

Item Details

Legistar # 18-0312

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| Professional Services Contract – O. N. Stevens Water Treatment Plant (ONSWTP) site Infrastructure Improvements | |
| <u>Council Meeting Dates:</u> Future Item – April 10, 2018 Action Item – April 17, 2018 | <u>Item Being Considered:</u> Motion |

RECOMMENDATION:

Authorization to execute a Master Service Agreement (MSA) with Freese and Nichols, Inc. (FNI) of Corpus Christi, Texas for a base year not to exceed amount of \$300,000 for O.N. Stevens Water Treatment Plant (ONSWTP) Site Infrastructure Improvements with two (2) optional one-year administrative renewals for a maximum not to exceed amount of \$900,000 over three years. (Capital Improvement Program - CIP).

SUMMARY:

This project is a part of the City's strategic plan to implement improvements to the City water treatment facilities approved in the CIP. The water plant supplies potable water to the entire City of Corpus Christi and to several surrounding communities. The plant was built in 1954 and expanded in 1981. Many of the plant's structures, infrastructure elements, and equipment are at the end of service life. This MSA will allow the City to negotiate and issue tasks authorizations for the required improvements. The improvements are critical to addressing ongoing operational and safety concerns. The MSA is a one-year base contract with two (2) optional one-year renewals. The task authorizations and renewals will be issued administratively, subject to satisfactory consultant performance and availability of funds.

This MSA provides for the engineering and design services for critical upgrades of all water treatment facility infrastructure elements. Typical improvements include site grading, storm water and overflow drainage systems, plant access, chemical delivery roads stabilization, office facilities, process facilities, major process units, mechanical equipment repairs, and work safety considerations. The following summarizes the typical engineering tasks:

- Evaluate conditions of existing infrastructure and facilities
- Conduct field investigations, assessments, and meet with plant staff to prepare Engineering Letter Reports detailing proposed improvements
- Assess impact of improvements on current operating strategies, on treatment process, on maintenance, and on operating costs
- Participate in workshops with third-party design engineers and contractors to coordinate improvements with ongoing work and new projects
- Prepare detailed construction documents for structural, electrical, mechanical, operational, and infrastructure improvements
- Conduct design review workshops
- Conduct pre-bid meetings, evaluate bid results, procurement quotes, and make formal recommendations for award
- Provide construction administration, inspection, and technical support
- Prepare and submit to city final As-Built drawings

- Conduct warranty phase inspections and report preparation

FNI was selected as the engineer for this project under Request for Qualifications No. 2014-08.

PREVIOUS COUNCIL / BOARD ACTIONS:

None.