

**DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

New Contract
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. N/A
 Re-Bid
 Other
 LIVING WAGE APPLIES: YES
 NO

Requisition No./Project No.: RQID1400148
 TERM OF CONTRACT 8 YEAR(S) WITH 0 YEAR(S) OTR

Requisition /Project Title: PROTECTIVE COATING SERVICES - PREQUALIFICATION

Description: The Miami-Dade Water and Sewer Department (WASD) has planned a systematic multi-year capital improvement plan to provide the necessary upgrades to the County's infrastructure for the continuous delivery of high quality water and wastewater services. Work will provide for the provision of structural repairs and the application of protective coatings in a variety of settings. Typical work settings include collection systems, clarifiers, contact basins, digesters, headworks, tanks, containment units, and other water and wastewater processing systems utilizing protective coatings.

Issuing Department: WASD
 Contact Person: Lenny Sandoval
 Phone: 305-375-3065
 Estimate Cost: \$48,000,000
 GENERAL FEDERAL OTHER
 Funding Source: X

ANALYSIS

Commodity Codes: 968-94 [REDACTED] [REDACTED] [REDACTED]

Contract/Project History of previous purchases three (3) years
 Check here if this is a new contract/purchase with no previous history.

EXISTING
 2ND YEAR
 3RD YEAR

Contractor: N/A

Small Business Enterprise: N/A

Contract Value: \$48,000,000

Comments: [REDACTED]

Continued on another page (s): Yes No

RECOMMENDATIONS

	Set-aside	Sub-contractor goal	Bid preference	Selection factor
SBE	[REDACTED]			

Basis of recommendation: [REDACTED]

Signed: Lenny Sandoval Date sent to SBD: 8/27/2014

Date returned to DPM: [REDACTED]

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 DEPT. BUSINESS DEV.
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SECTION 2 - SPECIAL TERMS AND CONDITIONS

2.1 PURPOSE

This Request to Qualify (RTQ) will establish a pool of pre-qualified vendors capable of providing protective coating services project work including structural repairs, concrete protection, and rehabilitation of water and wastewater lines and tanks utilizing protective coatings and any related services as required by the County on either an as-needed basis or on a periodic basis. Entry into the pre-qualification pool is not a contract between MDC and any member of the pool, but rather is an acknowledgement that the pool member satisfies the pre-qualification criteria set forth below for membership in the pool. Pre-qualified vendors will be invited to participate in future spot market competitions. The pool shall remain open for the term of the RTQ, enabling vendors to qualify at any time after the initial RTQ opening date.

2.2 TERM

The pre-qualification pool will begin on the first calendar day of the month succeeding approval by the Board of County Commissioners, or designee, unless otherwise stipulated in the Notice of Award Letter which is distributed by the County's Internal Services Department, Procurement Management Services Division, and contingent upon the completion and submittal of all required documents. The pre-qualification pool shall expire on the last day of the last month of the ninety-six (96) month period.

2.3 QUALIFICATION CRITERIA

Bidders shall submit all of the qualifying documents with their submittal form. However, the County may, at its sole discretion and in its best interests, allow bidders to supplement submitted documents in order to satisfy the prequalification criteria. It shall be the sole prerogative of the County to determine the number of bidders who will be included under the pre-qualification pool. During the term of the RTQ, the County reserves the right to add and/or delete pre-qualified bidders.

2.3.1 MINIMUM QUALIFICATION REQUIREMENTS

- a) Bidder must hold a valid Florida General Contractor's License and must submit a copy of the license with its bid.
- b) Bidder or the bidder's subcontractor must be a National Association of Corrosion Engineers (NACE) Certified Coating Inspector-Level 3 issued by NACE International. The Bidder's NACE certified coating inspector shall be available upon request to provide the WASD Engineer information on surface preparation, rehabilitation methods, patching, coating application and testing. A copy of the NACE certification must be submitted with the bid submittal.

- c) Bidder or the bidder's subcontractor must be an approved applicator of at least one brand of protective coating listed in Section 3, paragraph 3.3.4 and be certified by the coating's manufacturer. The bidder shall submit documentation from the manufacturer stating that the bidder or the bidder's subcontractor is approved/certified to apply their product.
- d) Bidder must be regularly engaged in the business of providing protective coating applicators for water and wastewater lines, structures and plants, as described in this ITB. Bidder shall be capable and experienced in all the work described in Section 3 of this solicitation.

Bidders are required to submit with their bid a list of projects specifically involving work inside process tanks or pipelines (OSHA defined enclosed work spaces) at water and wastewater treatment plants that the bidder (as a company) has accomplished in the past five (5) years. The list shall include a minimum of two (2) projects involving water processing systems and two (2) projects involving wastewater processing systems.

Work accomplished by an individual employee or principal of a prospective bidder, or as an employee of any other company shall not qualify as experience by the prospective bidder.

The list shall include, as a minimum, the following information, on each of the projects listed:

- 1) Name of project, description of equipment (function, size, material of construction, etc.), and name and address of water or wastewater utility.
- 2) Customer contact person, title, phone number, and email address for verification of reference.
- 3) Description of work: to include method of surface preparation involved and square footage of surface repaired, lined, or coated.
- 4) Brand name and general description of the lining, and/or coating product used.
- 5) Method of application and an estimate of how much product was applied.

The County reserves the right to request additional information to the bidder's ability and qualification as it deems necessary to ensure competent and satisfactory service.

2.4 COMPLIANCE WITH GOVERNMENT STANDARDS

- 2.4.1 All services to be purchased under this contract shall be in accordance with all governmental standards, to include, but not limited to, those issued by the American National Standards Institute (ANSI), the American Society for Testing

Materials (ASTM), the Environmental Protection Agency (EPA), The Instrument Society of America (ISA), the International Standards Organization (ISO), Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), the National Sanitation Foundation (NSF), and the National Fire Protection Association (NFPA). Special attention is made to OSHA's 29CFR 1910 regulations relating to hazardous atmospheres in confined spaces. Contractor will be responsible for ventilation and Personal Protection Equipment (PPE) per OSHA requirements.

- 2.4.2 It shall be the responsibility of all awarded bidders to be regularly informed and to conform to any changes in standards issued by any regulatory agencies during the term of this contract.

2.5 LICENSES, PERMITS AND RECORD KEEPING

In addition to the standard licenses, permits and fees requirements listed in section 1.14 of the general terms and conditions, the awarded bidder of a Request for Quote (RFQ) shall provide the following:

- 2.5.1 Provide WASD one copy of all applications, permits, reports, records and correspondence, within 30 calendar days of submission or receipt.
- 2.5.2 Maintain a file of the above items and make this file available for inspection by the County and County authorized representatives.
- 2.5.3 Maintain this file for the duration of the contract, plus five (5) years.

2.6 COMPLETION OF WORK

- 2.6.1 All work shall be performed in accordance with good commercial practice. The work schedule and completion dates shall be adhered to by the successful bidder(s); except in such cases where the completion date will be delayed due to acts of nature, strikes, or other causes beyond the control of the bidder. In these cases, the successful bidder shall notify the County of the delays in advance of the original completion date so that a revised delivery schedule can be appropriately considered by the County.
- 2.6.2 Should an awarded bidder of a RFQ fail to complete the work within the number of days as stated in its offer, or the timeframe cited in the RFQ, the County may terminate the order, secure the services of another bidder to complete the work, and/or terminate the contract with the bidder.

2.7 INDEMNIFICATION AND INSURANCE

The standard insurance requirements listed in the general terms and conditions shall apply with the exception of the following changes to the sections specifically identified:

1.21 A, 2 Commercial General Liability Insurance on a comprehensive basis in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage. Miami-Dade County must be shown as an additional insured with respect to this coverage.

1.21 A, 3 Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.

2.8 AVAILABILITY OF SERVICE TO OTHER COUNTY DEPARTMENTS

Although this Solicitation is specific to a County Department, it is hereby agreed and understood that any County department or government agency may avail itself of the services from the successful vendors. Under these circumstances, separate quotations will be issued, which identifies the requirement of the additional County department or other government agency.

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SECTION 3 – TECHNICAL SPECIFICATIONS

3.1 SCOPE OF WORK

The specifications listed below describe the general scope of the work for structural repairs and the application of protective coatings to water and wastewater system facilities and infrastructure.

3.2 DESCRIPTION OF THE SERVICE

The successful bidders will be invited to quote on specific projects as they become available. Specifications describing the work will be supplied by the County for each project in the RFQ document.

Work will provide for the provision of structural repairs and the application of protective coatings in a variety of settings. Typical work settings include collection systems, clarifiers, contact basins, digesters, headworks, tanks, containment units, and other water and wastewater processing systems utilizing protective coatings.

There will usually be very limited access into the tanks, whether they are above ground or below and, as a result, the work will take place in areas defined by the Occupational Safety and Health Administration (OSHA) as an enclosed space. The dimensions of the tanks will vary depending on functions and locations, but typically horizontal dimensions exceed 80' and depths exceed 20'.

The work will involve preparation of surfaces by sandblasting, grit blasting or high pressure water blasting as required for each particular project and may also involve chemical disinfection. Structural concrete repairs by troweling, gunite, or other specified method of epoxy or cementitious compounds are generally required, as applicable. A protective coating is then applied by either rolling or spraying. The protective coating will normally be a two-part, 100% solids, no-solvents, epoxy.

After completion of the work, the successful bidder shall thoroughly clean the inside of the tank and any surrounding affected areas of all grit, debris, and material residue, and properly dispose of such.

3.3 PRODUCTS TO BE APPLIED

The RFQ will specify whether the protective coating material and related products will be provided by the Water and Sewer Department (WASD) or the bidder. If provided by WASD, the specified mastic, primer, cross-link activator, and vinyl liner material will be made available to the bidder's work crew at the job site. Determination of protective coating material quantities (when supplied by WASD) and/or specifications for each assignment will be made by the WASD. The bidder shall provide any and all necessary tools, scaffolding, equipment, materials, and supplies.

The bidder shall be responsible for the proper and necessary use of the materials in the performance of the work. WASD will furnish the bidder with any available manufacturer-issued descriptive literature, application instructions, and Material Safety Data Sheets.

The protective coating materials that may be specified in a particular RFQ include, but are not necessarily limited to the following products:

3.3.1 MASTIC SYSTEM

This system is for new construction or rehabilitation of wastewater structures, including wet wells, grit chambers, conveyance and diversion structures, process and storage tanks, digesters, and other areas needing corrosion protection or gas/liquid containment. The system can be installed on prepared new surfaces, aged surfaces or properly rebuilt surfaces where an air or hand placed repair mortar is used. A mastic base polymer material shall be trowel applied to a prepared surface with typical thickness specifications ranging from 60 mils for new construction to 125 mils for rehabilitated surfaces. A 30 mil thick flexible PVC sheet liner shall be applied next. It shall be chemically cross-linked to the mastic system as a gas barrier facing the service environment.

3.3.2 STRUCTURAL POLYMER PIPELINE SYSTEM

This system is for pipeline rehabilitation and other areas needing fast structural repair, corrosion protection and gas/liquid containment. The system shall be installed in either live or by-passed wastewater environment. Many of the installations may take place in the middle of the night, to be completed before the first morning flows. A polymer material, shall be spray-applied polymer material on the prepared surface, replacing corroded concrete and steel, and providing renewed and greater structural strength. Typical repair thickness shall range from 1/4 inch minimum to 6 inches or more (if conditions warrant, such as point repairs). Immediately following the spray, a 30 mil thick flexible PVC sheet liner shall be applied chemically. It shall cross-linked to the structural polymer as the gas barrier facing the service environment.

3.3.3 RIGID STRUCTURE SYSTEM

This system is for repair and protection of damaged structure, or new construction including wet wells, conveyance and diversion structures, grit chambers, process and storage tanks, and other areas needing structural repair, corrosion protection or gas/liquid containment. Interlocking 1/8 inch thick rigid PVC gas barrier sheets shall be installed with a small annular space between them and the prepared surface of the original structure. Rigid PVC to act as the form for the thermosetting polymer shall be installed. A pour-applied, exothermic, mix-at-pint polymer material is then injected into the space, simultaneously penetrating the substrate and cross-linking with the PVC liner. The injected polymer thickness may range from 3/4 inch minimum to 8 inches and shall begin hardening immediately. As with the system above, this system shall provide significant structural strength as well as a protective barrier to the corrosive wastewater environment; corroded concrete and steel are replaced and no mortal repair shall be necessary.

3.3.4 MANUFACTURER'S BRANDS OF PROTECTIVE COATING

The following is a representative listing of the manufacturers' brands of protective coatings presently in use by WASD. This list is neither exclusive nor complete. The County reserves the right to add or delete manufacturers from this group as it deems necessary and in its best interest during the term of the contract.

The manufacturer's brands of protective coating are:

- Wol-Coat 240
- Sika 123 with Armatec 110, Coastal
- CPP, Epoxytec International
- Uroflex Modified, Epoxytec International
- Belzona 4141, Somay
- Belzona 4911, Somay
- Belzona 5811, Somay
- Carboline 501, Somay
- Carboline 510, Somay
- Carboline 891, Somay
- Plastite 4500S, Somay Products

As provided in Section 2 of this solicitation, the bidder must be an approved applicator and be certified by the coating's manufacturer for the products listed by the bidder in its submittal.

3.4 PROTECTION OF PROPERTY

All existing structures, utilities, services, road, trees, shrubbery, etc., shall be protected against damage or interrupted services at all times by the bidder during the term of this contract, and the bidder shall be held responsible for repairing or replacing property to the satisfaction of the County which is damaged by reason of the bidder's operation on the property.

3.5 CLEAN-UP

All unusable materials and spills shall be removed from the premises immediately, and disposed of in an appropriate manner. Upon final completion, the awarded bidder shall thoroughly clean up all areas where work has been involved as mutually agreed with the WASD's project manager.

3.6 SAFETY

Any RFQ issued under this contract will include its specific safety requirements which may include, but not necessarily limited to the following:

- 3.6.1 No smoking or open flame shall be permitted in any areas within a tank or on the roof of the tank or any adjacent tanks. The successful bidder shall provide

suitable explosion proof blowers, as necessary to make up for any lack of ventilation and to provide comfortable working conditions for its personnel.

- * 3.6.2 Successful bidder's personnel will be in the vicinity of raw sewage. The successful bidder shall check with the Miami Dade County Health Department, and based on their recommendation, have its personnel properly immunized against disease.
- 3.6.3 The contractor will be required to submit a safety manual; outlining the work sequence for review and approval by WASD.
- 3.6.4 The successful bidder shall coordinate with the Construction Manager to arrange mandatory Project Safety Management (PSM) training for all his personnel who will be onsite. This training must be completed prior to mobilization or any other work on site. The successful bidder shall also be responsible that all on-site personnel of his subcontractors, at whatever tier, receive this training. Contact information for the Construction Manager will be provided upon award approval.
- * 3.6.5 A confined space entry plan must be submitted and approved prior to starting work.
- 3.6.6 Use warning devices such as traffic cones, barricades and warning lights to warn plant personnel of any hazard, as considered necessary by the County.

3.7 **SUPERVISION**

The successful bidder shall employ a competent superintendent who shall be in attendance at the project site during the progress of the work. The superintendent shall be the primary representative for the bidder and all communications given to and all decisions made by the superintendent shall be binding to the bidder. Notwithstanding, the superintendent shall be considered to be, at all times, an employee of the bidder under its sole direction and not an employee or agent of Miami-Dade County.

3.8 **PRICING AND PERFORMANCE**

The Bidder shall supply all labor, materials, equipment and any other incidental item necessary to complete the services specified in the RFQ. The proposed price of the RFQ shall provide full compensation to the bidder and shall include all elements of cost to perform and complete the work. No additional cost will be paid by the County.

In the event that a bidder fails to complete the services within the times specified in the quote after receiving the Notice to Proceed, and such failure is not the result of force majeure or acts of God, liquidated damages shall be imposed on the bidder in the amount specified in the RFQ and will be deducted from the original bid.

3.9 **EMERGENCY SERVICE**

The successful bidder shall provide 24 hours, 7 days a week Emergency Service to WASD under this contract. The Emergency Service shall be defined as a non-warranty

related repair service requirement and its response time shall not exceed twenty-four (24) hours after notification by WASD.

- 3.10** Any RFQ issued under this contract will include project specific scope of services, technical specifications, plans and drawings, whether WASD plans to supply the protective coatings and other related products, site conditions (e.g., access, use of existing utilities such as water/electric/restroom availability), and applicable terms and conditions including but not limited to: pre-bid/site visit, payment requirements such as retainage, time for performance, any submittal requirements (e.g., product data, shop drawings and samples), safety manual, confined space entry plan, schedule of values construction schedules, punchlist/substantial/final requirements, bid and/or performance bond requirements, liquidated damage provisions, additional warranty requirements, if the work is to be performed at night or on weekends, type of payment (lump sum vs unit price), as well as any additional requirements.

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