



January 30, 2014

To: CBE Engineering Firms

Re: Design of Upgrades for Water Distribution and Sanitary Sewage Collection and Transmission Systems

Project No.: E13-WASD-10

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 & 17.00**) or **CBE Sub-Consultant** (in **Technical Categories 9.02, 10.05, 15.01, & 16.00**) perform work in connection with this project in, **please complete and return the attached Verification of Availability form and provide examples of work your firm have completed on similar projects as outlined in the attached project description, by 20:00pm, Monday February 3, 2014.**

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

The Verification of Availability form and examples of previous work (if any), 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

Internal Services 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





## 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 and wastewater utilities in the United States. WASD owns and maintains approximately 5,800 miles of water distribution and transmission pipelines and 4,100 miles of wastewater collection and transmission pipelines. The water system infrastructure averages 45 years with the oldest pipes in the system dating back to the mid 1920's. Similarly, the wastewater infrastructure averages 55 years with the oldest pipes in the system dating back to the 1930's. WASD is seeking engineering services for utility design, including planning, permitting assistance and design services during construction for system upgrades to water and sewer pipelines.

The scope of services consists of complete design services, which will include but not be limited to, performing preliminary route analysis, site investigations, surveying, geotechnical services, maintenance of traffic plans, hydraulic analysis, coordination with other utilities, coordination with other municipalities and the public, preparation of design reports, preparation of drawings, specifications and contract documents, preparation of design-build criteria packages, permitting and post design assistance during the procurement and construction phases. Engineering support during construction is anticipated to include, but not be limited to, periodic site inspections, and attendance at meetings. Support will also require the review of: shop drawings, requests for information, potential claims and change orders, contract schedules, schedule of values and as-built drawings, among others as needed. Project coordination services are anticipated to include, but are not limited to, establishing a plan to implement projects, establish and track project schedules, budgets and deadlines, prepare status reports and attend meetings as requested.

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

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

**Are you able to satisfy the above stated "scopes of services"?**

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

Some of the anticipated future pipeline design needs include, but are not limited to, the following:

### **Water:**

- Small diameter water main replacement: There is approximately 1,000 miles of small diameter (4-inch and less) water distribution mains in the County which should be replaced. As a point of reference, the proposed Shenandoah Neighborhood Design-Build Project, which is currently being managed in-house, has approximately 15 miles of pipe replacement. The small diameter water main replacement program is scheduled to be more aggressive in the capital budget.

- Master Plan Projects which are generally larger than 24-inch diameter transmission mains.
- Projects which will be identified by the Comprehensive Infrastructure Assessment and Replacement Program (IAARP) for water transmission and distribution mains.

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

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

**Are you able to satisfy the above stated “scopes of services”?**

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

**Sewer:**

- Wastewater Master Plan Projects which are generally larger than 24-inch diameter transmission mains.
- Projects identified to relieve sewer capacity issues due to regional development or re-development, such as the Doral forcemain and Brickell Basin forcemain projects.
- Projects which will be identified by the Comprehensive IAARP for wastewater collection and transmission mains.

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

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

**Are you able to satisfy the above stated “scopes of services”?**

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

**Minimum Experience and Qualifications**

**Prime:**

The Prime must be certified in (6.01 & 17.00)

Are you? Yes \_\_\_\_\_ No \_\_\_\_\_

The **Prime Consultant** should demonstrate their successful experience with the planning, design, specifications and contract development, permitting and post design services during procurement and construction of various types of pipe materials including polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron and various types of pipe installation and rehabilitation methods.

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

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

**Are you able to satisfy the above stated “scopes of services”?**

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

The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines (36-inch and greater).

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

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

**Are you able to satisfy the above stated "scopes of services"?**

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

The Prime Consultant team should demonstrate their successful design experience with both micro-tunneling and horizontal directional drilling, with the Prime providing the experience in at least one (1) of the aforementioned trenchless technologies. The successful experience on the above items should be demonstrated 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.

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

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

**Are you able to satisfy the above stated "scopes of services"?**

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

The Prime Consultant shall provide descriptions of at least one (1) successfully designed, constructed and operating major new or upgraded water transmission pipeline and wastewater collection and wastewater transmission pipeline 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 Respondent has served as the design consultant, the Respondent 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.

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

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

**Are you able to satisfy the above stated "scopes of services"?**

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

**Sub-consultants:**

The Subconsultants shall provide a description of at least one (1) 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 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 with contact information.

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

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

**Are you able to satisfy the above stated "scopes of services"?**

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

**Design Upgrades for Water Distribution and Sanitary Sewage Collect and  
Transmission**

**E13-WASD-10 - Verification of Availability**

**January 30, 2014**

Please complete the following "Reference Requirements":

**Project Title:**  
**Client Name**  
**Contact No.:**  
**Scope Description:**

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**Project Title:**  
**Client Name**  
**Contact No.:**  
**Scope Description:**

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**Client Name**  
**Contact No.:**  
**Scope Description:**

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**MIAMI-DADE COUNTY, FLORIDA  
NOTICE TO PROFESSIONAL CONSULTANTS  
MIAMI-DADE WATER AND SEWER DEPARTMENT  
DESIGN OF UPGRADES FOR WATER DISTRIBUTION AND SANITARY SEWAGE  
COLLECTION AND TRANSMISSION SYSTEMS  
PROJECT NO. E13-WASD-10**

The County Mayor, of Miami-Dade County, pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from two (2) qualified consultants for Design of Upgrades for Water Distribution & Transmission and Sanitary Sewage Collection and Transmission Systems.

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 and wastewater utilities in the United States. WASD owns and maintains approximately 5,800 miles of water distribution and transmission pipelines and 4,100 miles of wastewater collection and transmission pipelines. The water system infrastructure averages 45 years with the oldest pipes in the system dating back to the mid 1920's. Similarly, the wastewater infrastructure averages 55 years with the oldest pipes in the system dating back to the 1930's. WASD is seeking engineering services for utility design, including planning, permitting assistance and design services during construction for system upgrades to water and sewer pipelines.

The scope of services consists of complete design services, which will include but not be limited to, performing preliminary route analysis, site investigations, surveying, geotechnical services, maintenance of traffic plans, hydraulic analysis, coordination with other utilities, coordination with other municipalities and the public, preparation of design reports, preparation of drawings, specifications and contract documents, preparation of design-build criteria packages, permitting and post design assistance during the procurement and construction phases. Engineering support during construction is anticipated to include, but not be limited to, periodic site inspections, and attendance at meetings. Support will also require the review of: shop drawings, requests for information, potential claims and change orders, contract schedules, schedule of values and as-built drawings, among others as needed. Project coordination services are anticipated to include, but are not limited to, establishing a plan to implement projects, establish and track project schedules, budgets and deadlines, prepare status reports and attend meetings as requested.

Some of the anticipated future pipeline design needs include, but are not limited to, the following:

**Water:**

- Small diameter water main replacement: There is approximately 1,000 miles of small diameter (4-inch and less) water distribution mains in the County which should be replaced. As a point of reference, the proposed Shenandoah Neighborhood Design-Build Project, which is currently being managed in-house, has approximately 15 miles of pipe replacement. The small diameter water main replacement program is scheduled to be more aggressive in the capital budget.

- Water Master Plan Projects which are generally larger than 24-inch diameter transmission mains.
- Projects which will be identified by the Comprehensive Infrastructure Assessment and Replacement Program (IAARP) for water transmission and distribution mains.

Sewer:

- Wastewater Master Plan Projects which are generally larger than 24-inch diameter transmission mains.
- Projects identified to relieve sewer capacity issues due to regional development or re-development, such as the Doral forcemain and Brickell Basin forcemain projects.
- Projects which will be identified by the Comprehensive IAARP for wastewater collection and transmission mains.

WASD intends to retain two (2) qualified firms under two (2) separate Non-Exclusive Professional Services Agreements. The two (2) highest ranked firms will be selected and forwarded to the County Mayor for approval to negotiate and award. The term of each contract is for a five (5) year period. Maximum compensation for each contract is five million dollars (\$5,000,000.00) 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 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.

## **Minimum Experience and Qualifications**

The Prime Consultant should demonstrate their successful experience with the planning, design, specifications and contract development, permitting and post design services during procurement and construction of various types of pipe materials including polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron and various types of pipe installation and rehabilitation methods. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines (36-inch and greater

). The Prime Consultant team should demonstrate their successful design experience with both micro-tunneling and horizontal directional drilling, with the Prime providing the experience in at least one (1) of the aforementioned trenchless technologies. The successful experience on the above items should be demonstrated 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.

The Prime Consultant shall provide descriptions of at least one (1) successfully designed, constructed and operating major new or upgraded water transmission pipeline and wastewater collection and wastewater transmission pipeline 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 Respondent has served as the design consultant, the Respondent 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.

The Subconsultants shall provide a description of at least one (1) 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 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 with contact information.