

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.: RPO #15R014

*Reference corresponding project number when submitting a work order

Contract/Project Title: Resources Recovery Cell 19 Closure

Description/Scope of Work: Closure of Cell 19 at Resources Recovery Facility (RRF) located at NW 69 Street and NW 97 Avenue

Estimated Cost: \$2.2 Million

Funding Source: Proprietary Capital 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.
6990 NW 97th Avenue, Miami, FL 33178

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

Comments: _____

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
Sod Installation	\$141,750	6.44%	Yes

RECOMMENDATION

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

Basis for Recommendation: The sub-contractor goal is for sod installation only. The remainder of the work that shall be performed is very specialized.

Date submitted to DBD: January 15, 2016

Contact Person: Olga Espinosa-Anderson

Telephone No.: 305 514-6730

Memorandum



Date: January 15, 2016

To: Gary Hartsfield, Division Director
Small Business Development Division
Internal Services Department

From: Olga Espinosa-Anderson, MPA, CPPB
Procurement and Contracts Management Division Director
Public Works and Waste Management Department

Subject: Contract/Project Measure Analysis and Recommendation

A handwritten signature in black ink, appearing to read "Olga Espinosa-Anderson", written over the printed name in the "From:" field.

CONTRACT INFORMATION:

Contract Type: MCC 7360: Multiple Trades: General Contractor, Building Contractor, and General Engineer

Request for Price
Quotation (RPQ) No.: RPQ #15R014

RPQ Title: Resources Recovery Cell 19 Closure

Re-Submittal: No

Florida Department of Environmental Protection (FDEP) Chapter 62-701.600 (Final Landfill Closure) – General Building Contractor

Estimated Project Cost: \$ 2,200,000

Funding Source: Proprietary

Bond Requirements: Bid Bond – 5% of base bid amount
Performance Bond – 100% of Contract Award Amount

Method of Award: Lump Sum

PROJECT INFORMATION:

Scope of Work:

The work consists of obtaining all permits and furnishing materials, labor, services, supervision, tools and all other items necessary for closure of Cell 19 at Resources Recovery Facility (RRF) located at NW 69th Street and 97th Avenue in Miami-Dade County, Florida. Closure of the cell consists, but is not limited to procuring, installing and testing all layers of the cover system. The closure also includes installation of the storm-water drainage system.

Cell 19 is a ten (10) acre ash monofill cell, of which approximately 7.2 acres will be closed under this project. It is located to the north of Cell 18 and to the south of Cell 20. The majority of Cell 19 is no longer being actively utilized; however, ash is still being placed on the north face of Cell 19. The Contractor should be aware that this is an active landfill facility and that the Work shall be scheduled so as to continuously maintain landfill operations, and shall not unduly restrict landfill access or circulation.

The final cover will consist of the following layers from bottom to top as depicted in the Construction Drawings prepared by Kimley-Horn and Associates:

- 6-inch Foundation Soil Layer
- Textured LLDPE Geomembrane
- Geocomposite Drainage Layer
- 18-inch Protective Soil Layer
- 6-inch Topsoil and Vegetative Layer (Topsoil and Sod)

The Contractor shall be responsible for the successful and complete construction of the landfill cover system in accordance with the Construction Drawings and Technical Specifications. The Contractor shall be responsible for obtaining the services of an independent qualified testing firm. The Contractor shall be responsible for the work of his Subcontractors and for coordination of all project activities.

The work of this Contract requires highly specialized skills in both the manufacture and installation of the landfill cover components. Consequently, there is a need to establish continuity of responsibility and quality control of both manufacturing and installation. Therefore, the following is required under this contract and any deviation from these requirements must have prior written approval from the Owner.

The Geomembrane Manufacturer/Installer shall also install all other geosynthetic materials specified and shall have responsibility for assuring quality workmanship for all geosynthetic materials installed as components of the landfill cover system.

The Geomembrane Manufacturer shall install the LLDPE geomembrane as a direct subcontractor to the Contractor, using his own crews or crews certified by the Geomembrane Manufacturer to install the LLDPE geomembrane provided.

Contractor's Technical and Experience Requirements:

1. The Contractor shall have a minimum of five (5) years of experience in landfill projects involving construction of stormwater drainage improvements, installation of geosynthetic liner or cover systems.
2. The Contractor must have experience on at least two (2) previous landfill projects in Florida of a type and magnitude similar to closure of Cell 19 at the RRF.

RECOMMENDATION:

Areas for Possible Measures:

Areas recommended for SBE Construction Subcontractor Goal: 6.44%

Contract Measure Recommendation:

No Measure

Set-Aside

Level I Level II Level III

Trade Set-Aside

- Aggregate Set-Aside:
- SBE Construction Subcontractor Goal
- CWP:
- DBE Subcontractor Goal

Reason for Recommendation:

In accordance with the Code, attached please find the cost estimate. We are recommending a SBE Construction Subcontractor Goal of 6.44% based on the information provided in the attached project cost estimate.

SBE Construction Prime History of Similar Contracts/Projects for Previous Five Years:
None

Scope of Work History Summary Subcontracting Opportunities: None

Similar Projects Previously Submitted for SBD Action: None

SBE Construction Goal/Project No./Amount Achieved: None

Memorandum



Date: January 15, 2016

To: Gary Hartsfield, Division Director
Small Business Development Division
Internal Services Department

From: Olga Espinosa-Anderson, MPA, CPPB
Procurement and Contracts Management Division Director
Public Works and Waste Management Department

Subject: Notice of Construction Project:
Miscellaneous Construction Contract (MCC) Program
MCC 7360 Plan – CICC 7360-0/08
RPQ #15R014

RECOMMENDATION:

The Public Works and Waste Management Department's (PWWM) staff completed a review of Request for Price Quotation (RPQ) number 15R014 for the Resources Recovery Cell 19 Closure in accordance with the applicable provisions of Implementing Order 3-22 and recommend a Small Business Enterprise Construction (SBE - Construction) measure goal of 6.44%.

Scope of Work:	Closure of 7.2 Acres of the Resources Recovery Cell 19, which is an ash monofill cell
Engineer Project Base Cost Estimate:	\$ 2,200,000
CSBE Measure/Set Aside:	\$ 141,750.00
CWP:	N/A

BACKGROUND:

Cell 19 is a ten (10) acre ash monofill cell, of which approximately 7.2 acres will be closed under this project. It is located to the north of Cell 18 and to the south of Cell 20. The majority of Cell 19 is no longer being actively utilized; however, ash is still being placed on the north face of Cell 19. The Contractor should be aware that this is an active landfill facility and that the Work shall be scheduled so as to continuously maintain landfill operations, and shall not unduly restrict landfill access or circulation

If additional information is needed, please contact me at (305) 514-6730 or Luis Moreno at 305 318-8185.

c: Asok Ganguli, Assistant Director, PWWM
Grecia Posada-Enriquez, Engineer 3, PWWM
Luis Moreno, Construction Manager 3, PWWM
Brenda Reyes-Osorno, Engineer 2, PWWM
Patricia Cicero, Construction Manger 2, PWWM
Laurie Johnson, SPEE Manager, ISD
Eddy Etienne, Construction Project Manager, ISD

ESTIMATED COST FOR CELL 19 CLOSURE

ITEM NUMBER	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
1	6-inch Limerock Foundation Soil Layer	5833	CY	27.60	\$160,991
2	40-mil Textured LLDPE	35000	SY	5.37	\$187,950
3	300-mil Geocomposite Drainage Material	35000	SY	9.30	\$325,500
4	18-inch Protective Cover Soil Layer	17500	CY	27.60	\$483,000
5	4-inch Topsoil Layer	5833	CY	41.10	\$239,736
6	Sod	35000	SY	4.05	\$141,750
7	Rip Rap	600	SY	101.00	\$60,600
8	Bench Terrace Drainage Inlet Structures	2	Ea	8040.57	\$16,081
9	Energy Dissipators	2	Ea	11393.00	\$22,786
10	HDPE Toe Drains	1700	LF	92.64	\$157,488
11	18-inch Corrugated HDPE Drain Pipe	860	LF	141.00	\$121,260
12	Miscellaneous Limerock Work (Access Roads, etc.)	1000	CY	29.76	\$29,760
				SUBTOTAL	\$1,946,902
	MOBILIZATION	LS	8%		\$155,752
	BOND	LS	3%		\$58,407
	INSURANCE	LS	2%		38,938
				TOTAL	\$2,200,000