



AGENDA MEMORANDUM

Action Item for the City Council Meeting of January 12, 2021

DATE: December 21, 2020

TO: Peter Zanoni, City Manager

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<p style="text-align: center;"><u>Master Services Agreement</u> Geotechnical Testing and Construction Materials Testing</p>

CAPTION:

Motion awarding a Master Services Agreement for Geotechnical Testing and Construction Materials Testing to Professional Service Industries, Inc., Rock Engineering and Testing Laboratory, Inc., Terracon Consultants, Inc., and Arias & Associates Inc, all from Corpus Christi, Texas, in an amount up to \$750,000.00 each, with a one-year renewal option to be administratively authorized for a total amount not to exceed \$1,500,000.00 each, with projects located Citywide, and FY 2021 funding available from the Utility Capital Program and Bond Program.

SUMMARY:

This motion approves a Master Services Agreement (MSA) to perform as-needed Geotechnical Testing and Construction Materials Testing. The MSAs will address geotechnical engineering and construction materials testing needs for street, utility, airport, marina, facilities, and other projects.

BACKGROUND AND FINDINGS:

Currently, Engineering Services has two MSA's with Professional Service Industries, Inc., and Rock Engineering and Testing Laboratory, Inc., to provide geotechnical engineering and construction materials testing services to the City. These contracts expire on July 30, 2021, but these contracts have reached capacity on the contract limits and new contracts are required for planned improvements for streets, utilities, airport, parks and recreation, fire and police, and other City assets.

This item is for new MSAs for professional services with four geotechnical engineering firms needed for continuing Capital Improvement Program and Bond initiatives. The following is a

summary of the respective services:

- Geotechnical investigations determine the geologic, seismologic, and soil conditions that affect the safety, cost effectiveness, design, and execution of proposed engineering projects. The investigations and analysis are critical to minimize the required foundations and structural requirements and to avoid costly construction changes, post-construction remedial work, and even failure of structure.
- Construction material testing verifies the material characteristics and strengths for soils, admixtures, lime stabilization, aggregates, geotextiles, select fill, paving materials (concrete and asphalt), rebar and other materials incorporated into the various street and utility projects. Material testing is critical to avoid premature failures of the utilities, roadways, building foundations, etc.

The proposed MSAs are each for a one-year term with a one-year renewal option to be administratively authorized. The four firms will support the approved Capital Improvement Program, Bond, and Operations & Maintenance projects. Individual task orders will be negotiated and approved administratively to meet the project requirements.

The projected fees were based on approximately 1% of the projected construction budgets for planned CIP, Bond, and operational projects during the contract performance period. Actual fees will be based on established contract rates and scope.

COMPETITIVE SOLICITATION PROCESS

Professional Service Industries, Inc., Rock Engineering and Testing Laboratory, Inc., Terracon Consultants, Inc., and Arias & Associates Inc were selected for this service in November 2020 under RFQ 3178. Geotechnical Testing and Construction Materials Testing was the only project announced under the RFQ. Nine firms submitted for the Geotechnical Testing and Construction Materials Testing project and the top four were selected and contract rates were negotiated for these on-call services. Professional Service Industries, Inc., Rock Engineering and Testing Laboratory, Inc., Terracon Consultants, Inc., and Arias & Associates Inc were the four highest ranked firms.

The selection committee consisted of representatives from Engineering Services. Firms were ranked based on three factors: 1) firm's experience, 2) team experience, and 3) understanding of project scope.

Professional Services Industries, Inc., has the current Geotechnical Testing and Construction Materials Testing contract and provided geotechnical and construction materials testing for many City projects. Some of the projects are 2017 and 2018 Residential Street Rebuild Program, Slough Road Reconstruction, Laguna Shores Road, Holly Road, LJ Elliot Landfill Site Improvements, Bill Witt Park Parking Lot.

Rock Engineering and Testing Laboratory, Inc., has the current Geotechnical Testing and Construction Materials Testing contract and provided geotechnical and construction materials testing for many City projects. Some of the projects are South Staples Street Reconstruction, Street Preventative Maintenance Program, Lipes Boulevard, Padre Island Water and Gas Pipeline Extension Phase 3, Water Street Traffic Signal Improvements, Oso Wastewater Treatment Plant Improvements.

Terracon Consultants, Inc., has provided geotechnical and construction materials testing for many City projects and elsewhere in the Coastal Bend. Some of the projects are City Hall Lipan ADA Ramp Replacement, Rincon Road Cutoff Road Improvements, Port of Corpus Christi Ship Channel Dredging and Widening, Frost Bank Building, Magellan Corpus Christi Waterfront Development, Nueces County Texas Parks & Wildlife.

Arias & Associates Inc has not worked with the City but has provided geotechnical and construction materials testing for various projects located in Corpus Christi. Some of the projects are TxDOT IH-37, Port of Corpus Christi Good Hope access Road, Port of Corpus Christi Nueces River Rail Yard, Phase 2, Corpus Christi International Airport East GA Apron Reconstruction, Windsor Park Elementary School, Port of Corpus Christi Oil Dock Construction.

ALTERNATIVES:

Not awarding this MSA will result in delays and increased cost for both design and construction. An alternative to awarding the contract is to amend each project to include geotechnical and construction materials testing services which may cause delays to the construction of the project.

FISCAL IMPACT:

The fiscal impact for the FY 2021 is an amount of \$750,000.00 each for a one-year term to be funded through the FY2021 Utility Capital Program and Bond Program Funds.

FUNDING DETAIL:

Funding will be available as projects are identified.

RECOMMENDATION:

Staff recommends approval of this motion to award this MSA to Professional Service Industries, Inc., Rock Engineering and Testing Laboratory, Inc., Terracon Consultants, Inc., and Arias & Associates Inc, in the amount of \$750,000 each for a one-year contract and one renewal option to be administratively authorized for a total contract amount not to exceed \$1,500,000. The services are planned to start in December 2020 with completion in December 2021.

LIST OF SUPPORTING DOCUMENTS:

Location and Vicinity Map
Contracts