

MEMORANDUM



Date: April 24, 2007
To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners
From: George M. Burgess
County Manager
Subject: Request to Advertise for Design Services for Cell 3 and Cell 5 - Project No: E06-SWM-01 GOB 14-70116; Contract No: E06-SWM-01

Agenda Item No. 9(A)21A

Recommendation

This Request to Initiate and Advertise for a Consultant Selection for Contract No: E06-SWM-01 has been prepared by the Solid Waste Management Department and is recommended for approval.

Scope

PROJECT NAME: Design Services for Cell 3 and Cell 5

PROJECT NO: E06-SWM-01 GOB 14-70116

CONTRACT NO: E06-SWM-01

PROJECT DESCRIPTION: The scope of work will specifically require design engineering services for the design of a new landfill cell at the South Dade Landfill (Cell 5) as well as construction phase services during the closure construction of South Dade Landfill Cell 3, and during the construction and certification of South Dade Landfill Cell 5. The scope of work for the consulting firm during the design engineering service will include:

Surveys

Data collection

Landfill cell design using liner systems conforming with Chapter 62.701 F.A.C.

Leachate collection system design

Gas extraction system design

Permitting services For USEPA, FDEP, DERM and other required regulators

Construction phase services will include:

- Assist DSWM during the Bidding & Award Recommendation process;
- Assist DSWM in managing the construction process;
- Assist DSWM measuring quantities for payment;
- Monitor all construction activities;
- Attend weekly construction meetings;
- Provide Quality Assurance and Quality Control of the liner system;
- Monitor and testing during installation of gas extraction wells;
- Provide testing during installation of the soil layers;
- Review and approve shop drawings;
- Respond to requests for information (RFI) from the Contractor;
- Generate reports
- Assist in preparing Certification Report at completion of project

PROJECT LOCATION: 23707 SW 97 Avenue Miami, FL

PROJECT SITES: LOCATION / DIST ESTIMATE T-S-R

#70116- 24000 SW 97TH AVE 8 \$1,000,000.00 56-21-40

PRIMARY COMMISSION DISTRICT: District 8 Katy Sorenson
APPROVAL PATH: Board of County Commissioners
OCI A&E PROJECT NUMBER: E06-SWM-01
USING DEPARTMENT: Solid Waste Management Department
MANAGING DEPARTMENT: Solid Waste Management Department

Fiscal Impact / Funding Source

FUNDING SOURCE: Building Better Communities General Obligation Bonds, Waste Disposal Notes/Bonds, and/or Solid Waste System Revenue Bonds.

PTP FUNDING: No

GOB FUNDING: Yes

GOB PROJECT:	<u>GOB PROJECT / DESCRIPTION</u>	<u>GOB ALLOCATION</u>
	14-GOB - South Dade Disposal Facility Cell 5 Construction	\$1,000,000.00

CAPITAL BUDGET PROJECTS:	<u>BUDGET PROJECT / DESCRIPTION</u>	<u>RTA ESTIMATE</u>
	5050321-SOUTH MIAMI-DADE LANDFILL CELL 3 CLOSURE Book Page: 298 Funding Year: 2007-08	\$52,000.00
	5050321-SOUTH MIAMI-DADE LANDFILL CELL 3 CLOSURE Book Page: 298 Funding Year: 2008-09	\$550,000.00
	5050321-SOUTH MIAMI-DADE LANDFILL CELL 3 CLOSURE Book Page: 298 Funding Year: Prior Years Funding	\$1,933,000.00
	505480-SOUTH MIAMI-DADE LANDFILL CELL 5 CONSTRUCTION Book Page: 291 Funding Year: Future Funding	\$2,855,000.00
	Project Totals:	\$5,390,000.00

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS: Pursuant to the Department of Solid Waste Management's Capital Plan and concurrency requirements, closure of Cell 3 and construction of Cell 5 of the South Dade Landfill will be occurring over the next few years. Design services are required to produce plans for these construction projects.

	<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
	Prime	7.00	SOLID WASTE COLLECTION AND DISPOSAL SYSTEMS
	Other	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES

Other 15.01 SURVEYING AND MAPPING - LAND SURVEYING

Other 17.00 ENGINEERING CONSTRUCTION MANAGEMENT

ESTIMATED CONTRACT PERIOD: 2190 Four (4) years plus a two-year option to renew for all professional services requested during the initial term which equals six (6) years. The two-year option is based solely on the approval of the County Manager.

ESTIMATED CONTINGENCY PERIOD: 146

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES: No

BASE ESTIMATE: \$4,900,000.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	PSA	10%	\$490,000.00	

TOTAL DEDICATED ALLOWANCE: \$0.00

COST ESTIMATE: \$5,390,000.00

Track Record / Monitor

EXPLANATION: Conduct Engineering services for the South Dade Landfill Cell 3 Closure and the Cell 5 Design and construction

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes The firm shall have the engineering experience in the field of municipal solid waste management

REVIEW COMMITTEE: **MEETING DATE:** 12/20/2006 **SIGNOFF DATE:** 1/8/2007

RESPONSIBLE WAGES: N/A

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:	MEASURE	GOAL	COMMENT
	CBE	36.00%	
	CWF	0.00%	Not Applicable

MANDATORY CLEARING HOUSE: No

CONTRACT MANAGER NAME/PHONE/EMAIL: Lee Casey (305) 514-6672 le1@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL: Robert Menge (305) 514-6787 mmenge@miamidade.gov

Background

BACKGROUND: Pursuant to the Department of Solid Waste Management's Capital Plan and concurrency requirements, closure of Cell 3 and construction of Cell 5 of the

South Dade Landfill will be occurring over the next few years. Design services are required to produce plans for these construction projects.

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 Hernandez Engineer 2	2001	Male/Hispanic	Bachelor of Science Engineering	P.E.,E.C.
Robert Menge Administrative Officer 3	2002	Male/Hispanic	Bachelor of Arts Chemistry, Bachelors of Science Biology, Masters in Public Administration.	

BUDGET APPROVAL FUNDS AVAILABLE:

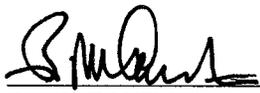

OSBM DIRECTOR

2-28-07
DATE

APPROVED AS TO LEGAL SUFFICIENCY:

COUNTY ATTORNEY

DATE


ASSISTANT COUNTY MANAGER

3/1/07
DATE

STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services
DEPARTMENT: Solid Waste Management

***** FUNDED PROJECTS *****
(dollars in thousands)

SOUTH MIAMI-DADE HOME CHEMICAL COLLECTION CENTER

PROJECT # 502730

DESCRIPTION: Construct a center for residents to dispose of home chemicals safely

LOCATION: 24000 SW 97 Ave

Unincorporated Miami-Dade County

DISTRICT LOCATED: 8

DISTRICT(s) SERVED: 8, 9

ESTIMATED ANNUAL OPERATING IMPACT: \$244

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Waste Disposal Operating Fund	275	50	0	0	0	0	0	0	325

TOTAL REVENUE:	275	50	0	0	0	0	0	0	325
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EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	90	0	0	0	0	0	0	0	90
Construction	170	45	0	0	0	0	0	0	215
Project Contingency	15	5	0	0	0	0	0	0	20

TOTAL EXPENDITURES:	275	50	0	0	0	0	0	0	325
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SOUTH MIAMI-DADE LANDFILL CELL 5 CONSTRUCTION

PROJECT # 505480

DESCRIPTION: Construct landfill cell construction per Federal Department of Environmental Protection regulations

LOCATION: 24000 SW 97 Ave

Unincorporated Miami-Dade County

DISTRICT LOCATED: 8

DISTRICT(s) SERVED: Countywide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Waste Disposal Operating Fund	0	0	0	0	0	0	1,200	465	1,665
Building Better Communities GOB Program	0	0	0	0	0	0	0	11,250	11,250

TOTAL REVENUE:	0	0	0	0	0	0	1,200	11,715	12,915
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EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	0	0	0	0	0	1,150	0	1,150
Construction	0	0	0	0	0	0	0	10,965	10,965
Construction Contingency	0	0	0	0	0	0	50	750	800

TOTAL EXPENDITURES:	0	0	0	0	0	0	1,200	11,715	12,915
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STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services
DEPARTMENT: Solid Waste Management

******* FUNDED PROJECTS *******
(dollars in thousands)

SOUTH MIAMI-DADE LANDFILL CELL 3 CLOSURE

PROJECT # 5050321

DESCRIPTION: Close filled landfill cell including top and side slope liner installation, gas extraction, and landscaping per Federal Department of Environmental Protection regulations

LOCATION: 24000 SW 97 Ave

Unincorporated Miami-Dade County

DISTRICT LOCATED: 8

DISTRICT(s) SERVED: Countywide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Waste Disposal Operating Fund	0	0	52	550	0	0	0	0	602
Bond Anticipation Notes	348	0	0	0	0	0	0	0	348
Solid Waste System Rev. Bonds 1998	45	0	0	0	0	0	0	0	45
Solid Waste System Rev. Bonds Series 2001	3,647	0	0	0	0	0	0	0	3,647
Solid Waste System Revenue Bonds, Series 2005	6,708	0	0	0	0	0	0	0	6,708
TOTAL REVENUE:	10,748	0	52	550	0	0	0	0	11,350
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	550	0	0	0	0	0	0	0	550
Construction	2,887	3,860	2,800	500	0	0	0	0	10,047
Project Contingency	163	240	300	50	0	0	0	0	753
TOTAL EXPENDITURES:	3,600	4,100	3,100	550	0	0	0	0	11,350

SOUTH MIAMI-DADE LANDFILL CELL 4 CLOSURE

PROJECT # 504370

DESCRIPTION: Close this cell per Federal Department of Environmental Protection regulations

LOCATION: 24000 SW 97 Ave

Unincorporated Miami-Dade County

DISTRICT LOCATED: 8

DISTRICT(s) SERVED: Countywide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Waste Disposal Operating Fund	0	0	0	0	0	0	0	99	99
Future Solid Waste Disp. Notes/Bonds	0	0	0	0	0	0	0	13,301	13,301
TOTAL REVENUE:	0	0	0	0	0	0	0	13,400	13,400
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	0	0	0	0	0	0	1,400	1,400
Construction	0	0	0	0	0	0	0	11,300	11,300
Construction Contingency	0	0	0	0	0	0	0	700	700
TOTAL EXPENDITURES:	0	0	0	0	0	0	0	13,400	13,400



Dept. of Business Development
Project Worksheet

Project/Contract Title: PROFESSIONAL CONSULTING ENGINEERING SERVICES (SIC 871) RC Date: 12/20/2006
Project/Contract No: E06-SWM-01 Funding Source: Item No: 1-01
Department: SOLID WASTE MANAGEMENT VARIOUS
Estimated Cost of Project/Bid: \$3,900,000.00 Resubmittal Date(s):

Description of Project/Bid: TO ESTABLISH A CONTRACT TO EMPLOY A CONSULTANT TO PROVIDE DESIGN ENGINEERING SERVICES FOR THE DESIGN OF A NEW LANDFILL CELL AT THE SOUTH DADE LANDFILL (CELL 5). ADDITIONALLY, THEY WILL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION PHASE SERVICES DURING THE CLOSURE CONSTRUCTION OF SOUTH DADE LANDFILL CELL 3 AND THE CONSTRUCTION AND CERTIFICATION OF THE SOUTH DADE LANDFILL (CELL 5).

Table with 3 columns: Measure, Program, Goal Percent. Row 1: Goal, CBE, 35.51%

Reasons for Recommendation

This project meets all the criteria set forth in A.O. 3-32, Section V
Funding Sources: Future Solid Waste Disposal Notes/Bonds, Bond Anticipation Notes, and Solid Waste Revenue Bonds.
SIC 871 - Architectural and Engineering Services

Analysis for Recommendation of a Goal

Table with 5 columns: Subtrade, Cat., Estimated Value, % of Items to Base Bid, Availability. Rows include SURVEYING AND MAPPING-LAND SURVEYING, ENGINEERING CONSTRUCTION MANAGEMENT, GEOTECHNICAL & MATERIALS ENGINEERING SERVICES, and a Total row.

Living Wages: YES [] NO [X]
Responsible Wages: YES [] NO [X]

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside
Set Aside Level 1 Level 2 Level 3
Trade Set Aside (MCC) Goal 36% Bid Preference
No Measure Deferred Selection Factor
Chairperson, Review Committee Date 12-20-06 County Manager Date 1/8/07