



AGENDA MEMORANDUM

Action Item for the City Council Meeting of April 25, 2023

DATE: April 25, 2023

TO: Peter Zanoni, City Manager

FROM: Jeff H. Edmonds, P. E., Director of Engineering Services
jeffrey@cctexas.com
(361) 826-3851

Josh Chronley, CTCD, Assistant Director of Finance & Procurement
joshc2@cctexas.com
(361) 826-3169

Master Services Agreement
Geotechnical Testing and Construction Materials Testing

CAPTION:

Motion awarding a Master Services Agreement for Geotechnical Testing and Construction Materials Testing to Professional Service Industries, Inc., Tolunay-Wong Engineers, Inc., Terracon Consultants, Inc., and Rock Engineering and Testing Laboratory, Inc., all from Corpus Christi, Texas, in an amount up to \$1,000,000.00 each, with a one-year renewal option to be administratively authorized for a total amount not to exceed \$2,000,000.00 each, with projects located Citywide, and FY 2023 funding available from the 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 four MSA's with Professional Service Industries, Inc., Rock Engineering and Testing Laboratory, Inc., Terracon Consultants, Inc., and Arias & Associates Inc., to provide geotechnical engineering and construction materials testing services to the City. These contracts will expire in July 2023 and the contracts have reached capacity on the contract limits. 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 the 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

On October 17, 2022, Contracts and Procurement Department issued a Request for Qualifications for engineering services with the RFQ Number 4413 for Professional Engineering and Testing Services for FY2023 and Bond 2022. The city received a total of eight Statements of Qualifications. The selection committee consisted of representatives from Engineering Services and Public Works. Firms were ranked based on five factors: 1) firm's experience and qualifications of firm; 2) team's experience and qualifications; 3) understanding of project scope based on understanding of scope of services, ability to maintain schedules, cost, and quality controls. Out of the eight firms the top four firms consisting of Professional Service Industries, Inc., Tolunay-Wong Engineers, Inc., Terracon Consultants, Inc., and Rock Engineering and Testing Laboratory, Inc., were selected for this service.

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 Residential Street Rebuild Program, Slough Road Reconstruction, Laguna Shores Road, Holly Road, JC Elliott Landfill Site Improvements, Bill Witt Park Parking Lot.

Tolunay-Wong Engineers, Inc., has provided geotechnical services for several City projects. Some of the projects are Beach Access Roads from Newport Pass Road & Zahn Road, Everhart Road from SPID to McArdle Road, Junior Beck Drive from Bear Lane to West Point Road.

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.

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.

ALTERNATIVES:

Not awarding this MSA will result in delays and increased costs 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 2023 is an amount of \$1,000,000.00 each for a one-year term to be funded through the 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., Tolunay-Wong Engineers, Inc., Terracon Consultants, Inc., and Rock Engineering and Testing Laboratory, Inc., in an amount of \$1,000,000 each for a one-year contract and one renewal option to be administratively authorized for a total contract amount not to exceed \$2,000,000 each. The services are planned to start in May 2023 with completion by April 2025.

LIST OF SUPPORTING DOCUMENTS:

Location and Vicinity Map
Evaluation Matrices
AE Contract Template