

**This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.**

**MIAMI-DADE COUNTY  
NOTICE TO PROFESSIONAL CONSULTANTS  
MIAMI-DADE WATER AND SEWER DEPARTMENT  
DESIGN-BUILD SERVICES FOR REPLACEMENT OF WATER MAINS AND  
SERVICE CONVERSIONS IN THE SOUTH MIAMI HEIGHTS AREA PHASE A  
PROJECT NO. DB14-WASD-06**

The County Mayor, Miami-Dade County, pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1, 2-8.2.2.12 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, Administrative Order 3-39, and Ordinance 14-77 announces that the Miami-Dade Water and Sewer Department (WASD) will require one (1) qualified Design-Builder to provide design and construction services.

The scope of services shall include, but is not limited to, surveying, geotechnical investigations, engineering, design, technical specifications, permitting, construction, testing and commissioning services, for the installation of a new 8-inch, 12-inch, 16-inch water mains, new water services, and fire hydrants and restoration within private property for the installation of all required piping, fittings and accessories for the water service conversion.

The project consists of the replacement of the existing undersized and deteriorated water mains and existing main loop closures in order to improve system pressure and provide fire flow protection, and for water service conversions (transfer of services from the rear to the front of properties and replacement of certain existing old services in front of properties to meet the new standards) in the South Miami Heights area Phase A of unincorporated Miami-Dade County, Florida. The project location for Phase A is the area bounded by S.W. 168 Street. to the north, S.W. 184 Street. to the south, S.W. 122 Avenue to the west, and S.W. 115 Avenue to the east. The Project includes the following main elements:

1. Approximately 63,336 linear feet of 8-inch ductile iron water main pipe and fittings, 8,421 linear feet of 12-inch ductile iron water main pipe and fittings, 4,327 linear feet of 16-inch ductile iron water main pipe and fittings, and 5,550 linear feet of 6-inch ductile iron water main pipe and fittings to include, but is not limited to the following: all required resilient seated gate valves, all required fire hydrant assemblies with guard posts, approximately 664 dual water services and approximately 40 single water services with approximately 1,368 water service conversions from the rear of the property to the front of the property to include all required piping, fittings and accessories, and testing and restoration within private property including providing safety and protection of homeowner's property, tapping connections of various sizes to existing mains including tapping sleeves and valves, in-line water main connections to existing mains of various sizes, air release valve and flushing valve outlet assemblies, polyethylene encasement for ductile iron pipe and fittings, if ordered by the engineer, sheeting and shoring ordered left in place by the engineer, additional suitable backfill, if needed, furnish all materials, equipment and supplies necessary for cleaning, testing and

**This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.**

disinfecting the mains, removal of existing asphalt pavement and sod, milling and resurfacing of existing asphalt pavement, removal, transport, salvage and legal disposal of demolition material, placing existing water mains out of service upon completion of work, traffic control, installation and restoration of pedestrian curb ramps and installation of detectable warning surfaces, temporary and permanent replacement of any utilities, pavement, sidewalk, curb and gutter, valley gutter, traffic circle roundabout, tree, landscaping, sod, pavement markings, and/or driveway damaged by construction and all other appurtenant and miscellaneous items and work for a complete and fully functional installation.

The Design-Builder shall design and construct all ancillary piping, tapping, temporary bypass, and tie-in connections to facilitate successful construction and commissioning of the new 8-inch, 12-inch, and 16-inch water mains without any interruption of service to the existing WASD customers. The design and construction services rendered by the Design-Builder shall result in a complete, functional, and operable piping project with standard design life. The Design-Builder must complete the work by the following duration which excludes the warranty period administration.

Substantial Completion on or before eight hundred and forty-five (845) calendar days after the date of Notice to Proceed which requires placing into service all new water mains and water services in the public right-of-way and shall include all work associated with surveying, geotechnical investigations, engineering, design, technical specifications, permitting, construction, testing and commissioning services for the complete and fully operational installation of the new 8-inch, 12-inch, and 16-inch water mains and water services.

Final Completion for water service conversions/Final Completion and Project Closeout on or before eight hundred and ninety (890) calendar days after the date of Notice to Proceed which requires:

1. Water Service Conversions (transfer of services from the rear to the front of properties) shall include all work associated with customer contact, negotiation and agreement execution, engineering, design, permitting, construction, testing, commissioning services and restoration within private property for the installation of all required piping, fittings and accessories for the water service conversions.
2. Final Completion and Project Closeout shall include obtaining acceptance by all applicable regulatory agencies, including WASD of all Work and Services under the Contract, including all remaining site restorations, record documents, and all other remaining incomplete or unacceptable work items identified at or subsequent to Substantial Completion.

If the Design-Builder does not achieve Substantial Completion by the established Substantial Completion Contract Date, Liquidated Damages (LDs) will be assessed in the amount of two thousand five hundred dollars (\$2,500) per calendar day, which will be paid to the County by the Design-Builder. If the Design-Builder does not achieve

**This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.**

Final Completion by the established Final Completion Contract Date, LDs will be assessed in the amount of one thousand dollars (\$1,000) per calendar day, which will be paid to the County by the Design-Builder. LDs will be cumulative if both the Substantial Completion Contract Date and the Final Completion Contract Date are exceeded. All assessments of LDs to the Design-Builder may be adjustments to payments due to the Design-Builder.

The duration of the proposed Design-Build contract is 890 calendar days. The total maximum compensation for the design-build contract is \$25,402,424.

Firms providing engineering services must be certified in the following technical categories:

Type	Code	Description
Lead A/E	6.01	<b>WATER AND SANITARY SEWER SYSTEMS – WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS</b>
Lead A/E	16.00	<b>GENERAL CIVIL ENGINEERING</b>
Other	3.04	HIGHWAY SYSTEMS - TRAFFIC ENGINEERING STUDIES
Other	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
Other	10.05	ENVIRONMENTAL ENGINEERING - CONTAMINATION ASSESSMENT AND MONITORING
Other	12.00	GENERAL MECHANICAL ENGINEERING
Other	15.01	SURVEYING AND MAPPING- LAND SURVEYING
Other	15.03	SURVEYING AND MAPPING - UNDERGROUND UTILITY LOCATION
Other	17.00	ENGINEERING CONSTRUCTION MANAGEMENT

WASD is recommending a 20.0% SBE-A/E, SBE-Construction 16%, SBE G&S 0.25% (Maintenance of Traffic) participation goal.

**Minimum Experience and Qualifications:**

Proposed Design-Builder shall demonstrate its project team experience by presenting the qualifications and capabilities of each Design-Build team member firm, for projects completed, including projects that may be at least fifty percent (50%) complete prior to the required submittal date of this Request Design-Build Services (RDBS) Step 1 solicitation, that demonstrate related minimum project experience as indicated below:

**This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.**

1. Lead Constructors:
  - a. The Lead Construction firm performing the water main installation work must have constructed at least one (1) water main project(s) of similar size and complexity in an urban environment with a minimum 8-inch nominal diameter.
  - b. Experience of Lead Constructors and Pipe Installation Crews must submit history of past performance completing projects on schedule and to the satisfaction of the facility owner.
  
2. Lead Designers:
  - a. The Lead Designer firm performing the design of the water main installation must have designed at least one (1) water main installation projects in an urban environment with a minimum 8-inch nominal diameter.
  - b. The Lead Designer providing services under A/E technical certification categories 6.01, and 16.00 must demonstrate to have designed at least one (1) projects that were completed prior to the date of this solicitation that involved water and sewer main installation.
  
3. Industry experience for each of the following Key Personnel shall be clearly identified:
  - a. Design-Build Project Manager
  - b. Lead Designer- Design Manager
  - c. Lead Constructor - Construction Manager
  - d. Lead Civil Engineer
  - e. Pipe Installation Superintendent
  
4. Key Personnel must demonstrate experience with the type of work to be performed:
  - a. Proposers shall identify, in their Statement of Qualifications those State of Florida registered Professional Engineers who will sign and seal construction plans and specifications.
  - b. Key Personnel resumes shall indicate the individual's current firm association, their professional qualifications, a client reference with contact information, and their role and duration on each project for which they are being credited the related experience.
  
5. Additional Preferred Experience and Past Performance:
  - a. Experience in significant role on a Design-Build project, especially in a similar role as proposed for this Project.
  - b. Superior references with regard to meeting cost, schedule, and quality objectives on previous projects, and maintaining a positive client relationship.

The expertise must be met by a qualified individual(s) of the Prime firm and its Subconsultants. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level or above. The determination of the individual's qualifications and compliance with the experience and qualifications shall be at the sole discretion of the County. The

**This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.**

Competitive Selection Committee (CSC) may negatively evaluate proposals from firms they determine have failed to meet the above experience and qualification(s).

Design-Builder Safety Record - Past Performance, Minimum past performance as reflected by a three (3) year average for the last three (3) previous full years (from the date of the solicitation) of the Experience Modification Rate (EMR) for the Design-Builder shall not exceed 1.10 for each firm.

Design-Builders shall provide EMR data for the previous three (3) full calendar years (2012, 2013, and 2014) on a firm-wide basis shall be documented by a signed letter with contact information from the firm's insurance carrier, or the insurance carrier's agency representative. Higher qualification scores shall be provided by the CSC for a Design-Builder demonstrating an average EMR lower than other competing Design-Builder firms. Design-Builder shall also provide their OSHA forms 300 and 300A for the last three (3) full calendar years (2012, 2013, and 2014) indicating OSHA submitted accident data for evaluation by the CSC as to their frequency and severity.

DRAFT