



October 9, 2012

To: CBE Engineering Firms

Re: Non-exclusive Professional Services for a Program Management Consultant and Related Services

Project No.: E12-WASD-03

The above-referenced project is being considered for a sub-consultant goal among Community Business Enterprise (CBE) firms. If you are interested in participating as a **1<sup>st</sup> or 2<sup>nd</sup> Tier CBE Sub-consultant** to perform work in the area of *19.06-(Value Analysis-Water and Sanitary Systems)*, with this project, **please complete and return the attached Verification of Availability form and provide examples of work your firm has completed (required) on similar projects as outlined in the attached project description, by 11:00am, Thursday October 11, 2012.**

Please review the attached project description and requirements. These specifications are being reviewed and are subject to change.

The Verification of Availability form and required examples of previous work may be sent via facsimile transmission (305) 375-3160 or email to [walterv@miamidade.gov](mailto:walterv@miamidade.gov). If you have any questions, please contact me at (305) 375-3138.

Sincerely,

A handwritten signature in black ink, appearing to read "Vivian O. Walters, Jr." with a stylized flourish at the end.

Vivian O. Walters, Jr.,  
Contract Development Specialist 2  
Sustainability, Planning & Economic Enhancement Dept. (SPEED)  
Small Business Development Division

Attachments



**DESCRIPTION OF PROJECT**

**Project Title:** Non-exclusive Professional Services for a Program Management Consultant and Related Services

**Project Number:** E12-WASD-03

**Department:** Water & Sewer

**Estimated Cost:** \$2,000,000.00

**Technical Categories:**

<b>TC No.</b>	<b>Description</b>	<b>Percentage</b>	<b>Amount</b>
6.01	<b>Water Distribution &amp; Sanitary Sewage (Prime)</b>	<b>22%</b>	
6.02	<b>Major Water and Sanitary Sewage Pumping Facilities (Prime)</b>	<b>18%</b>	
6.03	<b>Water and Sanitary Sewage Treatment Plant</b>	<b>18%</b>	
9.01	Drilling, Subsurface Investigations	1%	
9.02	Geotechnical and materials Engineering	1%	
10.05	Contamination Assessment and Monitoring	1%	
11.00	<b>General Structural Engineering</b>	<b>10%</b>	
15.01	Land Surveying and Mapping	3%	
15.02	Aerial Photogrammetry	2%	
15.03	Underground Utility Location	2%	
16.00	General Civil Engineering	3%	
17.00	<b>Engineering Construction Management</b>	<b>11%</b>	
19.06	Value Analysis, Water and Sanitary Systems	8%	
	<b>Total Estimated Consultant Fees</b>	<b>100%</b>	<b>\$2,000,000.00</b>

Overall Project Description

See attached Memo and NTPC

\*Minimum Requirements

- Sub-consultants certified in Technical Category 19.06 (and providing services in the same)

*Firms under category 19.06 should have a minimum experience in the last four years:*

- The evaluation (for this solicitation) should be conducted by a firm with direct experience in performing large scale program management contracts.

Do you have prior experience satisfying the above stated? Yes \_\_\_ No \_\_\_

- Experience in process(es) involving the establishment of review protocols and management systems.

Do you have prior experience satisfying the above stated? Yes \_\_\_ No \_\_\_

**CBE firms are required to provide the project names, dollar values, and contact names of the projects worked on (satisfying the above stated requirements).**

**\*This information is REQUIRED along with the signed Verification Form**

	and Seismographic Services			
9.02	Geotechnical and Materials Engineering Services	1		
10.05	Contamination Assessment and Monitoring	1		
11.00 PRIME	General Structural Engineering	10		
15.01	Land Surveying and Mapping	3		
15.02	Aerial Photogrammetry	2		
15.03	Underground Utility Location	2	1	\$20,000
16.00	General Civil Engineering	3		
17.00 PRIME	Engineering Construction Management	11	3	\$60,000
19.06	Value Analysis, Water and Sanitary Systems	8		
	TOTAL	100	10	\$200,000

The Prime consultant must hold the following Technical Categories: **6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems, 6.02 Major Water and Sanitary Sewage Pumping Facilities, 6.03 Water and Sanitary Sewage Treatment Plant, 11.00 General Structural Engineering; and 17.00 Engineering Construction Management.**

Interested Professional Consulting Firms must have four (4) years of similar work experience as delineated in the attached Notice to Professional Consultants (attached) as listed below. The expertise can be met by any qualified individual(s) of the consultant's team (prime or subconsultant).

- Documented experience in conducting the evaluation of the condition of utility assets using state of the art technologies such as electromagnetic testing.
- Team members shall also have participated in a program management effort at a major utility which included identifying, prioritizing and rehabilitating deteriorated pipelines and facilities for a period of at least four (4) years.

WASD is recommending a 10% CBE participation goal. Attached is WASD's Departmental Input Worksheet for your review and approval.

Should you have any questions, please contact Patty David, A/E Professional Services Manager at [pattyd@miamidade.gov](mailto:pattyd@miamidade.gov) or (786) 552-8040.

Attachments

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

**Contract/Project Title:** Program Management Consultant and related services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols

**Contract/Project No.** E12-WASD-03

**DESCRIPTION:** Program Management Consultant and related services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols

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

**ESTIMATED COST:** \$2 million **FUNDING SOURCE:** 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>	<input type="checkbox"/>	<u>2<sup>nd</sup> Year</u>	<u>1<sup>st</sup> Year</u>
Contractor	_____	_____	_____	_____
Ethnicity/Race	_____	_____	_____	_____
Gender	_____	_____	_____	_____
Contract Value	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_

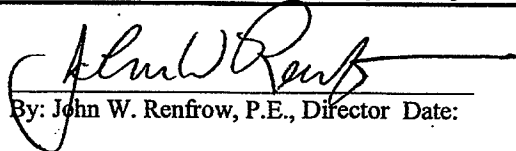
**RECOMMENDATIONS**

<u>CBE GOAL</u>	<u>BID PREFERENCE</u>	<u>NO MEASURE</u>
<u>10 %</u>	_____	_____

Analysis for Goal Recommendation

<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>	<u>Availability</u>
_____	\$ _____	_____	_____
_____	\$ _____	_____	_____
_____	\$ _____	_____	_____
<b>Total:</b>	\$ _____	_____	_____

Basis for Recommendation: WASD proposes that the goal can be achieved with the CBE firm assisting with – 3% 6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems; 3% Major Water and Sanitary Sewage Pumping Facilities ; 1% Underground Utility Location; 3% Engineering Construction Management

  
 By: John W. Renfrow, P.E., Director Date: \_\_\_\_\_

\_\_\_\_\_ Date: Regulatory and Economic Resources

MIAMI-DADE COUNTY, FLORIDA  
NOTICE TO PROFESSIONAL CONSULTANTS  
MIAMI-DADE WATER AND SEWER DEPARTMENT

**PROGRAM MANAGEMENT CONSULTANT AND RELATED SERVICES TO ESTABLISH A  
COMPREHENSIVE INFRASTRUCTURE ASSESSMENT AND REPLACEMENT PROGRAM  
(IAARP) FOR WATER TRANSMISSION AND DISTRIBUTION MAINS INCLUDING  
PREPARATION OF CONDITION EVALUATIONS, FORENSIC ANALYSIS, RISK ASSESSMENTS  
AND RENEWAL OPTION PROTOCOLS  
PROJECT NO. E12-WASD-03**

The County Mayor, Miami-Dade County (County), pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1 and 2.10.4 of the County Code and Administrative Orders 3.34 and 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from one (1) qualified consultant to devise and establish a comprehensive program for pipeline infrastructure evaluation and renewal; including condition assessment, risk determination, project identification and prioritization of necessary water main remediation projects of all diameters. The renewal criteria may be based on pipeline material, age, size, maintenance history, condition, area impacted or other criteria identified in the appraisal. The evaluation/prioritization protocol will propose a method, utilizing an accepted model (such as the American Water Works and Research Foundation (AWWARF) model KANEW model), to relate the probability of failure to the consequences of failure and to establish the overall priority of the project being evaluated. This task will also include investigating various Renewal and Replacement (R&R) methods available and establishing protocols to determine the most cost effective method to be utilized in any given situation. It is intended that the program established will make full use of the numerous condition assessment, leak detection and trenchless rehabilitation technologies for potable water applications including visual inspection, limited exterior inspection, and electromagnetic testing (EMT) which have emerged in recent years. The program will provide the organizational structure required for implementation of the rehabilitation of the County's water system for the next thirty (30) years while maximizing the impact of available funding.

The second phase of this project will entail the utilization of the program plan to administer, through the Program Management Team, the actual evaluation and rehabilitation of the deteriorated assets. The Program Management Team will consist of consultants and WASD personnel working in parallel functions as a team to provide the various program management functions such as design and construction management (both in-house and contract), record keeping, asset allocation and overall program organization. Over time the consultant's role is to be diminished and WASD's role increased until the program is solely administered by WASD staff.

Engineering services are anticipated to include, but not be limited to, generating evaluation criteria for the various pipe materials and sizes in the WASD system, creating protocols for utilization of alternative R&R technologies, coordinating and training WASD personnel, preparing design reports, drawings and contract specifications and permitting and procurement activities. Construction management services are required to provide technical support during construction. Technical support during construction is anticipated to include, but not be limited to, periodic site inspections and attendance at meetings, review shop drawings, respond to information requests, review claims and potential change orders, review contract schedules and schedule of values, review as-built drawings. Project coordination services are anticipated to include, but not be limited to, establishing a plan to implement projects, establish and track project schedules, budgets and deadlines, prepare status reports and attend meetings as requested.

The prime and/or the sub consultants are required to have documented experience in conducting the evaluation of the condition of utility assets using state of the art technologies such as electromagnetic testing. Team members shall also have participated in a program management effort at a major utility which included identifying, prioritizing and rehabilitating deteriorated pipelines and facilities for a period of at least four (4) years.

Prime consultants may only submit one proposal for this project; the highest ranking firm selected will be forwarded to the County Mayor for approval to negotiate and award.

WASD intends to retain one (1) qualified firm under a non-exclusive Professional Services Agreement. The term of the contract is for a three (3) year period. Maximum compensation for the contract is two million dollars (\$2,000,000) plus contingency in accordance with Ordinance 00-65. No minimum amount of work or compensation will be assured to the retained consultant. The County reserves the right to reduce the scope work of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion. The consultant coordinator for this project is \_\_\_\_\_ who may be contacted via e-mail at \_\_\_\_\_ or fax at \_\_\_\_\_ with copy to the Clerk of the Board.

**TECHNICAL CERTIFICATION REQUIREMENTS**

**Prime**

- 6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems
- 6.02 Major water and Sanitary Sewage Pumping Facilities
- 6.03 Water and Sanitary Sewer Treatment Plant
- 11.00 General Structural Engineering
- 17.00 Engineering Construction Management

**Prime and/or Sub consultants**

- 9.01 Drilling, Subsurface Investigations and Seismographic Services
- 9.02 Geotechnical and Materials Engineering Services
- 10.05 Contamination Assessment and Monitoring
- 15.01 Land Surveying
- 15.02 Aerial Photogrammetry
- 15.03 Underground Utility Location
- 16.00 General Civil Engineering
- 19.06 Value Analysis, Water and Sewer Systems

**CBE Goal – 10%**

**BREAKDOWN LIST**

	<u>%</u>	<u>CBE%</u>
6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems	22	3
6.02 Major water and Sanitary Sewage Pumping Facilities	18	3
6.03 Water and Sanitary Sewer Treatment Plant	18	
9.01 Drilling, Subsurface Investigations and Seismographic Services	1	



9.02 Geotechnical and Materials Engineering Services	1	
10.05 Contamination Assessment and Monitoring	1	
11.00 General Structural Engineering	10	
15.01 Land Surveying	3	
15.02 Aerial Photogrammetry	1	
15.03 Underground Utility Location	2	1
16.00 General Civil Engineering	3	
17.00 Engineering Construction Management	10	3
19.06 Value Analysis, Water and Sewer Systems	8	
<b>TOTAL</b>	<b>100%</b>	<b>10%</b>