

Agenda Item: 2.d

Meeting Date: July 12, 2022

MEMORANDUM

To: City Commission

Date: 2022-06-22

From: Russell Ferlita

Subject: Award of RFQ 21-1179 (Phase II) for Engineering Services for Design, Preparation of Construction Plans, and Permitting of a portion of the City's Gabion Drainage System in the amount of \$121,448

Presenter(s): Andy Padgett, P.E., Senior Engineer | Engineering Division, Utilities Department

Recommend: Approve the award of RFQ 21-1179 (Phase II) to Pennoni Associates, Inc., of Clearwater, FL, in the amount of \$121,448, for Design, Preparation of Construction Plans and Permitting of the Pinehurst Channel Gabion Drainage System, located on the west side of Pinehurst Road, for approximately 900 LF.

Epic Goal(s): Goal #3 – Promote Dunedin as the Premier Coastal Community, protecting and improving our natural resources for the enjoyment of all; and Goal #4 - Be the statewide model for environmental sustainability stewardship.

Boards & Committees: None

Budget Impact: Funds for these services are budgeted in the Stormwater Utility Fund (Acct. #443-5300-538-054610-SU, under Project #531701).

Past Action: On June 29, 2021, under Agenda Item #2.e, the Commission awarded the first phase of work related to RFQ #21-1179 approving the issuance of a Service Authorization to Pennoni Associates, Inc, in the amount of \$58,480 (for Phase I), GIS services, an assessment and condition ranking report of the City's existing Gabion Drainage System.

Next Action: Complete the design and permitting, prepared the contract documents, advertise the project, and ultimately make a recommendation to award the construction of this portion of the project.

Attachments: [A. Purchasing Agent Memo \(RFQ #21-1179 \).pdf](#), [B. Scope_Design_Gabions_RFQ_21-1179.pdf](#),

Background: The City of Dunedin owns and maintains multiple stormwater conveyance systems located throughout the City. A number of these systems incorporate Gabion Wired Baskets to provide channel bank stability. Many sections of the Gabion system have exceeded or are nearing the end of their useful life (approximately 30 years), and the City has experienced an increase in emergency repairs and replacement costs.

Failure of the Gabions create various concerns in the immediate area of the failure, as well as downstream. As the eroded soil and rocks fill the drainage channel, the flow of water is impeded and silt is transported and deposited downstream. Additionally, as Gabions convey storm water through neighborhoods and between properties, failures can create an unsafe condition with potential impacts to adjoining private properties along the drainage system.

On June 29, 2021, the Commission awarded the first phase of work related to RFQ #21-1179 approving the issuance of a Service Authorization to Pennoni Associates, Inc, in the amount of \$58,480 (for Phase I), GIS services, an assessment and condition ranking report of the City's existing Gabion Drainage System. The Assessment Report developed during Phase I was completed in February 2022 and outlined proposed improvements for the gabions, and categorized / prioritized their conditions.

The Pinehurst channel gabions segment had the most issues requiring repairs. A segment of gabions on the west side of Pinehurst Road was ranked highest with a recommendation of repair / replacement. This scope of work will provide for the design, permitting, preparation of construction plans and cost estimation, and bidding services for this portion of the repairs, totaling approximately 900 LF of the gabions along this segment. The scope of work also incorporates a community involvement component inclusive of a neighborhood meeting to inform and solicit input from surrounding residents regarding the proposed design of the project.

The City received two (2) consultant submittals for this project. Pennoni Associates, Inc., was determined to be the most qualified firm for this project based on those submittals. This company has successfully completed projects of similar scope and nature, and their quality of work and timeliness is anticipated to provide benefit and value to the City throughout the duration of this project.

The "Notice to Proceed" (NTP), assuming Commission approval, is planned

for July 2022 and is expected to be completed within seven (7) months.

Staff hereby recommends approval to issue a service authorization to Pennoni Associates, Inc., of Clearwater, FL, in the amount of \$121,448, for the aforementioned engineering services related to the segment of the City's Gabion Drainage System, as detailed herein.