



October 10, 2013

To: CBE Engineering Firms

Re: Design Services for Wastewater Collection and Transmission Systems related to the Consent Decree Projects

Project No.: E13-WASD-04

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 6.01 and 6.02**) or **CBE Sub-Consultant** (in **Technical Categories 9.01, 9.02, 9.04, 10.05, 11.00, 12.00, 13.00, 15.01, and 16.00**) to perform work in connection with this project in, **please complete and return the attached Verification of Availability form and (for Primes), provide any examples of work your firm have completed on similar projects as outlined in the attached project description, by 12:00pm, Tuesday October 15, 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. 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 II
Regulatory and Economic Resources Department
Small Business Development Division
111 NW 1st Street #19 Floor
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"Delivering Excellence Every Day"

Attachments

DESCRIPTION OF PROJECT

Project Title: Design Services for Wastewater Collection and Transmission Systems related to the Consent Decree Projects

Project Number: E13-WASD-04

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

Estimated Cost: To Be Negotiated With Selected Consultant

Technical Categories:

TC No.	Description	Percentage	Amount
6.01	Water Distribution and Sanitary Sewage Collection and Transmission Systems (Prime)	20%	
6.02	Major Water and Sanitary Sewage Pumping Facilities (Prime)	35%	
9.01	Drilling Subsurface Investigations	2%	
9.02	Geotechnical and Materials Engineering	1%	
9.04	Non-Destructive Testing and Inspections	2%	
10.05	Contamination Assessment and Monitoring	2%	
11.00	General Structural Engineering	10%	
12.00	General Mechanical Engineering	10%	
13.00	General Electrical Engineering	10%	
15.01	Land Surveying	3%	
16.00	General Civil Engineering	5%	
Total Estimated Consultant Fees		100%	TBD

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 CD 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 of the wastewater collection and transmission system 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 services required by the Consultant will include, but is not limited to, preliminary design, design, permitting and bid services, and design services during construction for upgrades to the wastewater collection and transmission systems (WCTS). 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. The scope of services will include, but not limited to, the following:

- Develop the Basis of Design Reports (BODR) for the CD capital program of the WCTS, 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.
- Conduct and/or coordinate underground utility and sub-surface investigations in support of the BODRs.
- 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 request for information, reviewing bids and making recommendation 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 requests for information, and review of final certification documents provided by the contractor(s).

Services may also include providing wastewater hydraulic computer modeling services required by the CD, including model updates and calibration, and as required in support of the Pump Station Improvement Program using WASD Infoworks CS Model. This requires the Consultant to have license(s) of Infoworks CS Hydraulic Software, latest version and be proficient with its use on large wastewater transmission and gravity networks.

Do you have prior experience satisfying the above stated?

Yes _____ No _____

Can you satisfy the above stated requirements?

Yes _____ No _____

Minimum Experience and Qualifications

The Prime must be certified in (both **6.01 & 6.02**)

Prime Consultants must be experienced in all phases of wastewater engineering, including design, permitting, construction, and operation and maintenance of wastewater collection and transmission systems.

Prime Consultants should have experience with design and commissioning of wastewater collection and transmission system upgrades of similar scope and complexity within the last ten (10) years from the date of this solicitation. The Prime Consultants 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 (civil, structural, mechanical, electrical and instrumentation) and the specific role each one of them will perform.

Prime Consultants

Prime Consultants should have at least one (1) successfully designed, constructed and operated a major new or upgraded wastewater collection pipeline and pump station in which the Prime Consultant has served as the designer within the past ten (10) years from the date of solicitation.

Do you have prior experience satisfying the above stated?

Yes _____ No _____

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.

Can you satisfy the above stated?

Yes _____ No _____

Subconsultants

The **Subconsultants** should 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. The project description(s) 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.

Do you have prior experience satisfying the above stated?

Yes _____ No _____