

DEPARTMENT INPUT
CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Check applicable Ordinance(s): ☒ 90-143 Responsible Wage and Benefits ☐ 03-237 (formerly 03-1) Community Workforce Program

PROJECT INFORMATION See attachment ☒

Contract/Project/*Work Order No.: S-918

*Reference corresponding project number when submitting a work order

Contract/Project Title: Replacement of 8-Inch Sanitary Sewer Sub-Aqueous Crossing (Inverted Siphon) under the Sabal Lake Canal (PS 0021)

Description/Scope of Work: See Attached

Estimated Cost: 972356 Funding Source: Other (specify)

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23rd Ct or Starts at 135 St. ends at 145 St.
Section 19, Township 53, Range 42, Bay Point Island

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP) See attachment ☐

Engineer/Department or Agency's estimated required workforce for Project ☐ Work Order ☐:

| Trade/Skills Required | Est. # of workforce required per trade | Est. # of total days to complete job |
|-----------------------|--|--------------------------------------|
| N/A | | |
| N/A | | |
| N/A | | |

Comments:Not Applicable, project involves sewer installation by trenchless means.

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment ☒

| Sub-Trade | Est. Cost | % of Item to Base Bid | Availability |
|---------------------------|-----------|-----------------------|-----------------|
| Utility Demolition | \$40,000 | 4.11% | SBE-Cons |
| Concrete Gutter | \$6,900 | 0.98% | Service |
| Limerock Base | \$2,596 | | |
| | \$49,496 | 5.09% | |

RECOMMENDATION

Set-Aside: Level 1 ☐ Level 2 ☐ Level 3 ☐ Trade Set-Aside ☐ Sub-Contractor Goal ☒ Workforce Goal ☐ No Measure ☐

Basis for Recommendation:This is a project involves the subaqueous installation of a sewer main by trenchless means. Project is being bid out under a performance specification, to prequalified Group 1 contractors prequalified under RTQ #00298, where means and methods will be determined by contractor.

Date submitted to DBD: _____

Contact Person:Isaac Smith

Telephone No.:786-552-8989

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

To: Gary T. Hartfield, Division Director
Internal Services Department
Small Business Development Division

From: Isaac Smith, Sr. Program Manager
Miami-Dade Water and Sewer Department

Department: Miami-Dade Water and Sewer Department

Contract Title: Replacement of 8-Inch Sanitary Sewer Sub-Aqueous Crossing (Inverted Siphon) under the Sabal Lake Canal (PS 0021)

Contract No.: S-918

Estimate Amount: \$972,356 [\$883,960 Construction + \$88,396 Contingency]

Funding Source: EW 623

| |
|---|
| Analysis for Recommendation 5.09% SBE-Cons & 2.57% Service |
|---|

Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

This project will be bid out under RTQ-00298 Pre-qualification for Trenchless Technologies, for competition among all Group 1 Bidders and will be processed via processed under Section 2-8.1.12 of the Code

The project consists of the replacement by a trenchless method of approximately 150 LF of existing 8-inch Sanitary Sewer subaqueous crossing under the Sabal Lake Canal (Inverted Siphon) that connects the Bay Point Island sewer system with Pump Station 0021 sewer system. The work includes also includes, but is not limited to the following tasks: design of pipeline installation; trenchless pipe installation; bypassing of sanitary sewer flows, dewatering and interior cleaning of the pipe; milling, asphalt pavement restoration, installing pavement markings, signing, and temporary and permanent pavement repairs; setting staging and working areas approved by the Home Owner's Association (HOA) of Bay Point, and any other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation. All work shall be done with minimal interruption to newly built Pumping Station 0021, located in Section 19, Township 53, Range 42, in Miami-Dade, Florida.

The project also includes providing Maintenance of Traffic (MOT) plans; providing off-duty police for traffic control as may be required by the Department or governing authorities; permanent pavement restoration and full width milling and asphalt overlay of existing roadways; and, replacing pavement markings. Ancillary work includes all permitting; dewatering; storm water pollution prevention; removing unsuitable soils and installing suitable backfill material where required; replacement of sod and shrubs, tree protection and site restoration.

Bidders will be required as part of their bids to submit detailed design documentation prepared, signed and sealed by a professional engineer including design calculations demonstrating that the intended rehabilitation product or products meets or exceeds the requirements of this performance specification. The successful proposer will be required to have all submittals signed and sealed by a licensed State of Florida Professional Engineer prior to award.

CONSIDERATIONS FOR SBE-CONS ANALYSIS:

1. This project involves replacement of an 8-inch subaqueous crossing under the Sabal Lake Canal, which is the dedicated pipeline that connects Bay Point Island with the Pump Station 0021 sewer system. The project is being bid out as a Performance Specification where the technology utilized for trenchless pipe installation will be up to the contractor (Lowest cost for a system that meets all requirements of Performance Specification). These systems typically involve digging an entry and retrieval pit, line with steel sheet piling and a tremmie concrete bottom to provide a dry environment for the work and trenchless pipe installation with specialized equipment.
2. Therefore, the Department's recommendation is **"5.09% SBE-Cons"**.

LICENSES: The types of licenses required are: General Contracting, General Engineering, State Underground, Pipeline and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

COMMUNITY WORKFORCE PROGRAM

CWP PARTICIPATION: Not Applicable.

ANALYSIS FOR SBE-CONSTRUCTION

ANALYSIS FOR SBE CONSTRUCTION AND G & S

Contract No. S-918

| | | | | | |
|----|---|--------|---------|----------|-----------|
| 1 | Mobilization and Demobilization | 76866 | 7.91% | | |
| 2 | Demolition (Sewer tank, access hatches, piping, etc.) | 40000 | 4.11% | 4.11% | |
| 3 | Replacement of 8-inch Sub-Aqueous Crossing | 558900 | 57.48% | | |
| 4 | Sewer By-Pass Pumping | 120000 | 12.34% | | |
| 5 | Concrete Valley Gutter | 6900 | 0.71% | 0.71% | |
| 6 | Limerock Base | 2596 | 0.27% | 0.27% | |
| 7 | Type M Paving | 3190 | 0.33% | | |
| 8 | Milling and Paving Overlay | 12075 | 1.24% | | |
| 9 | Landscaping | 15000 | 1.54% | | 1.54% |
| 10 | Sod | 10000 | 1.03% | | 1.03% |
| 11 | MOT and Traffic Control | 38433 | 3.95% | | |
| | SUBTOTAL | 883960 | | | |
| | Contingency (10%) | 88396 | 9.09% | 5.09% | 2.57% |
| | SBE TOTAL | 972356 | 100.00% | SBE-Cons | SBE-Serv. |

CONSIDERATIONS FOR SBE-G/S ANALYSIS:

1. This project involves replacement of an 8-inch subaqueous crossing under the Sabal Lake Canal, which is the dedicated pipeline that connects Bay Point Island with the Pump Station 0021 sewer system. The project is being bid out as a Performance Specification where the technology utilized for trenchless pipe installation will be up to the contractor (Lowest cost for a system that meets all requirements of Performance Specification).
2. The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services. There are limited opportunities for participation in this project.
3. **The Department's recommendation is a "2.57% Service".**

| Analysis for Small Business Enterprise – Goods and Services Recommendation | | | | |
|--|---|------------------|----------------|------------------|
| Item | Goods & Services | Prime Contractor | Sub-Contractor | SBE Availability |
| 1. | GOODS: Sanitary Sewer (Trenchless) | X | | |
| 2. | SERVICES Pavement Markings Milling & Paving Landscaping & Sodding | | X X X | X |