

Memorandum



Date: March 21, 2023

To: Gary Hartfield, Division Director
Small Business Development

From: Roy Coley, Director *Rg*
Miami-Dade Water and Sewer Department

Subject: Submittal Review Item: Engineering Design, and Related Services for Water and Wastewater Infrastructure (Water Mains, Force Mains, Gravity Sewers, and Water and Sewer Pump Stations)
Project No. E23WS02 Set-Aside

The Miami-Dade Water and Department (WASD) is requesting that the subject project be reviewed for Small Business Enterprise (SBE) measures for Architectural and Engineering (A/E) professional services, in order to proceed with the advertisement and subsequent consultant selection for this project.

WASD is seeking five (5) A/E Consultants to provide engineering design and related services for Water and Wastewater Infrastructure (water mains, force mains, gravity sewers, water and sewer pump stations). A detailed scope of services is attached as "Notice to Professional Consultants." The term for each Non-Exclusive Professional Services Agreement (PSA) is five (5) years with one (1) two (2) year option-to-renew. The maximum compensation for each PSA is three million dollars (\$3,000,000), with no contingency allowance. No minimum work or compensation will be assured to the retained Consultant.

The firm providing architectural and engineering services must be certified in the following technical categories with the respective percentages of the disciplines as indicated below:

Technical Categories (TC)	Description	TC Percent (%)
6.01 PRIME	Water and Sanitary Sewer Systems - Water Distribution and Sanitary Sewage Collection and Transmission Systems	25%
6.02 PRIME	Water and Sanitary Sewer Systems –Water and Sanitary Sewage Pumping Facilities	25%
16.00 PRIME	General Civil Engineering	10%
3.02B PRIME/SUB	Highway Systems – Minor Highway Design	1%
3.09 PRIME/SUB	Highway Systems – Signing, Pavement Marking, and Channelization	1%
10.05 PRIME/SUB	Environmental Engineering – Contamination Assessment and Monitoring	3%
10.09 PRIME/SUB	Environmental Engineering – Wellfield, Ground Water and Surface Water Protection and Management	5%
11.00 PRIME/SUB	General Structural Engineering	10%
12.00 PRIME/SUB	General Mechanical Engineering	10%

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13.00 PRIME/SUB	General Electrical Engineering	5%
20.00 PRIME/SUB	Landscape Architecture	5%
	TOTAL	100%

WASD is recommending a Set-Aside 100% SBE A/E goal. Attached are WASD's Departmental Input Worksheet 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 patty.palomo@miamidade.gov or (786) 552-8040.

Attachments

NOTICE TO PROFESSIONAL CONSULTANTS
ENGINEERING DESIGN AND RELATED SERVICES FOR WATER AND WASTEWATER
INFRASTRUCTURE (WATER MAINS, FORCE MAINS, GRAVITY SEWERS, AND
WATER AND SEWER PUMP STATIONS)
PROJECT NO. E23WS02 (SET ASIDE)

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, Sections 2-8.1 and 2-10.4 of the County Code, Implementing Order 3-34, and Administrative Order 3-39, the Miami-Dade County (County) Mayor announces that WASD is seeking five (5) qualified consultants to provide engineering design and related services for water and wastewater infrastructure (water mains, force mains, gravity sewers, and water and sewer pump stations).

Scope of Work:

WASD seeks the services of multiple consultants for the design, permitting, procurement, public engagement and related services of water and wastewater infrastructure, including water mains, force mains, gravity sewers, and water and sewer pump stations. The consultants shall provide, but not limited to, basis of design reports, engineering evaluations, engineering design, permitting services, engineering specifications, public outreach, procurement services and engineering services during construction.

The project will include all collection and distribution system assets within WASD's water and wastewater service areas. This includes, but is not limited to, water mains, force mains, gravity sewer, water pump stations, sewer pump stations, trenchless pipelines, and pipeline rehabilitation technologies. It will also encompass ancillary engineering services including, but not limited to, coordination and evaluation of volume sewer and water customer service areas, roadway and pavement design, and maintenance of traffic. The consultants will be able to develop construction documents, studies, and perform all engineering services required within the water distribution and wastewater collection system.

The scope is intended to upgrade existing water and sewer facilities and design new water mains, gravity sewers, force mains, and pump stations and will require the design consultants to perform engineering design on all phases of the project. The scope may include, but not limited to, renewal and replacement projects; performing preliminary site investigations; coordinating with other utilities; preparing design reports; evaluation of existing equipment condition; capacity analysis, evaluation of useful life expectancy; design services for renovations; preparation of drawings; preparation of contract specifications, structural engineering; mechanical engineering; electrical engineering. The scope may also include, but not limited to, obtaining dry-run permits; obtaining final environmental and building permits; coordination with WASD forces; providing engineering technical support during construction; review of shop drawings; responding to information requests; review of claims and potential change orders; review of contract schedules and schedule of values, and review of as-built drawings.

Preferred Experience and Qualifications

A prime consultant submitting (bid proposal) should be experienced in the design, permitting and procurement and engineering services during construction for pipelines and pump stations within the water and sewer systems.

The prime consultant should provide descriptions of three (3) successfully designed, constructed and operating distribution and collection system projects. The information shall include detailed descriptions of one (1) project of a water main or force main within the past five (5) years, one (1) project of a gravity sewer within the past five (5) years; and one (1) project of a sanitary sewer pump station within the past five (5) years.

For projects which the prime consultant has served as the design consultant, the prime consultant should provide the name and contact information for a utility executive with the utility they served as the design consultant who can confirm their role. The descriptions 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 consultant, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized) and a client reference and contact information.

The subconsultants should provide a description of one (1) project(s) that is relevant to this scope of work completed prior to the date of this solicitation specific to their proposed responsibilities. The descriptions should 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

- 6.01 Water and Sanitary Sewer Systems – Water Distribution and Sanitary Sewage Collection and Transmission
- 6.02 Water and Sanitary Sewer Systems – Major Water and Sanitary Sewage Pumping Facilities
- 16.00 General Civil Engineering

Prime and/or Subconsultants

- 3.02B Highway Systems – Minor Highway Design
- 3.09 Highway Systems – Signing, Pavement Marking, and Channelization
- 10.05 Environmental Engineering – Contamination Assessment and Monitoring
- 10.09 Environmental Engineering – Wellfield, Ground Water and Surface Water Protection and Management
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 20.00 Landscape Architecture

Technical Categories (TC)	Description	TC Percent (%)
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12.00 PRIME/SUB	General Mechanical Engineering	10%
13.00 PRIME/SUB	General Electrical Engineering	5%
20.00 PRIME/SUB	Landscape Architecture	5%
	TOTAL	100%

WASD intends to retain five (5) qualified consultants under five (5) separate Non-Exclusive Professional Services Agreements (PSA's). The term for each PSA is a five (5) year period, with a two-(2) year option-to-renew at the discretion of the County. The maximum compensation for each PSA is three million dollars (\$3,000,000), with no contingency allowance. No minimum amount of work or compensation will be assured to the retained consultant. The County reserves the right to re-use the work products of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion.

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Contract/Project Title: Engineering Design, and Related Services for Water and Wastewater Infrastructure (watermains, forcemain, gravity sewers, and water and sewer pump stations)

Contract/Project No. E23WS02 Set-Aside

Description: Engineering Design, and Related Services for Water and Wastewater Infrastructure (Watermains, forcemains, gravity sewers, and water and sewer pump stations)

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


Estimated Cost: Five (5) contracts, each for three million dollars (\$3,000,000), with no contingency allowance.

Funding Sources: Various Funding Sources

ANALYSIS

Commodity/Service No. _____		SIC: _____	
Trade/Commodity/Service Opportunities			
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>
100 Set - Aside %	_____	_____
_____ %	_____	_____
	<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>SET-ASIDE</u>		
	<u>3/21/23</u>	
By: Roy Coley, Director	Date:	Internal Services Department Date: