

Memorandum



Date: June 16, 2020

To: Gary Hartfield, Division Director
Small Business Development
Internal Services Department

From: Josenrique Cueto, P.E., Assistant Director
Miami-Dade Water and Sewer Department

Subject: Review Item: Geotechnical Services, Special Inspections, Structural Assessments, Soils, Foundations and Material Testing Services Related to the Improvement, Upgrades and Expansions of Water and Wastewater Treatment Plants, Pump Stations, Collection, Distribution and Transmission Piping, and All Related Facilities as Necessary to Ensure Quality Control/Assurance for WASD's Capital Improvement Project No. E20-WASD-02A and Project No. E20-WASD-02B

The Miami-Dade Water and Department (WASD) is requesting that the subject projects be reviewed for Small Business Enterprise (SBE) measures for Architectural and Engineering (A/E) Services, in order to proceed with the advertisement and subsequent consultant selection for the projects listed below:

Project No. E20-WASD-02 A (Set-Aside)

WASD is seeking one (1) qualified firm under one (1) Professional Services Agreements (PSA) to provide geotechnical services. The term for the PSA is for five (5) years. Maximum compensation is \$2,000,000, plus ten (10) percent contingency allowance in accordance with Ordinance 00-65.

Project No. E20-WASD-02 B

WASD is seeking two (2) qualified firms under two (2) separate PSA to provide geotechnical services. The term for each PSA is for five (5) years. Maximum compensation for each PSA is \$4,000,000, plus ten (10) percent contingency allowance in accordance with Ordinance 00-65.

Attached are WASD's Departmental Input Worksheets and the Notice to Professional Consultants for your review and approval. Should you have any questions, please contact Patty Palomo, Chief, Intergovernmental Affairs Section at pattyd@miamidadegov or (786) 552-8040.

c: Patty Palomo, Chief of Intergovernmental Affairs

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Contract/Project Title: Geotechnical Services, Special Inspections, Structural Assessments, Soils, Foundations and Materials Testing Services Related to the Improvement, Upgrades and Expansions of Water and Wastewater Treatment Plants, Pump Stations, ...

Contract/Project No. E20-WASD-02A

Description: Geotechnical Services, Special Inspections, Structural Assessments, Soils, Foundations and materials Testing Services Related to the Improvement, Upgrades and Expansions of Water and Wastewater Treatment Plants, Pump Stations, ...

DEPARTMENT: Miami-Dade Water and Sewer Department (WASD) **CONTACT:** Patty Palomo
PHONE: (786) 552-8040


Estimated Cost: One (1) contract for two million dollars (\$2,000,000) with a ten percent (10%) contingency allowance in accordance with Ordinance 00-65.

Funding Sources: Various Funding Sources

ANALYSIS

Commodity/Service No. _____	SIC: _____	
<u>Trade/Commodity/Service Opportunities</u>		
Contract/Project History of Previous Purchases for Previous Three (3) Years		
Check Here if this is a New Contract/Purchase with no Previous History		
<u>Existing</u>	<u>2nd Year</u>	<u>1st Year</u>
Contractor _____	_____	_____
Ethnicity/Race _____	_____	_____
Gender _____	_____	_____
Contract Value _____	_____	_____
COMMENTS: _____		

RECOMMENDATIONS

<u>SBE GOAL</u>	<u>BID PREFERENCE</u>	<u>NO MEASURE</u>
_____	_____	<u>100% Set-Aside</u>
<u>Analysis for Goal Recommendation</u>		
<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>
_____	\$ _____	_____
_____	\$ _____	_____
_____	\$ _____	_____
Total:	\$ _____	_____
Basis for Recommendation: <u>100% Set-Aside</u>		
		
By: Josenrique Cueto, Assistant Director	Date: <u>6/16/2020</u>	Internal Services Department Date: _____

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Contract/Project Title: Geotechnical Services, Special Inspections, Structural Assessments, Soils, Foundations and Materials Testing Services Related to the Improvement, Upgrades and Expansions of Water and Wastewater Treatment Plants, Pump Stations, ...

Contract/Project No. E20-WASD-02B

Description: Geotechnical Services, Special Inspections, Structural Assessments, Soils, Foundations and Materials Testing Services Related to the Improvement, Upgrades and Expansions of Water and Wastewater Treatment Plants, Pump Stations, ...

DEPARTMENT: Miami-Dade Water and Sewer Department (WASD) **CONTACT:** Patty Palomo
PHONE: (786) 552-8040

Estimated Cost: Two (2) contracts each for four million dollars (\$4,000,000) with a ten percent (10%) contingency allowance in accordance with Ordinance 00-65.

Funding Sources: Various Funding Sources

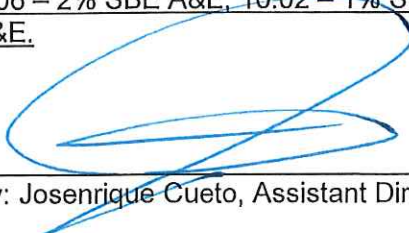
ANALYSIS

Commodity/Service No. _____	SIC: _____
<u>Trade/Commodity/Service Opportunities</u>	
Contract/Project History of Previous Purchases for Previous Three (3) Years	
Check Here if this is a New Contract/Purchase with no Previous History	
	<u>Existing</u> <u>2nd Year</u> <u>1st Year</u>
Contractor _____	_____
Ethnicity/Race _____	_____
Gender _____	_____
Contract Value _____	_____
COMMENTS: _____	

RECOMMENDATIONS

<u>SBE GOAL</u> 20 A/E % _____ %	<u>BID PREFERENCE</u> _____	<u>NO MEASURE</u> _____
<u>Analysis for Goal Recommendation</u>		
<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>
_____	\$ _____	_____
_____	\$ _____	_____
_____	\$ _____	_____
Total:	\$ _____	_____

Basis for Recommendation: WASD proposes that the goal can be achieved with SBE firms assisting with 9.01 - 5% SBE A&E, 9.02 - 3% SBE A&E, 9.03 - 3% SBE A&E, 9.04 - 1% SBE A&E, 9.05 - 2% SBE A&E, 9.06 - 2% SBE A&E, 10.02 - 1% SBE A&E, 10.05 - 1% SBE A&E, 10.06 - 1% SBE A&E, 10.07 - 1% SBE A&E.

 6/16/2020

By: Josenrique Cueto, Assistant Director Date: _____ Internal Services Department Date: _____

**MIAMI-DADE COUNTY
NOTICE TO PROFESSIONAL CONSULTANTS
MIAMI-DADE WATER AND SEWER DEPARTMENT
GEOTECHNICAL SERVICES, SPECIAL INSPECTIONS, STRUCTURAL ASSESSMENTS,
SOILS, FOUNDATIONS AND MATERIALS TESTING SERVICES RELATED TO THE
IMPROVEMENT, UPGRADES AND EXPANSIONS OF WATER AND WASTEWATER
TREATMENT PLANTS, PUMP STATIONS, COLLECTION, DISTRIBUTION AND
TRANSMISSION PIPING, AND ALL RELATED FACILITIES AS NECESSARY TO ENSURE
QUALITY CONTROL/ASSURANCE FOR WASD'S CAPITAL IMPROVEMENT PROJECTS
PROJECT NO. E20-WASD-02B**

The County Mayor, Miami-Dade County, pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance Section 2-8.2.12 of the County Code, Chapter 287.055, Florida Statutes and Administrative Order 3-39, announces that WASD will require professional geotechnical and materials testing engineering services from two (2) qualified Consultants to provide soils, foundations, geotechnical investigations, structural and special assessments as well as materials and systems testing for forthcoming water and wastewater treatment projects related to WASD's other capital improvement needs identified on the Multi-Year Capital Improvement Plan.

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of over 2.3 million, making it among the largest water/wastewater utilities in the United States. WASD has develop a multi-year Capital Improvement Program (CIP) to upgrade its facilities and infrastructure system throughout the County in order to renew and replace existing deteriorated system, and to ensure with efficient, proper management, operation and maintenance practices and to accommodate future growth and development or redevelopment. WASD recognizes the need for an independent, owner-controlled soils, foundations, geotechnical and materials testing services related to design parameters, quality assurance/quality control for the evaluation, design and implementation of other critical projects which are an integral part of the CIP.

The services of a geotechnical/material testing engineering firm responsible for ensuring quality assurance/quality control on all existing and ongoing CIP projects is necessary to ensure a code compliant, safe, complete, comprehensive and thorough renovations, enhancements, expansions and upgrades as necessary.

Scope of Services

Miami-Dade County has the need to establish two (2) Professional Services Agreements (PSAs) to provide soils, foundations, geotechnical and materials testing services plus special structural integrity assessments, threshold building inspections, and other special inspections as necessary for the new facilities, refurbishments, design and construction of all projects included in the CIP schedule. The work will be assigned as required by WASD for each of the selected firms available within the agreements. In addition to the above technical services the Consultant shall provide and maintain a formalized electronic central tracking system for the centralized utilization, storage and permanent warehousing of all data collected. The tracking system shall consist of software owned and operated by the consultant and shall track communications, Chain of Custody, ball in Court (with a mechanism for elevating alerts for items that age without being addressed) tracking Lab Data turn-around, and Quality Control measures to ensure consistent testing and laboratory procedures and results. The consultant shall provide services

for the quarterly transfer of data collected under this Agreement to Miami-Dade County's GIS system.

WASD intends to retain two (2) qualified firms under two (2) separate non-exclusive PSA. The term of the contract for each PSA is for a five (5) year period. Maximum compensation for each PSA is four million dollars (\$4,000,000) plus contingency in accordance with Ordinance 00-65.

Preferred Experience and Qualifications

The Prime consultant is highly preferred to be a full service geotechnical/ materials testing engineering firm experienced in similar facilities. Qualified firms are preferred to have proven successful experience with quality assurance/quality control, testing and inspection work, condition evaluation and special structural assessment, threshold building inspections, special inspections and with proven history of performance. The successful experience on the above items shall be demonstrated prior to the date of this solicitation. The Prime consultant shall provide a list of members of the proposed team, identifying the project/contract manager, and the team leaders for key specialties.

The Prime consultant shall describe its software system which serves as a repository and tracking system for all tests, data, and communications related to collection, distribution, action, and results pertaining to data developed under the services of this agreement. The demonstration shall include but not be limited to:

- Communications
- Chain of Custody
- Ball in Court with elevating alerts for aging items.
- Tracking time for Lab Data turnaround.
- Quality Control of Testing and Laboratory Operations

The Prime consultant should provide descriptions of at least two (2) successfully completed projects where similar services of each listed technical categories were provided prior to the date of this solicitation. The description shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, new technologies utilized), and a client reference and contact information. The Prime also should have a Construction Materials Engineering Council Certification for a laboratory that is located in Miami-Dade County.

The Subconsultants should also provide a description of at least two (2) projects that are relevant to the scope of work that they will be performing under this PSA. The descriptions shall include the client (i.e., municipality or agency). Key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

A/E TECHNICAL CERTIFICATION REQUIREMENTS

Prime

- 9.01 Soils, Foundations and Materials Testing - Drilling, Subsurface Investigations and Seismographic Services
- 9.02 Soils, Foundations and Materials Testing - Geotechnical and Materials Engineering Services

9.03 Soils, Foundations and Materials Testing - Concrete and Asphalt Testing Services

Prime and/or Sub-Consultants

- 9.04 Soils, Foundations and Material Testing – Non-Destructive Testing and Inspections
- 9.05 Soils, Foundations and Material Testing – Roof Testing and Consulting
- 9.06 Soils, Foundations and Material Testing – Material Testing/Consulting/Training
- 10.02 Environmental Engineering – Geology Services
- 10.05 Environmental Engineering – Contamination Assessment and Monitoring
- 10.06 Environmental Engineering – Remedial Action Plan Design
- 10.07 Environmental Engineering – Remedial Action Plan Implementation/Operation/Maintenance

BREAKDOWN LIST

Technical Categories (TC)	Description	TC Percent (%)	TC SBE %
9.01 Prime	Soils, Foundations and Materials Testing - Drilling, Subsurface Investigations and Seismographic Services	45%	5%
9.02 Prime	Soils, Foundations and Materials Testing - Geotechnical and Materials Engineering Services	20%	3%
9.03 Prime	Soils, Foundations and Materials Testing - Concrete and Asphalt Testing Services	14%	3%
9.04 Other	Soils, Foundations and Material Testing – Non-Destructive Testing and Inspections	2%	1%
9.05 Other	Soils, Foundations and Material Testing – Roof Testing and Consulting	3%	2%
9.06	Soils, Foundations and Material Testing –Asbestos	5%	2%
10.02 Other	Environmental Engineering – Geology Services	6%	1%
10.05 Other	Environmental Engineering – Contamination Assessment and Monitoring	1%	1%
10.06 Other	Environmental Engineering – Remedial Action Plan Design	2%	1%
10.07 Other	Environmental Engineering – Remedial Action Plan Implementation/Operation/Maintenance	2%	1%
	TOTAL	100%	20%

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QUALITY CONTROL/ASSURANCE FOR WASD'S CAPITAL IMPROVEMENT PROJECTS
PROJECT NO. E20-WASD-02A (SET ASIDE)**

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10.06 Other	Environmental Engineering – Remedial Action Plan Design	2%
10.07 Other	Environmental Engineering – Remedial Action Plan Implementation/Operation/Maintenance	2%
	TOTAL	SET-ASIDE
		100%