

MEMORANDUM

DATE: July 14, 2020

TO: The Board of Supervisors

FROM: Darryl E. Cook, Assistant Director of Stormwater and Resource Protection Division

SUBJECT: Contract Award - Chickahominy Riverfront Park Living Shoreline - \$1,450,049

The Chickahominy Riverfront Park Living Shoreline will stabilize existing eroding shorelines at the Chickahominy Riverfront Park by the installation of breakwaters, rock marsh sills, and beach nourishment along the Chickahominy River, and by marsh creation and stabilization using rock marsh sills and coir logs in the north part of the park along Gordon Creek. The project also includes approximately 0.75 acres of riparian buffer enhancement and creation. This project will not only reduce pollutant and sediment loads into the adjacent waterways and increase environmental habitat but also address safety hazards for park patrons and help preserve park property. Several portions of the park's shoreline are currently fenced off and have warning signs to prevent entry by park patrons due to the steep, unsteady vertical banks. At the location of the breakwaters and rock marsh sills, the existing steep banks will be graded back to a stable, vegetated slope for long-term viability of the project and park campsites as well as safety of the public. Where bald cypress trees are present along the toe of the existing bank, they are being preserved and where feasible, their footprints are being expanded with marsh creation. The project involves the stabilization of 1,200 linear feet of shoreline along the Chickahominy River and 1,110 linear feet along Gordon Creek (see attached location map). The newly created slopes will be planted with native shrubs and herbaceous vegetation, and the areas of buffer enhancement will be vegetated with native trees and shrubs. All necessary permits and/or approvals have been obtained for this project.

A two-step Invitation for Bids was publicly advertised. Step one required the submittal of a Technical Bid Form primarily to demonstrate the bidder has completed a minimum of two projects of similar size and type. The second step was to open the Bid Form if the technical bid requirements were met.

The following four qualified firms submitted bids to be considered for contract award.

<u>Firm</u>	<u>Amount</u>
Carolina Marine Structures, Inc.	\$1,450,049.00
Coastal Design and Construction, Inc.	\$1,537,186.75
Environmental Quality Resources, LLC	\$1,565,385.50
HGS, LLC dba Angler Environmental	\$1,596,220.00

Carolina Marine Structures, Inc. was determined to be the lowest qualified, responsive and responsible bidder. This project is part of the approved Capital Improvements Program budget and \$781,900 of Virginia Environmental Endowment grant funds, which are part of the James River Water Quality Improvement Fund, are also available to fund this project.

Staff recommends approval of the attached resolution authorizing the contract award to Carolina Marine Structures, Inc.

DEC/md
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Attachments