

ISSUING DEPARTMENT INPUT DOCUMENT

CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. RTQ-01055

Contract

Re-Bid
 Other – Access of Other Entity Contract
 LIVING WAGE APPLIES: YES NO

Requisition No./Project No.: EVN0000424
 TERM OF CONTRACT 5 YEAR(S) WITH 0 YEAR(S) OTR

Requisition /Project Title: Well Drilling Services and Geophysical Surveys

Description: This Request to Qualify (RTQ) will establish a Prequalified Pool of Suppliers/Vendors (Pool) that will be used to solicit Well Drilling Services and Geophysical Surveys for Miami-Dade County (County).

Issuing Department: SPD
 Contact Person: Sherry Y. Crockett
 Phone: 305.375.4693

Estimate Cost: \$13,991,250

Funding Source: Proprietary Funds, Internal Service Funds, Proprietary Revenue, DTPW Operating – NO CITT

ANALYSIS

Category:	<u>96261</u>	<u>96296</u>	<u>96893</u>	<u>54596</u>	
Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history.					
	<u>EXISTING</u>	<u>2ND YEAR</u>	<u>3RD YEAR</u>		
Contractor:	<u>Multiple Vendors</u>				
Small Business Enterprise:					
Contract Value:	<u>\$2,743,000</u>				
Comments: <u></u>					
Continued on another page (s): <input type="checkbox"/> YES <input type="checkbox"/> NO					

RECOMMENDATIONS

	Set-Aside	Subcontractor Goal	Bid Preference	Selection Factor
SBE				
Basis of Recommendation:				
<u></u>				
Signed: <u>Sherry Y. Crockett</u>		Date sent to SBD: <u>July 27, 2023</u>		
		Date returned to SPD: <u></u>		

SECTION 2

ADDITIONAL/SPECIAL TERMS AND CONDITIONS

2.1 PURPOSE

This Request to Qualify (RTQ) will establish a Prequalified Pool of Suppliers/Vendors (Pool) that will be used to solicit Well Drilling Services and Geophysical Surveys for Miami-Dade County (County). Placement in the Pool is **not** a contract between the County and the Supplier/Vendor, but an acknowledgement that the Supplier/Vendor meets the qualifications as outlined throughout this RTQ. Supplier Vendor Submittals are accepted throughout the term of the RTQ for placement in such Pool.

2.2 DEFINITIONS

Invitation to Quote (ITQ) – Shall refer to the solicitation of quotes from the Pool for specific goods and/or services; and awarded based on lowest price, or other quantifiable criteria.

Prequalified Pool of Suppliers/Vendors (Pool) – Shall refer to business entities/individuals determined by the County's Strategic Procurement Department, as meeting the minimum standards of business competence, financial ability, and/or product quality for placement in the Pool, and which may submit quote or proposal, at the time of need.

Submittal – Shall refer to all information, attachments and forms submitted in response to this RTQ.

Supplier/Vendor – Shall refer to a business entity/individual responding to this RTQ.

Work Order Proposal Request (WOPR) – shall refer to a competitive process involving the solicitation of proposals, by the Strategic Procurement Department, from the Pool for specific goods and/or services; and evaluated and awarded based on best value.

2.3 TERM

The Pool shall be established on the first calendar day of the month succeeding approval by the Board of County Commissioners, or designee, unless otherwise stipulated in the Purchase Order issued by the County. The Pool shall expire on the last day of the last month of the five-year term.

2.4 QUALIFICATION CRITERIA

Suppliers/Vendors shall meet the following criteria to be considered for placement in the Pool and for participation in future solicitations for the following groups:

Group 1: Well Drilling Services

Group 2: Geophysical Surveys

Qualification for All Groups

- A. Suppliers/Vendors shall provide the contact information of a designated representative to provide the County with support and information concerning orders placed and to receive future spot market competitions. Suppliers/Vendors shall provide the representative's name, phone number, and email address.
- B. Supplier/Vendor shall provide three signed professional references on the referenced company's letterhead, to demonstrate that Supplier/Vendor is regularly engaged in the business of providing well drilling services. In lieu of the references from the Supplier/Vendor or Supplier's/Vendor's Subcontractor,

the County will consider the references from Supplier's Vendor's key personnel in accordance with Resolution No. 1122-21. The County must be able to ascertain from Supplier/Vendor provided references, to its satisfaction, at the County's sole discretion, that Supplier/Vendor holds sufficient experience and capacity in providing well drilling services. ***A department of Miami-Dade County is an acceptable reference; however, the other two references shall be from customers other than Miami-Dade County. At least one reference shall be a commercial or government account.*** The references should include the customer's company name and address, the name, title, email address and telephone number of the contact person who can verify that the Supplier/Vendor has successfully provided the products and/or services that the Supplier/Vendor is offering under this solicitation. These references shall ascertain to the County's satisfaction that the Supplier/Vendor/key personnel/Subcontractor has sufficient expertise in the industry and its firm is properly equipped to perform the required goods/services.

Additional Qualifications for Group 1

- C. Suppliers/Vendors shall provide the name of a State of Florida licensed Geologist, who will affix their seal onto their interpretations of lithologic, lithostratigraphic, or paleontologic descriptions and any plans prepared. A copy of the license shall be included in the supplier/vendor submittal. The licensed Geologist may be subcontracted with the suppliers/vendors and listed on the Subcontractor/Supplier Listing Form in Section 4 of this solicitation.
- D. In accordance with Florida Statutes Section 373.323 suppliers/vendors must hold and maintain a valid Water Well contractors' license to perform the work listed throughout this solicitation. A copy of the license shall be included with the suppliers/vendors submittal. The Water Well license shall be in the name of the supplier/vendor to be prequalified.

Suppliers/Vendors shall provide all of the specified information, documents and attachments listed above with their Submittal as proof of compliance with the requirements of this RTQ. However, the County may, at its sole discretion and in its best interest, allow Suppliers/Vendors to complete, supplement or supply the required documents throughout the term of the RTQ. It shall be the sole right of the County to determine the number of Suppliers/Vendors which will be included in the Pool. During the term of the RTQ, the County reserves the right to add or delete Suppliers/Vendors as it deems necessary, and in its best interest.

Commented [MM(1): According to their group (1 or 2)]

2.5 INSURANCE

Insurance is **not** required in order to be prequalified under this RTQ. Insurance requirements will be detailed in the subsequent ITQ or WOPR.

2.6 SPOT MARKET COMPETITION

Suppliers/Vendors in the Pool will be invited to participate in future spot market competition, as needed. The spot market competition will be in the form of an ITQ or WOPR that will include the specific goods and/or services required, and may include provisions, as applicable, such as:

- Small Business Enterprise (SBE) Measures
- Warranty Requirements
- Liquidated Damages/Living Wage

For federally funded projects/programs, additional provisions may apply in accordance with the funding source. The following provisions from Section 1, General Terms and Conditions shall be exempted from such solicitations, as indicated in the ITQ or WOPR.

- Article 1.2(H) Prompt Payment Terms

- Article 1.11 Local Preference
- Article 1.29 Office of the Inspector General (*only the cost of the random audits, as specified*)
- Article 1.37 County User Access Program (UAP)
- Article 1.45 Small Business Enterprise (SBE) Measures
- Article 1.46 Local Certified Veteran's Business Enterprise Preference
- Article 1.47 Application of Preferences
- Article 1.49 First Source Hiring Referral Program (FSHRP)

SECTION 3

SCOPE OF WORK/TECHNICAL SPECIFICATIONS

3.1 SCOPE OF WORK/TECHNICAL SPECIFICATIONS

It is the intent of this solicitation to identify and make available to the County suppliers/vendors capable of providing Well Drilling services and Geophysical Surveys. These services include but are not limited to, the installation of permanent Dual Zone Florida aquifer monitoring wells, shallow monitoring wells, mechanical integrity testing of deep injection wells, refurbishment of wells, development of wells, well abandonment, advancement of soil borings, and investigation of potential dissolution features. ITQ's / WOPR's may also be issued for other ancillary services such as exploratory borings and rock sample collection services, including the collection of cuttings, core boring, and split spooning.

3.2 GOODS/SERVICES TO BE PROVIDED

A. **Abandonment of a well:** a well that has been permanently discontinued for use or which is in such a state of disrepair that it cannot be used for its intended purpose or for observation purposes. This is accomplished by pouring neat cement grout into the casing of the well so the well does not serve as a preferential conduit for contamination of the groundwater. As per the DEP SOPs PCS-006, "When abandoning monitoring wells, the well pad and manhole must be removed but the casing must be left in place unless there is evidence that the monitoring well was improperly constructed. The casing should be filled with grout, the manhole should be removed, and the area that was formerly occupied by the well pad should be repaired so that the concrete or asphalt is flush with the surface. A well abandonment form should be submitted to the permitting agency by the water well contractor. "Neat Cement Grout" means a mixture of water and Portland cement (American Concrete Institute Type I, or Type III, or approved equivalent); or a mixture of water and Portland cement of a type or kind approved by the permitting authority; or a mixture of water, Portland cement of a type or kind approved by the permitting authority, and an amount of those additives approved for use in cement grouts and approved by the permitting authority. The abandonment of a well may be for a Floridan aquifer wells or shallow Biscayne Aquifer wells.

B. **Refurbishment of a well:** repairs or any action which involves the physical alteration or replacement of any part of a well, which may include wellhead components and valves. This is necessary to fix any problem within the well and may include fixing the casing, grout, scrubbing the well, etc. to improve its performance.

C. **Developing a well** means to pump water out of the well until the water is clear of any visible suspended particulate matter present and field parameter stability is obtained, as determined by the Engineer in the well due to the drilling activity. Properly development is needed to produce a more representative groundwater sample.

D. **Rock sampling** refers to the collection of core samples during drilling, for lithology determination and/or for laboratory analyses of the rock.

3.3 WELL DRILLING SERVICES (GROUP 1)

Suppliers/Vendors may be required to provide the following services. The subsequent ITQ's / WOPR's will define in detail the Country's needs.

A. Lay an impermeable barrier (such as visqueen) over the borehole as well as beneath the understructure of the rig where contaminating fluids may drip or spill onto the adjacent ground.

Commented [MM(2)]: Or approved equivalent because Type II is discontinued

- B. Utilize measures to prevent water or foreign materials from draining back into the borehole around the drilling string.
- C. The Contractor must provide casing that meets the following Commercial Standards:
1. ANSI/ASTM A139 Specification For Electric-Fusion (Arc)-Welded Steel Pipe (Sizes 4-Inch Diameter And Over).
 2. ANSI/AWS D1.1 Structural Welding Code – Steel.
 3. ASTM A 53 Specification For Pipe, Steel, Black And Hot-Dipped, Zinc-Coated Welded And Seamless.
 4. API 5L Specification For Line Pipe.
 5. ASTM D1784 Specification for Rigid PVC Compounds and Chlorinated PVC Compounds.
 6. ASTM D2837 Standard Test Method For Obtaining Hydrostatic Design Basis For Thermoplastic Pipe Materials.
 7. ASTM D2996 Standard Specification For Filament-Wound "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe.
 8. ASTM D2310 Standard Classification For Machine-Made "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe.
 9. ASTM F480 Specification for Thermoplastic Well Casing Pipe and Couplings Made In Standard Dimension Ratios (SDR), SCH 40, and SCH 80.
 10. AWWA A100 Standard for Water Wells.
 11. AWWA C206 Field Welding of Steel Water Pipe.
 12. API SPEC. 10D Specification for Bow-Spring Casing Centralizers.
- D. Complete the well to grade or as otherwise specified by the County's Project Manager.
- E. Install wells in road right-of-ways flush with the ground/road surface and provide no hazard to pedestrians or vehicles. Vendor(s) may be asked to finish the well above grade.
- F. Supply two sets of keys per locking well cap
- G. Rehabilitate, clean well of debris, bacterial slime and emulsify and remove oils
- H. Well Development - Well development is an essential part of well construction and failure to properly develop the well will result in the work being rejected.
- Pumping should be at rate of 40 gpm or higher for a minimum period of one hour or more when needed. Development of the well shall not occur sooner than 48 hours after the last grout has been applied. A well will not be accepted as developed until the turbidity is equal to or less than 5 NTU and field parameter stability obtained.

- Air lifting to develop a well shall be performed with air compressors of suitable size and for the length of time required to develop the well regardless of the formation conditions. No glues or lead are to be used in monitoring well construction. The driller may be required to swab wells or acidize the formation at the discretion of the County, to remove turbidity from the well filter pack and casing.

I. Logging and Videotaping of Wells – Logging and videotaping are utilized to aid in the inspection and diagnoses of wells.

- To log the well is to send different geophysical tools down the borehole for different purposes, such as: seeing the conditions of the borehole, taking pictures of the walls of the well with a digital camera (optical borehole imager (OBI) or acoustic borehole imager (ABI)), to obtain induction logs, water quality logs to determine conductivity, resistivity, pH, temperature, flow meter to determine groundwater flow, and other measurements as may be described in a specific project.
- To video the well is to send a special video camera down the well to see the condition of the casing to verify the integrity of the well. The video must be clear and able to show the well casing.

3.4 UTILITY CLEARANCE/DRAWINGS/SITE PLANS/MONITOR (GROUP 1)

The utility location services clearance (811 eticket) is the well drillers responsibility. The cleared 811 eticket must be presented to the County Project Manager prior to commencement of work at any site.

Site drawings are required to obtain permits and are the responsibility of the contractor. Site drawings must indicate the Right-of-Way, location of each well, and include the utility location service's clearance (i.e. "811 ticket") number on the drawing. In addition, each set shall show the specifications of the well construction. If multiple wells are to be installed over an area, an overall site map is also required. At the completion of the work, as-built drawings showing any deviation from the construction drawings, plans, and specifications shall also be prepared by the vendor.

3.5 EQUIPMENT (GROUP 1)

The following is a listing of the equipment that each supplier/vendor must either own or have the ability to readily obtain in order to be able to respond to ITQ's / WOPR:

- Well drilling equipment (rig) capable of drilling, coring and split spoon sampling by means of auger, reverse air rotary, rotosonic and/or pneumatic methods.
- Equipment for installation of PVC, FRP, steel and stainless-steel wells from 2" to 24" in diameter, open hole, or screened with filter packing.
- Equipment for grouting and circulating the wells by means of pumps, compressors, and other associated equipment for well development.
- Logging and Videotaping Equipment
- Depending on the nature of the project, additional types of equipment might be required and specified in a RFQ.

3.6 STANDARD PRACTICES (GROUP 1)

In addition to any other federal, state, and county requirements described in this solicitation, the vendor must perform all services under this solicitation in accordance with the Florida Department of Environmental Protection (DEP) Chapters 62-531 and 62-532 entitled "Water Well Contractor Licensing Requirements" and "Water Well Permitting and Construction Requirements" respectively, the DEP SOPs for the design,

installation and placement of monitoring wells, and guidelines outlined in ASTM D 5092-90, Standard Practice and Installation of Groundwater Monitoring Wells. UIC injection and monitoring wells permitting and construction requirements as outlined in Chapter 62-528 Underground Injection Control Rules. The vendor can find the above requirements by searching for Chapter 62-531, Chapter 62-532, Chapter 62-528. These standards include casing material, screen slot size, and the methods of installation. The solicitation includes several methods of installation and well materials for monitoring and exploratory wells. Acceptable well drilling methods for monitoring wells include: 1) Auger drilling; 2) Reverse-air rotary drilling; 3.) Rotary drilling, and 4) Sonic drilling, with reverse-air rotary as the preferred method in most cases.

3.7 MONITORING WELL SITE ACCESS AND SAFETY (GROUP 1)

It is the vendor's responsibility to replace/repair all public and private improvements (e.g. sidewalk, driveways, streets, utilities, infrastructure, etc.) that have been damaged or destroyed during well drilling services to their original condition. Work that extends beyond one day shall require that the bore hole be covered to prevent damage to the bore hole and/or accidents to persons or animals. For well site in wetlands, it shall be the vendor's responsibility to access the site with the least amount of damage to wetlands. All site plans for proposed monitoring wells within wetlands shall be reviewed by the RER DERM Wetlands and Forest Resources Section so that a determination can be made if a permit is required. Typically, a Class IV Wetland Permits are required for alterations to freshwater wetlands. Airboats or helicopters may be necessary to locate drilling equipment in such areas to minimize disturbance.

3.8 DECONTAMINATION (GROUP 1)

Formation drilling equipment must be decontaminated before a drilling event. If equipment is not adequately cleaned between successive drilling events, or between boreholes, contaminants may be introduced into the successive well(s) via the drilling equipment. Decontamination of equipment should include a steam wash with potable water. If visible residue remains, scrubbing with a non-phosphate detergent may be required to remove the residue.

3.9 GEOPHYSICAL SURVEY (GROUP 2)

Suppliers/Vendors may be required to provide the following services. The subsequent ITQ's / WOPR's will define in detail the Country's needs.

- A. Investigate the potential presence of dissolution features in the vicinity of pumping wells, sludge lagoons and in wellfield compounds and the integrity of wells using non-invasive geophysical methods. These methods include, but are not limited to, the following: Low and high resolution ground penetrating radar (GPR); Ohm Mapper; Seismic Refraction; Terrain Conductivity; and Shallow seismic measurements.
- B. Collection of data, processing and interpreting of the data, and report preparation.

**SECTION 4
SUBMITTAL FORM**

VENDOR: _____

QUALIFICATION CRITERIA		
Refer to the Qualification Criteria Section to ensure that Submittal and attachments comply with solicitation requirements.		
Reference	Vendor Requirements	Copy Attached
2.4 (A) All Vendors	<p>Suppliers/Vendors shall provide the contact information of a designated representative to provide the County with support and information concerning orders placed and to receive future spot market competitions. Suppliers/Vendors shall provide the representative's name, phone number, and email address.</p> <p>Representative Name: _____</p> <p>Phone Number: _____</p> <p>E-Mail Address: _____</p>	
2.4 (B) Group 1 & 2	<p>Supplier/Vendor shall provide three signed professional references on the referenced company's letterhead, to demonstrate that Supplier/Vendor is regularly engaged in the business of providing well drilling services. In lieu of the references from the Supplier/Vendor or Supplier's/Vendor's Subcontractor, the County will consider the references from Supplier's Vendor's key personnel in accordance with Resolution No. 1122-21. The County must be able to ascertain from Supplier/Vendor provided references, to its satisfaction, at the County's sole discretion, that Supplier/Vendor holds sufficient experience and capacity in providing well drilling services. A department of Miami-Dade County is an acceptable reference; however, the other two references shall be from customers other than Miami-Dade County. At least one reference shall be a commercial or government account. The references should include the customer's company name and address, the name, title, email address and telephone number of the contact person who can verify that the Supplier/Vendor has successfully provided the products and/or services that the Supplier/Vendor is offering under this solicitation. These references shall ascertain to the County's satisfaction that the Supplier/Vendor/key personnel/Subcontractor has sufficient expertise in the industry and its firm is properly equipped to perform the required goods/services.</p> <p>Reference No. 1:</p> <p>Reference Company Name: _____</p> <p>Is reference for the Vendor a Subcontractor or key personnel?: _____</p> <p>If Subcontractor, then identify the name of the Subcontractor: _____</p> <p>If key personnel, then identify the name of the key personnel: _____</p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference No. 1."</p> <p>Reference Company Address: _____</p> <p>Reference Contact Name: _____ Title: _____</p> <p>Telephone Number: _____ Email: _____</p>	<input type="checkbox"/>

	<p>Reference No. 2:</p> <p>Reference Company Name: _____</p> <p>Is reference for the Vendor a Subcontractor or key personnel?: _____</p> <p>If Subcontractor, then identify the name of the Subcontractor: _____</p> <p>If key personnel, then identify the name of the key personnel: _____</p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference No. 2."</p> <p>Reference Company Address: _____</p> <p>Reference Contact Name: _____ Title: _____</p> <p>Telephone Number: _____ Email: _____</p> <hr/> <p>Reference No. 3:</p> <p>Reference Company Name: _____</p> <p>Is reference for the Vendor a Subcontractor or key personnel: _____</p> <p>If Subcontractor, then identify the name of the Subcontractor: _____</p> <p>If key personnel, then identify the name of the key personnel: _____</p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference No. 3."</p> <p>Reference Company Address: _____</p> <p>Reference Contact Name: _____ Title: _____</p> <p>Telephone Number: _____ Email: _____</p>	
2.4 (C) Group 1 Only	Suppliers/Vendors shall provide the name of a State of Florida licensed Geologist, who will affix their seal onto their interpretations of lithologic, lithostratigraphic, or paleontologic descriptions and any plans prepared. A copy of the license shall be included in the supplier/vendor submittal. The licensed Geologist may be subcontracted with the suppliers/vendors and listed on the Subcontractor/Supplier Listing Form in Section 4 of this solicitation.	<input type="checkbox"/>
2.4 (D) Group 1 Only	In accordance with Florida Statutes Section 373.323 suppliers/vendors must hold and maintain a valid Water Well contractors' license to perform the work listed throughout this solicitation. A copy of the license shall be included with the suppliers/vendors submittal. The Water Well license shall be in the name of the supplier/vendor to be prequalified.	<input type="checkbox"/>