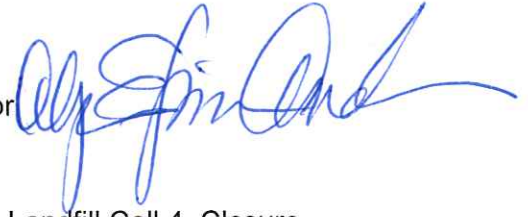


Date: August 2, 2017

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

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

Subject: Measures for Project No. E17-DSWM-02 – South Dade Landfill Cell 4 Closure



The Department of Solid Waste Management (DSWM) is preparing to solicit for Professional Engineering Services for project number E17-DSWM-02, South Dade Landfill Cell 4 Closure. We are asking Small Business Development to review the scope of work below and advise which Architect/Engineer Community Business Enterprise (CBE-A/E) measures would be appropriate to this contract under Implementing Order 3-32, if any.

The contract has a term of three (3) years and an estimated value of \$2,860,000 that includes a contingency of \$260,000.

The subject agreement is for the provision of professional services that include design and permitting of the Cell 4 closure, provision of construction phase services, and provision of the Final Closure Certification Report.

BACKGROUND:

The South Dade Landfill (SDLF) is a 320-acre Class 1 municipal solid waste (MSW) facility owned and operated by DSWM. The SDLF consists of five cells designated as Cells 1 through 5. Cells 1 and 2 have approximately 60 acres of combined footprint area and are closed. The 50-acre Cell 3 is also closed and the 50-acre Cell 4 is currently active and receiving Class 1 waste, but reaching its maximum capacity. Cell 5 is under construction and occupies approximately 45 acres of waste disposal area or a total of 50 acres, including the storm water management system.

SCOPE OF WORK:

The design and permitting services will include, but are not limited to, the following:

- Landfill cell closure plan, including closure design plan, closure operation plan, long-term care plan and long-term care financing assurance;
- Obtainment of landfill closure permits required of Miami-Dade County by pertinent regulators or agencies with jurisdiction;
- Surveys;
- Design of:
 - Multilayer Cell cover, including bedding layer, geosynthetic fabric and membrane liners, protective soil layer and vegetative soil layer;
 - Gas collection and control system, including wells, well casings and heads, pump assemblies, piping, piping trenches, connection to existing active landfill gas collection and control system, and condensate management system, including compressed air delivery system and condensate sumps;
 - Any necessary upgrades to the flare station;
 - Leachate collection and drainage system, including wells, well casings and heads, compressed air assemblies and piping, leachate collection piping, piping trenches and connection to existing active landfill leachate collection and drainage system;

- Stormwater collection system, including drainage inlet structures, piping, pipe trenches and pipe restraints, down chutes, energy dissipators and swales;
- Corresponding sections of the landfill perimeter road.

The construction services will include, but are not limited to, the following:

- Assist DSWM during the bidding and award recommendation process;
- Assist DSWM in managing and supervising the construction process;
- Measure quantities for payments;
- Monitor all construction activities;
- Provide Quality Assurance and Quality Control of the final cover system, to meet requirements of subsections 62-701.400(7) and (8), F.A.C.;
- Provide inspection, witnessing of critical activities, approval of testing and analyses results/reports that may be necessary to certify conformance with required acceptance criteria for all construction and installations, to include but not limited to installation of gas management and or/ other monitoring systems, tie-in and modifications to flare station, and installation of soil layers;
- Review and approve shop drawings;
- Produce as built drawings;
- Respond to requests for information (RFI) from the Contractor and evaluate and disposition conditions deviating from or non-conforming with original design;
- Generate progress, quality and other reports;
- Prepare Certification Report at completion of project, per subsection 62-701.400(7) of FAC.

EXPERIENCE:

The prime consultant will be required to have at least five (5) years of experience in landfill closure design. Technical Certification Categories susceptible to be considered for CBE-A/E Measures are as follows:

Prime only	7.00	SOLID WASTE COLLECTION AND DISPOSAL SYSTEMS.
Prime or other	6.01	WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION.
	10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES.
	12.00	GENERAL MECHANICAL ENGINEERING.
	13.00	GENERAL ELECTRICAL ENGINEERING.
	15.01	SURVEYING AND MAPPING - LAND SURVEYING.
	16.00	GENERAL CIVIL ENGINEERING.
	17.00	ENGINEERING CONSTRUCTION MANAGEMENT.

Thank you for your assistance with this matter. If you have any questions, please free to contact me at (305) 514-6730.

c: Laurie Johnson, Section Chief, ISD, SBD
Paul Mauriello, Waste Operations Deputy Director, DSWM
Leonard Enriquez, Technical Services Assistant Director, DSWM
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