



November 8, 2013

To: CBE Engineering Firms

Re: Design Services for Wastewater Treatment Plants Related to Consent Decree Projects

Project No.: E13-WASD-05

The above-referenced project is being considered for competition measures among Community Business Enterprise (CBE) firms. If you are interested in participating as a **CBE Prime** (in **Technical Categories 6.02 & 6.03**) or **CBE Sub-Consultant** (in **Technical Categories 6.02, 6.03, 9.01, 9.02, 9.04, 10.05, 11.00, 12.00, 13.00, 15.01, & 16.00**) to perform work in connection with this project in, **please complete and return the attached Verification of Availability form and, provide the "Required" examples of work your firm have completed on similar projects as outlined in the attached project description, by 3:00am, Thursday November 14, 2013.**

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.'.

**Vivian O. Walters, Jr.**

Contract Development Specialist II  
Regulatory and Economic Resources Department  
Small Business Development Division  
111 NW 1st Street #19 Floor  
Miami, FL 33128  
[walterv@miamidade.gov](mailto:walterv@miamidade.gov)

Office (305) 375-3138 | Fax (305) 375-3160

*"Delivering Excellence Every Day"*

Attachments

**VERIFICATION OF AVAILABILITY**

DEPARTMENT OF SMALL BUSINESS DEVELOPMENT  
COMMUNITY BUSINESS ENTERPRISE PROGRAM  
111 N.W. 1<sup>st</sup> STREET, 19<sup>TH</sup> FLOOR  
MIAMI, FLORIDA 33128

PROGRAM COORDINATOR: MR. VIVIAN WALTERS, JR.

I am herewith submitting this letter of verification of availability and capability to propose at such time as this project is advertised. (NOTE: Please provide all the information requested; incomplete and/or incorrect verifications are not acceptable or usable.)

CONTRACT TITLE AND NUMBER: Design Services for Wastewater Treatment  
Plants Related to Consent Decree Projects  
  
E13-WASD-05

CONTRACT ESTIMATED AMOUNT: To Be Negotiated

**\*\*\*CHECK BELOW IF YOU ARE RESPONDING AS A PRIME OR SUB-CONSULTANT\*\*\***

**PRIME** – Certified in 6.02 & 6.03 (Check As Applicable) - \_\_\_\_\_

(Must be certified in all three Technical Categories)

**SUB-CONSULTANTS** - CHECK THE RELATED CATEGORY

6.02 \_\_\_\_\_ 6.03 \_\_\_\_\_ 9.01 \_\_\_\_\_ 9.02 \_\_\_\_\_ 9.04 \_\_\_\_\_ 10.05 \_\_\_\_\_

11.00 \_\_\_\_\_ 12.00 \_\_\_\_\_ 13.00 \_\_\_\_\_ 15.01 \_\_\_\_\_ 16.00 \_\_\_\_\_

NAME OF COMMUNITY BUSINESS ENTERPRISE \_\_\_\_\_ Certification Expires: \_\_\_\_\_  
DATE

ADDRESS CITY ZIP CODE

Telephone: \_\_\_\_\_ Bonding Capacity: N/A

PRINT NAME AND TITLE

SIGNATURE OF COMPANY REPRESENTATIVE DATE

REVISED 10/11/94

## DESCRIPTION OF PROJECT

**Project Title:** Design Services for Wastewater Treatment Plants Related to Consent Decree Projects

**Project Number:** E13-WASD-05

**Department:** Miami-Dade Water and Sewer Department (WASD)

**Estimated Cost:** To Be Negotiated...

### Technical Categories:

<b>TC No.</b>	<b>Description</b>	<b>Percentage</b>	<b>Amount</b>
<b>6.02</b>	<b>Major Water and Sanitary Sewage Pumping Facilities (Prime)</b>	<b>20%</b>	
<b>6.03</b>	<b>Water and Sanitary Sewage Treatment Plants</b>	<b>25%</b>	
9.01	Drilling, Subsurface Investigations and Seismographic Services	1%	
9.02	Geotechnical and Materials Engineering Services	1%	
9.04	Non-Destructive Testing and Inspections	1%	
10.05	Contamination Assessment and Monitoring	1%	
11.00	General Structural Engineering	15%	
12.00	General Mechanical Engineering	15%	
13.00	General Electrical Engineering	15%	
15.01	Surveying and Mapping Land Surveying	1%	
16.00	General Civil Engineering	5%	
<b>Total Estimated Consultant Fees</b>		<b>100%</b>	<b>TBN</b>

## **Overall Project Description**

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of almost 2.3 million, making it among the largest water/wastewater utilities in the United States. On May 21, 2013, the Board of County Commissioners approved the Consent Decree (CD) negotiated with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the State of Florida Department of Environmental Protection (FDEP). The CD outlines the activities to be undertaken to reduce Sanitary Sewer Overflows (SSO's), exceedances of treated effluent limitations, and to ensure proper management, operation and maintenance practices. All capital improvement projects must be completed on or before fifteen (15) years from the date of lodging (June 6, 2013) of the CD with the United States District Court. Many program requirements are required to be delivered within a certain time after the CD's "effective date" which is defined as the date the court enters the CD or six (6) months after the date of lodging whichever occurs first. WASD recognizes the need for design services at the wastewater treatment plants as part of the capital improvement program. The Consultant shall be familiar with the most recent version of the CD which will be available for review at WASD's website at <http://www.miamidade.gov/water/wastewater-improvement-projects.asp>

The Consultant shall perform preliminary design, design development, construction documents, permitting and bid services, and design services during construction for upgrades at all three (3) of the County's wastewater treatment plants (South District, Central District and North District) for projects specified in conjunction with the CD and attached as an appendix to this solicitation.

The Consultant selected will be required to work in coordination with WASD staff to deliver an integrated construction approach and schedule that does not adversely impact wastewater treatment plants (WWTP) operations, treatment capacity, or effluent quality. The Consultant shall ensure that the design of the capital improvements are technically, economically, and functionally consistent and are implemented in a manner that meets the specific deadlines and milestones of the CD and the requirements of the Clean Water Act, WASD's National Polluted Discharge Elimination System Permits, FDEP regulations, and any additional applicable regulatory requirements.

Design services to be provided by the Consultant will include, but are not limited, to the following:

- Develop the Basis of Design Reports (BODR) for the capital program at the WWTP's, while taking into account all project alternatives using life cycle cost analysis and identifying and recommending mitigation options to deal with future sea level rise and storm surge.
- Use of Building Information Modeling Technology 3D, 4D and 5D modeling.
- Perform wastewater treatment process modeling and computational fluid dynamic modeling in support of design efforts.
- Conduct and/or coordinate underground utility and sub-surface investigations in support of the BODR.
- Perform pilot testing as necessary to confirm specific design parameters.

- Based on the Department's approved BODR and delivery method (i.e. Design-Bid-Build, Design-Build) the Consultant will prepare the required bid documents.
- Assist WASD in evaluating procurement methods for equipment.
- Attain all applicable permits as necessary depending on the delivery method selected.
- Assist WASD in the bid process, including responding to RFI's, reviewing bids and making recommendations for award.
- Provide design services during construction including but not limited to reviewing and responding to all contractor submittals, review and respond to all contractor claims, review and respond to RFI's and review of final certification documents provided by the contractor(s).

**Can you satisfy (all) the above stated requirements?**

Yes \_\_\_\_\_ No \_\_\_\_\_

Minimum Experience and Qualifications

The Prime must be certified in (6.01, 6.02 & 6.03) – Are you? Yes \_\_\_\_\_ No \_\_\_\_\_

A Prime Consultant submitting must be experienced in all phases of wastewater engineering, including design, permitting, construction, and operation and maintenance of wastewater treatment and disposal systems.

**Do you have prior experience satisfying the above stated?**

Yes \_\_\_\_\_ No \_\_\_\_\_

The Prime Consultant should also have experience with design and commissioning of wastewater treatment plant upgrades of similar scope and complexity within the last ten (10) years from the date of this solicitation. The Prime Consultant shall provide a list of members of the proposed Design Team, identifying the overall Design Manager(s), and the team leaders for key design specialties (process-liquid stream treatment, process – biosolids treatment, civil, structural, mechanical, electrical and instrumentation) and the specific role each one of them will perform.

**Do you have prior experience satisfying the above stated?**

Yes \_\_\_\_\_ No \_\_\_\_\_

The Prime Consultant shall have at least one (1) successfully designed, constructed and which is currently under operations for a major new or upgraded wastewater treatment plant(s) of similar size and scope as in this solicitation in which the Prime Consultant has served as the designer within the past ten (10) years from the date of solicitation. For projects which the Consultant has served as the design consultant, the 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. All work with WASD of a similar nature should likewise be described to assure familiarity with WASD's system.

**Do you have prior experience satisfying the above stated?**

Yes \_\_\_\_\_ No \_\_\_\_\_

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**Sub-consultants:**

The Subconsultants shall have at least one (1) program or project that is relevant to this scope of work within the past ten (10) years from the date of this solicitation specific to their proposed responsibilities with the exception of technical categories 9.01-Drilling, Subsurface Investigations and Seismographic Services, 9.02-Geotechnical and Materials Engineering Services and 9.04-Non-Destructive Testing and Inspections. 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. All work with WASD of a similar nature should likewise be described to assure familiarity with WASD's system.

**Do you have prior experience satisfying the above stated?**

Yes \_\_\_\_\_ No \_\_\_\_\_

**Can you satisfy the above stated requirements?**

Yes \_\_\_\_\_ No \_\_\_\_\_

**PLEASE BE SURE TO INCLUDE THE NAMES & CONTACT INFORMATION**

**MEETING THE STATED REQUIREMENTS**