



January 22, 2013

To: 1st and 2nd Tier CBE Engineering Firms

Re: Design-Build Services for the Replacement of the Existing 54-inch Sanitary Sewage Force Main Pipeline from the Central District Wastewater Treatment Plant To Fisher Island, Under Norris Cut Channel

Project No.: DB12-WASD-01

The above-referenced project is being considered for competition amongst Community Business Enterprise (CBE) firms, for a sub-consultant. If you are interested in participating as a 1st or 2nd **Sub-consultant** to perform work in connection 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 5:00pm, Thursday January 24, 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 2
Business and Professional Development Division

Attachments

DESCRIPTION OF PROJECT

Project Title: Design-Build Services for the Replacement of the Existing 54-inch Sanitary Sewage Force Main Pipeline from the Central District Wastewater Treatment Plant To Fisher Island, Under Norris Cut Channel

Project Number: DB12-WASD-01

Department: WASD

Estimated Cost: \$6,180,904.00

Technical Categories - *See attached.*

ENGINEERING SERVICES

The scope of engineering services will include, but is not limited to, engineering, design, permitting, and inspection to support the construction, installation, testing and commissioning activities associated with replacing the existing damaged 54-inch sanitary sewer force main pile with a 60-inch inside diameter pipeline. Engineering and design services will be required to address the following project elements:

- Approximately 5,200 linear feet of tunnel boring with precast segmental liners capable of accommodating a 60-inch internal diameter carrier pipeline, to be constructed with inert/non-corrosive material and encased in grout to achieve a minimum service life of 100 years.
- Approximately 2,100 linear feet of open-cut construction to install a 60-inch internal diameter pipeline within the Central District Wastewater Treatment Plan compound, connecting to the Central District Wastewater Treatment Plan grit chamber facility.
- Approximately 1,000 linear feet of horizontal directional drilling to install an 8-inch non-rigid pipeline under the Golf Course that will relay the sewage flow from the Fisher Island Pump Station (PS 170) to the Fisher Island retrieval shaft facilitating a connection to the 60-inch replacement force main.
- Approximately 400 linear feet of open-cut construction to install an 8-inch pipe from the existing Fisher Island Pump Station (PS 170) and interconnecting to 8-inch horizontal directional drilling installation.
- Approximately 5,600 linear feet of the existing 54-inch sanitary sewage force main to be cut, purged of sewage, plugged at the terminal locations, and abandoned in a manner that will permit rehabilitation in the future.

*Minimum Requirements

Sub-consultants providing services in the technical categories listed below who are not Lead Designers must demonstrate to have designed a least one (1) project within the last ten (10) years that involved the technical category of work for which they are requesting to provide their services.

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

**9.01 Soils, Foundations and Materials Testing – Drilling
subsurface Investigations and Seismographic Services**

Provide (and have) specialty knowledge in the performance of geotechnical explorations in the uplands and/or waterways and the development and implementation of instrumentation and monitoring programs to measure settlement of surfaces, structures, utilities and water levels.

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

**9.02 Soils, Foundations and Materials Testing – Geotechnical
and Materials Engineering Services**

Provide material testing and quality assurance services for product acceptance. Testing for reliability/durability, water-tightness, densities, and pressure/hydrostatic of tunnel and piping systems.

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

**10.05 Environmental Engineering – Contamination Assessment and
Monitoring**

Provide services such as environmental permitting, contamination screening, soil and ground water sampling, site characterization, and developing and implementing environmental remedial action plans, if required.

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**



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5.01 Port and Waterway Systems – Engineering Design

Specialty knowledge in general port operations, navigational requirements, and general engineering criteria relevant to construction under water ways, and involving ancillary supports such as docking facilities.

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

9.03 Soils, Foundations and Materials Testing – Concrete and Asphalt Testing Services

Providing quality assurance and testing services for concrete and pavement installations. Testing to include compressive strength, slump, air, density, and proctor tests for product acceptance

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

15.01 Surveying and Mapping - Land Surveying

Surveying and mapping services related to establishing alignment and grades for deep tunnels, temporary/permanent/subterranean easements, marine surveying, and construction progress and as-built surveys.

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

15.03 Survey and Mapping - Underground Utility Location

Understanding of mapping and survey requirements based on MDWASD standards and knowledge of the utility verification process.

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