


Memorandum



Date: April 5, 2017

To: Gary Hartfield, Assistant Director,
Small Business Development

From: Lester Sola, Director
Miami-Dade Water and Sewer Department 

Subject: Review Item: Engineering Design and Related Services for the Design of Small Diameter Water and Wastewater Pipelines – Project No. E17-WASD-01

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) and Goods and Services (G/S), in order to proceed with the advertisement and subsequent consultant selection for this project.

WASD is seeking three (3) engineering firms to provide engineering design and related services for the design of small diameter water and wastewater pipelines for WASD's wastewater and water systems. A detailed scope of services is attached as "Notice to Professional Consultants." The term for each Non-Exclusive Professional Services Agreement (PSA) is six (6) years with a two (2) year option-to-renew. Maximum compensation is \$500,000, plus a ten percent (10%) contingency allowance in accordance with Ordinance 00-65. No minimum work or compensation will be assured to the retained consultants.

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

Technical Category (TC)	Description	Percentage (%)
6.01 Prime	Water Distribution and Sanitary Sewage Collection and Transmission Systems	69%
15.01	Surveying and Mapping – Land Surveying	5%
16.00	General Civil Engineering	15%
17.00 Prime	Engineering Construction Management	11%
	TOTAL	100%

WASD is recommending three (3) SBE First-Tier One Set Asides. 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

**DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Contract/Project Title: Engineering Design and related Services for the Design of Small Diameter Water and Wastewater Pipelines

Contract/Project No. E17-WASD-01

Description: Engineering Design and related Services for the Design of Small Diameter Water and Wastewater Pipelines

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

PHONE: (786) 552-8040

Estimated Cost: Three (3) contracts at \$500,000 each, plus a 10% contingency allowance in accordance with Ordinance 00-65.

Funding Sources: WASD Revenue Bonds Sold and Future WASD Revenue Bonds

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>
<u>100% First Tier 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:	\$ _____	_____
		<u>Availability</u>

Basis for Recommendation: WASD proposes three (3) First-Tier Set Asides

 4/3/17

By: Lester Sola, Director Date: _____ Internal Services Department Date: _____

**MIAMI-DADE COUNTY, FLORIDA
NOTICE TO PROFESSIONAL CONSULTANTS
MIAMI-DADE WATER AND SEWER DEPARTMENT
ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF SMALL
DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND
SEWER DEPARTMENT'S WATER AND WASTEWATER SYSTEMS
PROJECT NO. E17-WASD-01**

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 engineering services from three (3) qualified Consultants to provide design and related services for the design of small diameter pipelines (less than 24-inch in diameter) for water distribution, as well as sanitary force mains and sanitary sewer gravity interceptors related to WASD's other capital improvement needs identified in 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 developed a Multi-Year Capital Improvement Program (CIP) to upgrade its infrastructure system throughout the County, to renew and replace its existing deteriorated system, and to ensure efficient, reliable water and wastewater systems throughout the County to accommodate future growth and development or redevelopment. WASD recognizes the need for design services for small pipeline design and implementation of critical projects which are an integral part of the CIP.

Scope of Services

WASD will require engineering services for utility design, including planning and permitting assistance, and engineering services during construction for small diameter (i.e. less than 24-inch) water and sanitary sewer pipeline infrastructure upgrades and system betterments. The projects could be for the rehabilitation or replacement, as well as new, water distribution and sewage collection pipelines throughout the Water and Sewer Department 's service areas.

The scope of services consists of complete design services, which includes but is not limited to, performing preliminary route analysis, site investigations, surveying, maintenance of traffic plans, hydraulic analysis, coordination with other utilities, coordination with other municipalities and the public, preparation of design reports, preparation of drawings and contract specifications, preparation of design-build criteria packages, assistance during the permitting and procurement phases, and engineering services during construction. Engineering services during construction is anticipated to include, but is not limited to periodic site inspections, attendance at meetings, review of shop drawings, responding to requests for information, reviewing claims and potential change orders, reviewing contract schedules and schedule of values, and reviewing as-

built drawings. Project coordination services are anticipated to include, but are not limited to, establishing a plan to implement projects, establishing and tracking project schedules, project budgets and deadlines, preparing status reports and attending meetings as requested.

Experience and Qualifications

1. The Prime Consultant submitting shall be an engineering firm experienced in the design, permitting and construction management of water and sanitary sewer systems.
2. The Prime Consultant should demonstrate their successful experience with design, permitting and engineering services during construction of various types of pipe materials including polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron.
3. The Prime Consultant shall provide descriptions of at least one (1) successfully designed, constructed and operating new or upgraded water or sanitary sewer pipeline in which the Prime Consultant has served as the designer. For projects, which the Prime Consultant has served as the design consultant, the Prime Consultant shall 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 firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
4. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. 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), and 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 Distribution and Sanitary Sewage Collection and Transmission Systems
- 17.00 Engineering Construction Management

Prime and/or Subconsultants

- 15.01 Surveying and Mapping – Land Surveying
- 16.00 General Civil Engineering

BREAKDOWN LIST

Technical Category (TC)	Description	Percentage (%)
6.01 Prime	Water Distribution and Sanitary Sewage Collection and Transmission Systems	69%
15.01	Surveying and Mapping – Land Surveying	5%
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	TOTAL	100%

WASD intends to retain three (3) qualified firms under three (3) separate Professional Services Agreements (PSA). Maximum compensation for each contract is \$500,000, plus a ten percent (10%) contingency allowance in accordance with Ordinance 00-65. The term of the contract is for six (6) years with a two (2) year option-to-renew. The proposals received for this project will be reviewed and ranked by the Competitive Selection Committee (CSC) members. The three (3) highest ranked, responsive, and responsible firms will be selected and forwarded to the County Mayor or the County Mayor's designee for negotiations and award. No minimum amount of work or compensation will be assured to the retained consultant(s). 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.