



Memorandum

Date: April 30, 2014

To: Honorable Chairwoman Rebeca Sosa and Members
Board of County Commissioners

From: Carlos A. Gimenez
Mayor

Subject: Advertisement for Design-Build services for the replacement/rehabilitation of 72-inch sanitary sewer force main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue
Consent Decree Project Number DB14-WASD-01

As you know, I have committed to the Board that I will present for your information contracts for the design and construction of significant water and sewer projects to ensure complete transparency in the selection and bid award process. The subject projects have been reviewed by the Small Business Development Division (SBD) of Internal Services Department (ISD) for Community Business Enterprise and Community Services Business Enterprise goal recommendations. In addition, the draft solicitations have been timely and properly posted on ISD's webpage at <http://www.miamidade.gov/procurement/solicitations.asp> and SBD's webpage at <http://www.miamidade.gov/business/contracting-opportunities-architecture-engineering.asp> for industry review and comment prior to advertisement. In addition, a monthly report on the status of the water and sewer infrastructure projects is sent to the Infrastructure and Capital Improvement Committee.

The Water and Sewer Department intends to retain one (1) qualified Design-Builder for design-build services for the replacement/rehabilitation of 72-inch sanitary sewer force main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue; Consent Decree Project Number DB14-WASD-01. The total estimated amount of compensation is twenty million eight hundred ninety thousand, three hundred sixty-eight dollars and eighty cents (\$20,890,368.80). The contract term is one hundred eighty (180) days.

The Request to Advertise document for the above referenced project is also attached for your information. Once the proposals are reviewed and evaluated, a recommendation for award will be presented to the Board for consideration in a timely manner.

I appreciate your support and cooperation as we proceed to address these infrastructure issues. If you have any questions, please feel free to contact me directly at 305-375-1880.

Attachments

- c: R.A. Cuevas Jr., County Attorney
- Alina T. Hudak, Deputy Mayor and Interim Director of Public Works and Waste Management
- Lester Sola, Director, Internal Services Department
- John W. Renfrow, Director, Water and Sewer Department
- Bill Johnson, Director Designee, Water and Sewer Department



Date: April 21, 2014

To: Carlos A. Gimenez
County Mayor

From: Bill Johnson, Director Designee
Water and Sewer Department 

Subject: Request to Advertise for Design-Build Services for the Replacement/Rehabilitation of 72-inch Sanitary Sewer Force Main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue - Project No: DB14-WASD-01 – **Consent Decree Project**

Recommendation

This request to advertise for a Design-Build contract has been prepared by the Water and Sewer Department (WASD) and is recommended for approval pursuant to Section 2-8.1 of the Code of Miami-Dade County. This project is part of the Consent Decree, which was entered on April 9, 2014 in the United States of America, State of Florida and State of Florida Department of Environmental Protection v. Miami-Dade County, Case No. 1:12-24400-FAM. It is identified as Project No. 4.4 on Exhibit D-1 of Appendix D of the Consent Decree.

Scope

PROJECT NAME: Design-Build Services for the Replacement/Rehabilitation of 72-inch Sanitary Sewer Force Main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue.

PROJECT NO: DB14-WASD-01

PROJECT DESCRIPTION: WASD is the primary provider of water and wastewater services to Miami-Dade County and serves a population of almost 2.3 million, which makes it among the largest water/wastewater utilities in the United States. On May 21, 2013, the Board of County Commissioners approved the Consent Decree (CD) negotiated with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the State of Florida Department of Environmental Protection (FDEP). The CD was lodged with the United States District Court for the Southern District of Florida (the "Court") in Case No. 1:12-24400-FAM on June 6, 2013 and was entered by the Court on April 9, 2014. The CD outlines the activities to be undertaken to, among other things: (1) reduce Sanitary Sewer Overflows (SSO's), (2) reduce exceedances of treated effluent limitations, and (3) ensure proper management, operation and maintenance practices for the County's wastewater system. All capital improvement projects must be completed on or before fifteen (15) years from the date of lodging of the CD with the United States District Court (June 6, 2013). Additionally, many program requirements must be delivered within a certain time after the CD's "Effective Date" of December 6, 2013, which is six (6) months from the Date of Lodging of the CD with the Court. WASD recognizes the need for design services at the wastewater treatment plants as part of the capital improvement program. The Design-Builder shall be familiar with and comply with the requirements of the CD, which is available for review at WASD's website at: <http://www.miamidade.gov/water/wastewater-improvement-projects.asp>.

The Design-Builder shall provide engineering, design, permitting, construction, testing and commissioning services for the implementation of the replacement/rehabilitation of the 72-inch sanitary sewer force main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue. The design and construction services rendered by the Design-Builder shall result in a complete, functional, and operational piping project with a minimum of 80 years of design life. The Project shall consist of the following main elements:

1. Remove and salvage the existing 60-inch inline valves located at the intersection of Northwest 2nd Avenue and Northwest 159th Street. The salvaged valves will remain the property of the Miami-Dade Water and Sewer Department (WASD).
2. Installation of two new 60-inch inline valves at the intersection of Northwest 6th Avenue and Northwest 159th Street and also at the intersection of North Miami Avenue and Northwest 159th Street. These valves will be procured by WASD forces.
3. Booster Pump Station 1310, located at Northwest 151st Street and Douglas Road, will be reconfigured or shutdown to allow discharge towards the suction header of Booster Pump Station 300, located at Northwest 30th Avenue and Northwest 127th Street. Pump Station 300 will to be evaluated to confirm ability to receive Design-Builder's proposed flow (based on the construction approach) and, if necessary, be reconfigured to receive the additional flow from Booster Pump Station 1310.
4. Install an 8-inch temporary bypass for the existing North Miami Beach 8-inch force main connection to the existing 72-inch force main, located at the intersection of Northwest 16th Court and Northwest 155th Terrace.
5. Install an 8-inch temporary bypass for the existing City of North Miami 8-inch force main connection to the existing 72-inch force main located at the intersection of Northwest 2nd Avenue and Northwest 159th Street.
6. Install a 16-inch temporary bypass for the existing WASD 16-inch force main connection to the existing 72-inch force main located at the intersection of North Miami Avenue and Northwest 159th Street.
7. Approximately 6,400 linear feet of Class IV fully structural (to act as a separate pipe with the existing pipe acting as merely a right-of-way for the installation) Cure-in-Place Pipe (CIPP) application between North Miami Avenue and Northeast 10th Avenue. The preferred material for this CIPP application shall be furnished with a tube fabricated with non-woven synthetic fiber or non-woven synthetic fiber with fiberglass reinforced material and a vinyl ester or epoxy resin system which is compatible with the inversion process. The CIPP application shall be designed to withstand an internal pressure between 60 pounds per square inch (psi) to 65 psi.
8. Approximately 8,860 linear feet of Class IV fully structural (to act as a separate pipe with the existing pipe acting as merely a right-of-way for the installation) continuous slip-lining with high density polyethylene (HDPE) application between Northwest 17th Avenue and North Miami Avenue. The preferred material for this slip-lining operation is a 63-inch fusible HDPE pipe, Dimension Ratio (DR) 32.5, manufactured from a pipe resin which meets American Society for Testing Materials (ASTM) D 3350 "Standard Specification for Polyethylene Plastic Pipe and Fittings Material" with a minimum cell classification of 445574C, manufactured to the dimensions of ASTM F714 "Standard Specification for Polyethylene (PE) Plastic Pipe Standard Dimension Ratio Pressure Rated (S.D.R.-PR) Based on Outside Diameter" with a pressure rating between 60 psi to 65 psi.
9. Approximately 1,800 linear feet open cut construction to install a 60-inch pipe to interconnect slip-lining operations between Northwest 17th Avenue and Northeast 2nd Avenue.

Additionally, 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 rehabilitated 72-inch sanitary sewer force main without interruption of service to the existing 72-inch sanitary sewer force main and its upstream and downstream pump stations, sewers and force mains.

The Design-Builder shall provide and pay for all labor, materials, tools, construction equipment and other ancillary facilities necessary for proper execution, testing, commissioning, and final restoration work required for functional and satisfactory delivery of the work. Any work and services which may be reasonably assumed as necessary to accomplish this objective shall be supplied by the Design-Builder.

PROJECT LOCATION: The project location is in the area bounded by Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue.

PRIMARY COMMISSION DISTRICT: District 2
Jean Monestime

APPROVAL PATH: Mayor's Authority

Fiscal Impact / Funding Source

FUNDING SOURCE: Wastewater Connection Charges, Wastewater Renewal Fund, Future WASD Revenue Bonds, WASD 2013 Revenue Bonds and WASD Revenue Bonds

PTP FUNDING: No

GOB FUNDING: No

ARRA FUNDING: No

CAPITAL BUDGET PROJECT:	CAPITAL BUDGET PROJECT # -	RTA
	DESCRIPTION	ESTIMATE
	968150- WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT	\$20,890,368.80

Book Page:123 Adopted Capital Book for Fiscal Year 2013-2019:

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

TYPE CODE DESCRIPTION

- Prime 6.01 WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
- Prime 16.00 GENERAL CIVIL ENGINEERING
- Other 9.01 SOILS, FOUNDATIONS AND MATERIALS TESTING - DRILLING, SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES
- Other 9.02 SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
- Other 9.03 SOILS, FOUNDATIONS AND MATERIALS TESTING - CONCRETE AND ASPHALT TESTING SERVICES
- Other 9.04 SOILS, FOUNDATIONS AND MATERIALS TESTING - NON-DESTRUCTIVE TESTING AND INSPECTIONS
- Other 10.05 ENVIRONMENTAL ENGINEERING - CONTAMINATION ASSESSMENT AND MONITORING
- Other 11.00 GENERAL STRUCTURAL ENGINEERING
- Other 15.01 SURVEYING AND MAPPING - LAND SURVEYING
- Other 15.03 UNDERGROUND UTILITY LOCATION
- Other 17.00 ENGINEERING CONSTRUCTION MANAGEMENT

SUSTAINABLE BUILDINGS ORDINANCE: Does the project qualify for compliance with the Sustainable Buildings Ordinance?
(I.O NO. 8-8) No

TOTAL ESTIMATED CONTRACT PERIOD: 180 Calendar Days Excludes Warranty Administration Period.

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES: No

BASE ESTIMATE: \$18,755,803.00 Estimated Construction Cost \$17,050,730.00
 Estimated Design Services \$ 1,705,073.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	Design	10%	\$1,023,043.80	Contingency Allowance fees in accordance with Ordinance 00-65 is 5% of the total estimated construction cost (\$17,050,730.00) = \$852,536,50 and 10% of the estimated engineering cost of (\$1,705,073.00) = \$170,507.30
	Build	5%		

PERMIT FEES : \$511,522.00

**UNFORESEEN
HYDROCARBON
CONTAMINATION** \$300,000.00

OFF-DUTY POLICE OFFICER : \$300,000.00

**TOTAL DEDICATED
ALLOWANCE:** \$1,111,522.00

COST ESTIMATE: \$20,890,368.80

Track Record / Monitor

EXPLANATION: This information will be provided upon contract award.

**MINIMUM QUALIFICATIONS
EXCEED LEGAL
REQUIREMENTS:** Minimum Project Experience and Past Performance: The proposed Design-Builder shall demonstrate its project team experience by presenting the qualifications and capabilities of the Design-Builder, Lead Constructor(s) and Lead Designer(s) supported by listing projects completed within the last ten (10) years, including projects that are at least fifty percent (50%) complete, prior to the required submittal date of the solicitation, that demonstrate related minimum project experience as indicated below:

The proposed Design-Builder, including Lead Builder(s) and Lead Designer(s), any of which also may serve as the Design-Builder entity, shall be identified in the Proposer's Statement of Qualifications (SOQ) submittal. Experience and qualifications information must be included in the Internal Services Department Experience and Verification Chart(s) provided to be included with the Request for Design Build Services (RDBS).

1) Design-Builder:

- I. The Design-Builder shall demonstrate that it has performed and/or managed as a Prime contractor or Design-Builder the construction of at least two (2) pipeline rehabilitation projects, one (1) of which was a minimum length of 1,000 linear feet with a minimum 48-inch diameter.
- II. The Design-Builder may also qualify for any of the Lead Constructor or Lead Designer requirements.

2) Lead Constructors:

- I. The Lead Constructor firm performing the Cure-In-Place-Pipe (CIPP) work must have constructed at least two (2) CIPP projects consisting of Class IV fully structural for pressure pipe, one (1) of which was a minimum of 1,000 linear feet and a minimum 48-inch internal diameter.
- II. The Lead Constructor firm performing the pit/shaft construction shall have constructed at least two (2) pits/shafts that were each at least 15-feet deep (below grade).
- III. The Lead Constructor firm performing the installation of the continuous slip-lining must have constructed at least two (2) continuous slip-lining projects with Class IV fully structural fusible high density polyethylene (HDPE) for pressure pipe, one (1) of which was a minimum of 1,000 linear feet, and a minimum 48-inch internal diameter.
- IV. The Lead Constructor firm performing the open cut installation of 60-inch pipe shall demonstrate having performed two (2) projects utilizing the

open cut method with pipe of minimum 48-inches inside diameter, including one (1) for a total installed length of at least 1,000 linear feet.

- V. Design-Build Team includes a firm having demonstrated experience with one (1) project of tapping into an operating sewer system pipe of reasonably similar size and type. This firm may be a specialty subcontractor.

Lead Constructor(s) may qualify for one (1) or more of the above Lead Constructor requirements.

3) Lead Designers:

- I. The Lead Designer firm who will design the Cure-In-Place-Pipe (CIPP) work must have designed at least two (2) CIPP projects consisting of Class IV fully structural for pressure pipe, one (1) of which was a minimum of 1,000 linear feet and a minimum 48-inch internal diameter.
- II. The Lead Designer firm performing the design of the continuous slip-lining must have designed at least two (2) projects with Class IV fully structural fusible HDPE for pressure pipe, one (1) of which was a minimum of 1,000 linear feet and a minimum 48-inch internal diameter.
- III. The Lead Designer firm performing the design of the open cut installation of 60-inch pipe must have designed at least two (2) projects utilizing the open cut method with pipe of minimum 48-inches inside diameter, including one for a total installed length of at least 1,000 linear feet.
- IV. The Lead Designer firm performing design for the pits/shafts shall have designed one (1) deep pit/shaft project to support a rehabilitation operation of at least 15-feet deep (below grade).

Lead Designers may qualify for one (1) or more of the above Lead Designer requirements.

4) Additional Preferred Project Experience and Past Performance: Design-Builder teams may receive higher qualifications scores from the Competitive Selection Committee (CSC) if their submitted project experience and past performance can demonstrate the following:

- I. Listed projects are of a similar or greater size and level of complexity.
- II. Any listed projects of the proposed Design-Builder entity were designed and constructed through design-build project delivery.
- III. The Lead Constructor and Lead Designer have worked together on previous projects, especially on design-build projects.
- IV. Listed projects of the Lead Constructor and Lead Designer for the rehabilitation work include experience in reasonably similar urban conditions.
- V. Listed projects demonstrate capabilities and experience of utilizing soil stabilization and grouting techniques for water control during boring and pit/shaft excavation. (This may be a specialty subcontractor)
- VI. Key Personnel, most significantly the proposed Project Manager, Design Manager and Construction Manager, have served on the Projects listed and their client reference can validate that performance.

5) Minimum industry and position experience of Design-Build Team Key Personnel are as follows:

- I. Minimum fifteen (15) years total industry experience of which five (5) years in a similarly responsible position for each of the following Key Personnel:
 - Design-Build Project Manager
 - Lead Designer - Design Manager
 - Lead Constructor - Construction Manager
 - Pits/Shfts Construction Superintendent
- II. Minimum ten (10) years total industry experience of which three (3) years is in a similarly responsible position for each of the following key personnel:

- Lead Structural Engineer
 - Lead Geotechnical Engineer
 - Lead Pipeline/Mechanical Engineer
 - Pipe Tapping Superintendent
 - Permitting / Compliance Manager
 - Design-Builder Quality Assurance/Quality Control (QA/QC) Manager
 - Design-Builder Safety Manager
- III. Key Personnel must demonstrate experience with the type of work to be performed.
- Proposers shall identify, in their SOQ, those State of Florida registered Professional Engineers who will sign and seal construction plans and specifications.
 - 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.
- IV. Additional Preferred Experience and Past Performance:
- Experience in significant role on a design-build project, especially in a similar role as proposed for this Project.
 - Superior references with regard to meeting cost, schedule, and quality objectives on previous projects, and maintaining a positive client relationship.
- 6) Design-Builder Safety Record - minimum past performance as reflected by a three (3) year average for the last three (3) previous full years of the Experience Modification Rate (EMR) for the Design-Builder and Pits/Shafts Constructor shall not exceed 1.10 for each firm.
- I. Design-Builders shall provide EMR data for the previous three (3) full calendar years (2011, 2012, and 2013) on a firm-wide basis which shall be documented by a signed letter with contact information from the firm's insurance carrier, or the insurance carrier's agency representative. Higher qualifications score 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 indicating OSHA submitted accident data for evaluation by the CSC as to their frequency and severity.

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

REVIEW COMMITTEE:

MEETING DATE: 3/11/2014 **SIGNOFF DATE:** 04/03/2014

**APPLICABLE WAGES:
(RESOLUTION No. R-54-10)**

Yes

**REVIEW COMMITTEE
ASSIGNED CONTRACT
MEASURES:**

<u>TYPE</u>	<u>GOAL</u>	<u>COMMENT</u>
CSBE	15.50%	Administrative Order 3-22
CBE	30.00%	Administrative Order 3-32
CWP	10.00%	Designated Target Areas

MANDATORY CLEARING HOUSE:

Yes

CONTRACT MANAGER:

Patty David 786-552-8040 pattyd@miamidade.gov

PROJECT MANAGER:

Eduardo M. Luis 786-552-8948 emlui01@miamidade.gov

BACKGROUND:

On June 18th, 2010, a portion of the 72-inch Pre-stressed Concrete Cylinder Pipe force main experienced a catastrophic failure just west of Northwest 17th Avenue. The corresponding failed pipe, along with an adjacent pipe segment, were removed and replaced at that time. Due to concerns over the condition of the pipeline, and the risk associated with an additional failure, WASD contracted Pure Technologies in November 2010 to conduct an internal inspection and a condition assessment of the 72-inch force main's pre-stressed wires. Pipeline inspection, engineering analysis, and condition assessment of the 72-inch force main were conducted. Based on the results of those inspections, approximately 1.5 miles of the force main between Northwest 32nd Avenue and Northwest 17th Avenue were rehabbed by slip-lining the existing 72-inch force main with high density polyethylene pipe. At this time, WASD needs to replace/rehabilitate 3.5 miles of 72-inch force main between Northwest 17th Avenue and Northeast 10th Avenue.

As stated earlier, this project is part of the Consent Decree, which was entered on April 9, 2014 in the United States of America, State of Florida and State of Florida Department of Environmental Protection v. Miami-Dade County, Case No. 1:12-24400-FAM. It is identified as Project No. 4.4 on Exhibit D-1 of Appendix D of the Consent Decree.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

<u>COMMITTEE MEMBER & TITLE</u>	<u>YEAR HIRED</u>	<u>GENDER / ETHNICITY</u>	<u>EDUCATION</u>	<u>PROFESSIONAL LICENSES</u>
Juan Bedoya, Assistant Superintendent, Sewer Collection (Member)	1989	Male/Hispanic	High School	Wastewater Class A Certificate
James A. Saren, Assistant Superintendent Sewer Collection (Alternate Member)	1979	Male/Caucasian	High School	Wastewater A Collection License
Rodney Lovett, Chief, Sewer Collection Division Technical Member)	1989	Male/Caucasian	Associate in Arts	General Engineering General Contractor

DEPARTMENT
FINANCE:

 4/16/14

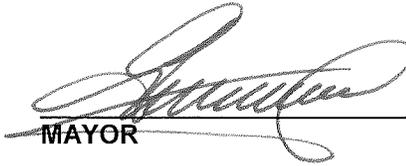
Frances G. Morris

DEPT FINANCE DATE:
OFFICER

BUDGET
APPROVAL
FUNDS
AVAILABLE:

 4/16/14

OMB DIRECTOR DATE



MAYOR DATE

CLERK DATE

DATE



Small Business Development Division Project Worksheet

Project/Contract Title: DESIGN-BUILD SERVICE FOR REPLACEMENT/REHABILITATION OF 72-INCH SANITARY SEWER FORCE MAIN ALONG NW/NE 159TH STREET BETWEEN NW 17TH AVE AND NE 10TH AVE
Received Date: 03/11/2014
Project/Contract No: DB14-WASD-01 (BUILD) **Funding Source:** MULTIPLE
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$17,903,266.00 **Resubmittal Date(s):**
Description of Project/Bid: To establish a Design-Build project for engineering, design, permitting, construction, testing and commissioning services for the implementation of the replacement/rehabilitation of the 72-inch sanitary sewer force main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue. The design and construction services rendered by the Design-Builder shall result in a complete, functional, and operable piping project with a minimum of 80 year of design life.

Contract Measures Recommendation

<u>Measure</u>	<u>Program</u>	<u>Goal Percent</u>
Goal	CSBE	15.50%
Workforce Goal	CWP	10.00%

Reasons for Recommendation

An analysis of the factors contained in Section VI C of Implementing Order #3-22 indicate that a 15.5% CSBE Subcontractor Goal is appropriate in the following: Highway, Street, And Bridge Construction & Water and Sewer Line and Related Structures Construction).

Funding Sources: Wastewater Connection Charges, Wastewater Renewal Funds, Future WASD Revenue Bonds, WASD 2013 Revenue Bonds and WASD Revenue Bonds Sold

CWP Estimated Workforce: 18 CWP Workforce Recommendation: 2

CWP Designated Target Areas: CDBG Eligible Block Groups

Trade Category: 237110-Water And Sewer Line And Related Structures Construction; 237310-Highway, Street, And Bridge Construction

Small Business Contract Measure Recommendation

<u>Subtrade</u>	<u>Cat.</u>	<u>Estimated Value</u>	<u>% of Items to Base Bid</u>	<u>Availability</u>
Highway, Street, and Bridge Construction	CSBE	\$1,074,195.96	6.00%	
Water and Sewer Line and Related Structures Construction	CSBE	\$1,700,810.27	9.50%	
Total		\$2,775,006.23	15.50%	

Living Wages: YES NO **Highway:** YES NO **Heavy Construction:** YES NO
Responsible Wages: YES NO **Building:** YES NO

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal funds. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



Small Business Development Division
Project Worksheet

Project/Contract Title: DESIGN-BUILD SERVICE FOR REPLACEMENT/REHABILITATION OF 72-INCH SANITARY SEWER FORCE MAIN ALONG NW/NE 159TH STREET BETWEEN NW 17TH AVE AND NE 10TH AVE
Project/Contract No: DB14-WASD-01 (BUILD)
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$17,903,266.00

Received Date: 03/11/2014

Funding Source: MULTIPLE

Resubmittal Date(s):

REVIEW RECOMMENDATION
Tier 1 Set Aside
Tier 2 Set Aside
Set Aside Level 1 Level 2 Level 3
Trade Set Aside (MCC) Goal Bid Preference
No Measure Deferred Selection Factor
CWP
SBD Director
Date 4/3/14



Small Business Development Division Project Worksheet

Project/Contract Title: DESIGN-BUILD SERVICE FOR REPLACEMENT/REHABILITATION OF 72-INCH SANITARY SEWER FORCE MAIN ALONG NW/NE 159TH STREET BETWEEN NW 17TH AVE AND NE 10TH AVE **Received Date:** 03/11/2014
Project/Contract No: DB14-WASD-01 (DESIGN) **Funding Source:** MULTIPLE
Department: WATER & SEWER DEPARTMENT **Resubmittal Date(s):**
Estimated Cost of Project/Bid: \$1,875,580.00

Description of Project/Bid: To establish a Design-Build project for engineering, design, permitting, construction, testing and commissioning services for the implementation of the replacement/rehabilitation of the 72-inch sanitary sewer force main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue. The design and construction services rendered by the Design-Builder shall result in a complete, functional, and operable piping project with a minimum of 80 year of design life.

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CBE	30.00%

Reasons for Recommendation

This project meets all the criteria set forth in Implementing Order #3-32, Section V.

Funding Sources: Wastewater Connection Charges, Wastewater Renewal Funds, Future WASD Revenue Bonds, WASD 2013 Revenue Bonds and WASD Revenue Bonds Sold

A Tier 2 CBE Set-Aside was considered during the analysis; however, insufficient responses from CBE firms as the "Lead Designer" precluded such attempts. WASD recommended a 25% CBE Goal; final recommendation concurred to, was a 30% CBE Goal.

SIC 871 - Architectural and Engineering Services

Technical Category: 0601-W & S Sewer Sys-Water Dist & Sanitary Sewage Coll; 0901-Drilling Subsurface Investigations & Seismographic; 0902-Geotechnical & Materials Engineering Services; 0903-Concrete And Asphalt Testing Services; 0904-Non-Destructive Testing And Inspections; 1005-Environmental Eng-Contamination Assess & Monitor; 1100-General Structural Engineering; 1501-Surveying And Mapping-Land Surveying; 1503-Underground Utility Location; 1600-General Civil Engineering; 1700-Engineering Construction Management

Small Business Contract Measure Recommendation

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
GENERAL STRUCTURAL ENGINEERING	CBE	\$262,581.20	14.00%	
SURVEYING AND MAPPING-LAND SURVEYING	CBE	\$37,511.60	2.00%	
ENVIRONMENTAL ENG-CONTAMINATION ASSESS & MONITOR	CBE	\$93,779.00	5.00%	
DRILLING SUBSURFACE INVESTIGATIONS & SEISMOGRAPHIC	CBE	\$37,511.60	2.00%	
GEOTECHNICAL & MATERIALS ENGINEERING SERVICES	CBE	\$37,511.60	2.00%	
ENGINEERING CONSTRUCTION MANAGEMENT	CBE	\$93,779.00	5.00%	
Total		\$562,674.00	30.00%	

Living Wages: YES NO Highway: YES NO Heavy Construction: YES NO
 Responsible Wages: YES NO Building: YES NO

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



Small Business Development Division

Project Worksheet

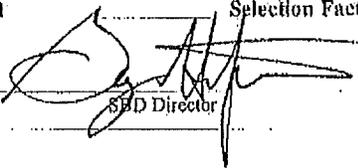
Project/Contract Title: DESIGN-BUILD SERVICE FOR REPLACEMENT/REHABILITATION OF 72-INCH SANITARY SEWER FORCE MAIN ALONG NW/NE 159TH STREET BETWEEN NW 17TH AVE AND NE 10TH AVE
Project/Contract No: DB14-WASD-01 (DESIGN)
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$1,875,580.00

Received Date: 03/11/2014

Funding Source: MULTIPLE

Resubmittal Date(s):

REVIEW RECOMMENDATION

Tier 1 Set Aside	Tier 2 Set Aside		
Set Aside	Level 1	Level 2	Level 3
Trade Set Aside (MCC)	Goal	Bid Preference	
No Measure	Deferred	Selection Factor	
CWP		4/3/14	
	SBD Director	Date	

FY 2013 - 14 Adopted Budget and Multi-Year Capital Plan

UPGRADE OF MIAMI SPRINGS PUMP STATIONS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 987730

DESCRIPTION: Upgrade electrical control panels, pumps and proprietary SCADA system
 LOCATION: Various Sites
 District Located: 6
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	0	71	200	0	0	0	0	0	271
BBC GOB Series 2008B-1	559	0	0	0	0	0	0	0	559
BBC GOB Series 2011A	8	0	0	0	0	0	0	0	8
TOTAL REVENUES:	567	71	200	0	0	0	0	0	838
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	567	71	200	0	0	0	0	0	838
TOTAL EXPENDITURES:	567	71	200	0	0	0	0	0	838

WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT

PROJECT #: 988150

DESCRIPTION: Design, construct, and rehabilitate collection and transmission infrastructure lines to comply with EPA Consent Decree
 LOCATION: Various Sites
 Throughout Miami-Dade County
 District Located: Countywide
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	40,919	1,161	1,276	0	0	0	0	0	43,346
Wastewater Renewal Fund	5,321	0	0	0	0	0	0	0	5,321
Future WASD Revenue Bonds	0	0	24,986	78,787	97,169	36,557	25,786	79,174	342,459
WASD 2013 Revenue Bond	22,355	0	0	0	0	0	0	0	22,355
WASD Revenue Bonds Sold	56,661	0	0	0	0	0	0	0	56,661
TOTAL REVENUES:	125,255	1,161	26,262	78,787	97,169	36,557	25,786	79,174	470,142
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	7,922	3,131	3,134	8,379	9,474	3,564	2,514	7,720	45,838
Construction	73,336	28,982	29,007	77,682	87,698	32,993	23,272	71,434	424,304
TOTAL EXPENDITURES:	81,280	32,113	32,141	85,941	97,170	36,557	25,786	79,174	470,142

WASTEWATER PIPES AND INFRASTRUCTURE PROJECTS

PROJECT #: 988750

DESCRIPTION: Replace and install new pipelines in areas requiring service improvements
 LOCATION: Various Sites
 District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	16,250	3,000	3,000	3,000	3,000	3,000	3,000	0	34,250
WASD Revenue Bonds Sold	1,642	0	0	0	0	0	0	0	1,642
TOTAL REVENUES:	17,892	3,000	3,000	3,000	3,000	3,000	3,000	0	35,892
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	2,859	479	479	479	479	479	480	0	5,734
Construction	15,033	2,521	2,521	2,521	2,521	2,521	2,520	0	30,158
TOTAL EXPENDITURES:	17,892	3,000	3,000	3,000	3,000	3,000	3,000	0	35,892

Department: Water and Sewer

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BUDGET PROJECT 968150 - (As per 2013-2014 Approved Budget)

Project Title: 968150-WASTEWATER COLLECTION AND TRANSMISSION
LINES - CONSENT

Project Desc: Design, construct, and rehabilitate collection and transmission infrastructure lines to comply with EPA Consent Decree

CDP Project Revenue

CDP Revenue:	Prior:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	FUTURE:	Total:
Future WASD Revenue B	0	0	0	0	0	24,986,000	78,787,000	238,686,000	342,459,000
Future Wastewater Rev	0	0	0	0	0	0	0	0	0
WASD 2013 Revenue Bon	0	0	0	22,355,000	0	0	0	0	22,355,000
WASD Revenue Bonds So	0	0	56,661,000	0	0	0	0	0	56,661,000
Wastewater Connection	0	0	38,919,000	2,000,000	1,151,000	1,276,000	0	0	43,346,000
Wastewater Renewal Fu	0	0	4,448,000	873,000	0	0	0	0	5,321,000

CIIS Site Funding Info

SITE Location/Desc:	Prior:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	FUTURE:	Total:
77288 - Various Transmission and Collection Lines	0	0	0	46,151,000	4,981,000	9,866,000	78,364,000	251,619,000	390,981,000

Desc: Consent Decree infrastructure projects at various collection and transmission lines

	05-06:	06-07:	07-08:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	16-17:	17-18:	18-19:	19-20:	20-21:	21-22:	22-23:	23-24:	Total:
CIIS Proposed RV:	4	0	0	0	0	0	92,845,000	2,000,000	28,517,000	26,282,000	78,787,000	97,169,000	36,557,000	25,788,000	79,174,000	0	0	0	0	465,097,000.00
CIIS Proposed MS:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

CIIS Proposed Book Report

PROJECT REPORT 4

EXIT

Current Contracts for Project 968150

Dept	ContractNo	Contract Name	RTA / MCC Estimated Allocation	Award / MCC Award Allocation	CIIS Award
WS	<u>DB12-WASD-01</u>	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	\$0.00	\$0.00	\$14,834,170.32
WS	<u>DB14-WASD-01</u>	Design-Build Services for the Replacement/Rehabilitation of 72-inch Sanitary Sewer Force Main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue	\$20,890,368.80	\$0.00	\$0.00
WS	<u>E13-WASD-01</u>	Program and Construction Management Services related to the Wastewater System Priority Projects	\$9,370,000.00	\$0.00	\$0.00
WS	<u>E13-WASD-01-</u>	Program and Construction	\$9,370,000.00	\$0.00	\$91,149,497.00

	<u>R</u>	Management Services related to the Wastewater System Priority Projects			
WS	<u>E13-WASD-01-R</u>	Program and Construction Management Services related to the Wastewater System Priority Projects	\$0.00	\$9,370,000.00	\$91,149,497.00
WS	<u>E13-WASD-04</u>	Design Services for Wastewater Collection and Transmission Systems related to Consent Decree Projects	\$44,000,000.00	\$0.00	\$0.00
WS	7360: <u>P0130</u>	Countywide Contract for Rehabilitation of Sanitary Sewers by The Cured-in-Place Method	\$3,144,500.00	\$0.00	\$0.00
WS	7040: <u>T1831</u>	<u>One Year Countywide Contract for Removal and Replacement of Sanitary Sewer Mains</u>	<u>\$2,688,446.00</u>	<u>\$0.00</u>	<u>\$0.00</u>

Total Allocated: \$89,463,314.80 \$9,370,000.00

Current Contracts for Sites of Project 968150

(Theses contracts are not necessarily funded from this project)

<u>Dept</u>	<u>Site NO</u>	<u>ContractNo</u>	<u>Award Allocation</u>
WS	#77288	P0130	\$3,144,500.00
WS	#77288	<u>T1831</u>	<u>\$2,688,446.00</u>
Total Allocated:			\$5,832,946.00

Search for Site Number
Search for Budget Project Number