DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION

To: Penelope Townsley, Director
Department of Business Development

From: Cristian Garcia
Contracts Compliance Spec II

Department: Miami-Dade Water and Sewer Department

Contract Title: Perrine-Cutler Ridge Water and Sewer Improvements Sewage Pumping Station for Basin A

Contract No.: CICC7360-0/08

Estimate Amount: $718,717.40

**Federal Funds: US Environmental Protection Agency**

Account Funds: WASD Water Revenue O & M Activity # S048506

**RECOMMENDATION**
**CWP Goal: 11.5% ; DBE Goal: 9.4%**

Analysis for Recommendation

| Item | Description | Estimated Cost | % of Item to Base Bid | CSBE Availability |
|---|---|---|---|---|
| 1. | The project consists of furnishing all materials, labor and equipment necessary for building, testing, starting-up and adjusting a submersible sewage pump station for Perrine Cutler Ridge Basin A | $579,957.40 | 80% | |
| 2. | Electrical Portion | $144,760.00 | 20% | |
| | TOTAL | $718,717.40 | 100% | |

11-22-11
Department Head or Authorized Agent

RPQ# P0074

# 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.:** P0074
*Reference corresponding project number when submitting a work order

**Contract/Project Title:** Perrine-Cutler Ridge Water and Sewer Improvements Sewage Pumping Station for Basin A

**Description/Scope of Work:** The project consists of furnishing all materials, labor and equipment necessary for building, testing, starting-up and adjusting a submersible sewage pump station for Perrine ¬Cutler Ridge Basin A

**Estimated Cost:** 718717 **Funding Source:** Federal funds

**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.
**Stae Road 5 / US-1 NB and SW 170th Street, Perrine, FL**

## 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 |
|---|---|---|
| Mechanical | 2 | 150 |
| Electrical | 1 | 60 |
| Landscaping and Fencing | 2 | 10 |

Comments:_____

## PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment ☐

| Sub-Trade | Est. Cost | % of Item to Base Bid | Availability |
|---|---|---|---|
| 0 | $ | 0% | |
| 0 | $ | 0% | |
| 0 | $ | 0% | |

## RECOMMENDATION

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

**Basis for Recommendation:** Federal Funded Project - US EPA Grant

**Date submitted to DBD:** 11/10/2011
**Contact Person:** Cristian Garcia
**Telephone No.:** 786-552-8216

Project Description:
Perrine-Cutler Ridge Water and Sewer Improvements Sewage Pumping Station for Basin A

Justification:

The project consists of furnishing all materials, labor and equipment necessary for building, testing, starting-up and adjusting a submersible sewage pump station for Perrine Cutler Ridge Basin A, including but not limited to, demolition and modification to existing site conditions, removal of trees; furnishing and installing a ten foot (10') diameter wet well structure approximately twenty-three feet (23') deep; furnishing and installing a valve vault, furnishing and installing pipes, furnishing and installing the proposed 47 horsepower submersible pumps; fittings and valves as required valves and fittings for the discharge force main; furnishing and installing sump pump discharge pipes; furnishing and installing sump pump; furnishing and installing the proposed wet well top slab; furnishing and installing access hatches; furnishing and installing ATS, furnishing and installing the control panel, RTU unit; furnishing and installing main disconnect switch, motor connection box; furnishing and installation of a diesel fuel tank and black steel pipes; constructing fuel tank slab; furnishing and installing the proposed electrical and control system inclusive of the necessary electrical wiring, conduits; wiring to control panel; furnishing and installing a 180 kW generator; construction of a generator building. The project also includes traffic control; replacing grass, sidewalk, pavement or driveway damaged by construction; construction of sidewalk and fence; cutting, patching and restoration of existing surfaces to match surrounding areas; sodding to be restored as required; electrical work; mechanical work and other appurtenant and miscellaneous items and work for a complete, satisfactory and functional installation.

Project location is on southwest corner of State Road 5 / US-1 NB and SW 170th Street in the city of Perrine, in Miami-Dade County, Florida. The property is FOOT Parcel No. 4470, and is an easement for Sanitary Lift Station in Section 33, Township 55 South, and Range 40 East.

It is the intent of the Department to obtain a complete functional, and satisfactory installation under this Contract, and any items of labor, equipment or materials which may reasonably be assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the Plans or stated herein.

#P0074

# CONSTRUCTION COST ESTIMATE

**Perrine - Cutler Ridge Water and Sewer Improvements**
**Proposed Pump Station- BASIN A**
**OCI- Project No. E05-WASD-12**
**Contract Number: S-048506**

A&P CONSULTING TRANSPORTATION ENGINEERS
10305 NW 41ST STREET - SUITE 115 - MIAMI, FL 33178
(305)592-7283 / FAX(305)593-1594
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| ITEM | DESCRIPTION | UNITS | UNIT PRICE | QUANTITY | COST |
|---|---|---|---|---|---|
| **ITEMS 1 & 2: FURNISH AND INSTALL PUMP STATION (BASIN A)** | | | | | |
| 1 | MOBILIZATION | LS | | 1 | $ 56,815.61 |
| 2 | ELECTRIC SUBMERSIBLE PUMPS WITH ELECTRIC MOTOR, CAST IRON HOUSING, SUBMERSIBLE WATER-PROOF CABLES | EA. | $ 34,650.00 | 2 | $ 69,300.00 |
| 3 | WS-4.11 W/ 3/4" BACK FLOW PREVENTOR AND 3/4 HOSE BIBB. | EA. | $ 3,696.00 | 1 | $ 3,696.00 |
| 4 | CAST IN PLACE WET WELL AND VALVE PIT, INCLUDING ACCESS HATCHES, VENTS, ETC. | EA. | $308,000.00 | 1 | $ 308,000.00 |
| 5 | 12" SAN & FM (INCLUDING FITTINGS) | LF. | $ 65.45 | 85 | $ 5,563.25 |
| 6 | GALVANIZED STEEL FRAME TO ACCOMMODATE THE METER CAN, MAIN DISCONNECT, THE TVSS AND THE CONTROL PANEL. DIMENSIONS TO BE DETERMINED ACCORDING TO EQUIPMENT. USE "B-LINE" OR EQUAL. * | EA. | $ 4,235.00 | 1 | $ 4,235.00 |
| 7 | CONTROL PANEL IN NEMA 4X ENCLOSURE, INCLUDING MOUNTING HARDWARE, FLOAT SWITCHES AND ALL FEATURES DESCRIBED ON DRAWINGS. REFER TO NOTES AND SEQUENCES OF OPERATION ON THE ELECTRICAL RISER DIAGRAM SHEET. | EA. | $ 30,800.00 | 1 | $ 30,800.00 |
| 8 | MISCELLANEOUS ELECTRICAL | LS. | $ 7,700.00 | 1 | $ 7,700.00 |
| 9 | ELECTRIC GENERATOR | LS. | $ 40,810.00 | 1 | $ 40,810.00 |
| 10 | ELECTRIC GENERATOR ROOM | LS. | $ 65,450.00 | 1 | $ 65,450.00 |
| 11 | FUELING TANK AND FUEL PIPES | LS. | $ 23,100.00 | 1 | $ 23,100.00 |
| 12 | ASPHALT DRIVEWAY | SY. | $ 46.20 | 70 | $ 3,234.00 |
| 13 | SOD | SY. | $ 11.55 | 200 | $ 2,310.00 |
| 14 | 6" LIMEROCK BASE | SY. | $ 6.16 | 130 | $ 800.80 |
| 15 | 6' HIGH CHAIN LINK FENCE | LF | $ 6.16 | 200 | $ 1,232.00 |
| 16 | 12' DOUBLE SWING GATE | EA. | $ 1,925.00 | 1 | $ 1,925.00 |
| | SUB-TOTAL | | | | $ 624,971.66 |
| **ITEM 3: SUB-TOTALS** | | | | | $ 624,971.66 |
| **ITEM 4: DEDICATED ALLOWANCE (5%)** | | | | | $ 31,248.58 |
| **ITEM 5: CONTINGENCY ALLOWANCE (10%)** | | | | | $ 62,497.17 |
| GRAND TOTAL | | | | | $ 718,717.40 |

*At the option of the Contractor, a Stainless Steel Frame may be used in lieu of Galvanized Steel