



Master Services Agreements Geotechnical Investigations and Construction Materials Testing



**Council Presentation
January 9, 2018**

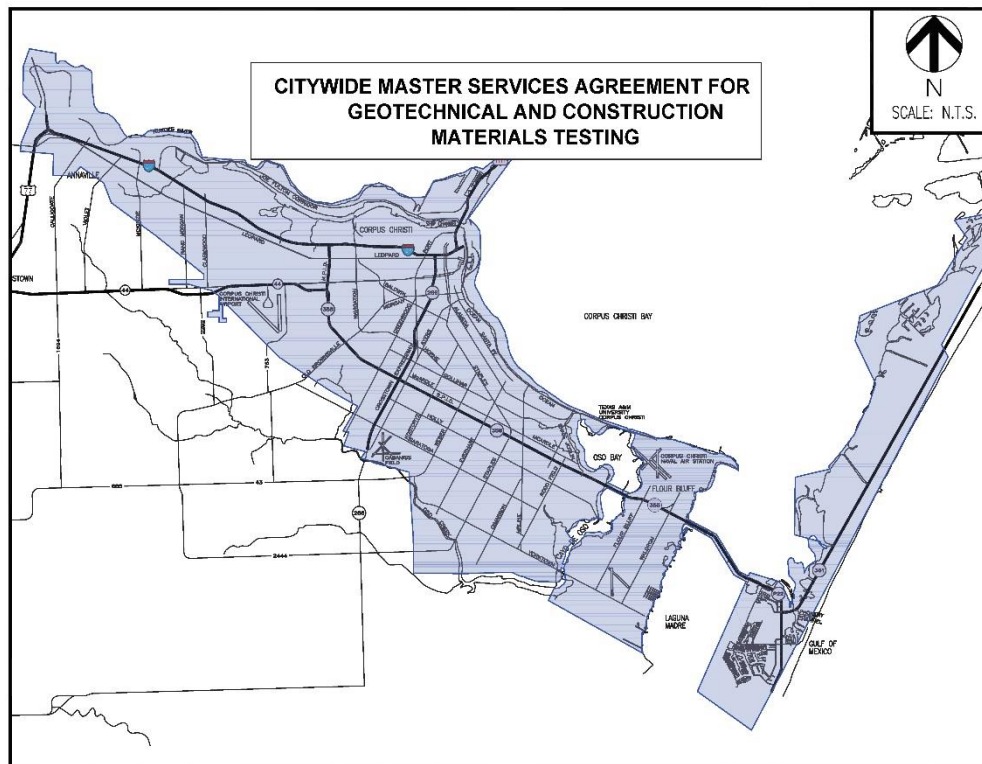


Geotech & Materials Testing MSAs



MASTER SERVICE AGREEMENTS (MSAs) (RFQ No. 2017-01)

	FIRM	NOT-TO-EXCEED AMOUNT
1.	Professional Service Industries, Inc.	\$ 800,000
2.	Rock Engineering & Testing, Inc.	\$ 800,000
3.	Tolunay-Wong Engineers, Inc.	\$ 800,000
	TOTAL AMOUNT	\$ 2,400,000





Project Scope



Award of three (3) Master Services Agreements (MSAs) for professional services for geotechnical investigations and material testing to ensure proper design and to minimize cost of design/construction. The MSAs are planned as follows:

- Each MSA not to exceed \$800,000
- Two-year base term with no extensions or renewals
- Individual Task Orders (TO) with scope and fee per project
- TO scope and fee negotiated and administratively authorized by the City Manager, or designee
- Geotechnical investigations and construction material testing to determine the engineering properties including how they will interact with, on or in a proposed construction project



Geotechnical Investigation Scope



Geotechnical Engineers investigate soil conditions and materials, then determine and design foundations, earthworks, and/or pavement subgrades required to construct a viable project.

These investigations and design determinations are critical to structural integrity and important tools to minimize design amendments and construction cost and change orders for City projects.



Material Testing Scope



Material Testing Services includes on-site testing and monitoring to analyze the construction/placement of soils, concrete, HMAC, welding connections and other miscellaneous materials including:

- Soil testing verifies structural fill, need for moisture adjustments, and provide an overview of earthwork activities
- Concrete testing includes sampling concrete for air content, slump, temperature and unit weight; making cylinder samples for compressive strength testing per project specifications
- HMAC testing includes monitoring temperature, lift thickness, compaction (core samples), aggregate gradation, asphalt content, bulk specific gravity, stability and flow
- Miscellaneous testing includes specialty work such as welding



Questions?
