D. The report of the geotechnical investigation is Exhibit 1. The Service is furnishing this report for information only. The Service does not guarantee the accuracy or completeness of the report.
- E. Bidder shall satisfy himself as to the character and topography of the bottom of Currituck Sound within the project limits. The Government does not guarantee the information shown in the bathymetric survey shown in the drawings.
- F. Unmanned aerial systems, including drones and similar technology, are not permitted for use per Department of the Interior Secretarial Order No. 3379.

1.9 RECORD OF PREVIOUS SHORE PROTECTION WORK

- A. The Service has no record drawing of the existing shore protection measures.

1.10 CONSTRUCTION DRAWINGS AND SPECIFICATIONS

- A. Attached hereto and referred thereto are drawings and specifications detailing the expectations for the construction of the work. Included are:
 - 1. One set of construction drawings prepared by Wood Environment and Infrastructure Solutions, LLC.
 - 2. One set of construction specifications prepared by Wood Environment and Infrastructure Solutions, LLC.
- B. Said drawings and specifications are available in electronic file format only. Contractor is responsible for printing paper copies necessary for use by his or subcontractors' forces.

1.11 SITE ACCESS

- A. Access to the site via motorized vehicles across the Refuge is on Mackay Island Road. This route is traversed by visitor and refuge vehicles. Contractor shall keep the road open to the construction site and provide a turnaround at the beginning of the site for visitor and refuge vehicles. Contractor shall also maintain the road in a satisfactory condition in the judgment of the Contracting Officer. Access and maintenance shall be provided at no additional cost to the contract.
- B. Site will be closed due to refuge research from December 1st until March 1st. During this time contractor will not be permitted to access the work site for any reason.
- C. Site will be closed due to refuge hunting seasons on the following dates:
 - October 17-19, 2024
 - October 31- November 1, 2024
 - November 7-9, 2024
 - November 14-16, 2024
 - November 28-30, 2024

December 5-8, 2024

During this time the contractor will not be permitted to access the work site for any reason.

1.12 PERMITS

A. Permits have been acquired for this project.

1. Army Corps of Engineers Permit No. 2022-01389

2. North Carolina Department of Environmental Quality, Division of Coastal Management (DCM), Permit No. DCM 2023007.

1.13 CLOSEOUT

- A. Remove and legally dispose of offsite all waste material, trash, debris, and unused material.
- B. Remove equipment, portable toilets, vehicles, trailers, storage containers, temporary reference monuments, temporary barricades and warning devices.
- C. Treat damaged trees to remain by neatly trimming partially broken limbs, removing skinned bark, and applying tree wound paint to damaged areas.
- D. Restore access roads, driveways, and paths to preconstruction or better condition.
- E. Coordinate and participate in pre-final and final punchlist inspection sessions. Record punchlist items and provide resolution of such items to the Contracting Officer.
- F. Submit two (2) full size sets of red lined drawings that clearly indicate the as-constructed work.
- G. Submit fully executed manufacturer's material and product warranties transferred to the Government.
- H. Submit release of claims certification using Government's standard form to the Contracting Officer.

END OF STATEMENT OF WORK