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From:

# Memorandum



July 30, 2013

Jack Osterholt, Deputy Mayor/Director  
Regulatory and Economic Resources

Bill Johnson, Director  
PortMiami

**Subject:** Recommendation for Non-exclusive Professional Services Agreement for Marine Infrastructure Engineering Services, Contract No. E13-SEA-03, Project No. 2013-024

Your assistance in reviewing this request and forwarding the attached recommendation to the Division of Small Business Development (SBD) for consideration is respectfully requested. It is recommended that SBD review the attached request for Community Business Enterprise (CBE) measures for this project, in order to proceed with the advertisement and subsequent bidding of the project.

**Professional Services Agreement (PSA) for Marine Infrastructure Engineering Services:** The Consultant shall provide marine engineering inspection, evaluation, design, and design criteria services for the construction, repair and rehabilitation, removal and replacement and new construction of PortMiami's Marine Infrastructure. Services include, but are not limited to: wharves; bulkheads; seawalls; roll-on/roll-off platforms; pile supported gantry crane rail beams tie-downs, and stow pin sockets; shoreline protection revetments; dredging; corrosion protection; floating and fixed docks; offshore mooring and breasting dolphins; container yard improvements; and other cruise and cargo vessel berthing improvements. In addition, services shall include all ancillary marine infrastructure, such as moorings and bollards; fenders; runways and railways; ramps and aprons; cold-iron connections; as well as, marine terminal yard upgrades; including intermodal yard, transaction/security gate, gantry system and passenger cruise boarding bridge infrastructure, in support of the containerized cargo vessels and cruise passenger ship growth at *PORTMIAMI*.

The Consultant shall provide all services inclusive of: surface and underground investigations and inspections; subsurface drilling and geotechnical investigations; materials sampling and testing; condition assessments, evaluations and analysis; marine (biological) resources surveys; topographic and bathymetric surveys; berthing studies and mooring analysis; technical presentations and reports; design criteria; designs and specifications; drainage, structural, electrical, telecommunications, and water distribution engineering; cost estimates; schedules; value engineering coordination; construction documents; environmental and building permitting; coordination with regulatory agencies; bidding assistance; and construction phase engineering and inspection services, which include, but are not limited to the review of shop drawings, proposed substitutions, contractor's pay requests, change order analysis, and claims assistance; and any supportive ancillary tasks to successfully complete all the phases of the project.

At the request of the Port, the Consultant shall respond, on short notice, to unforeseen events including but not limited to: berthing and cargo handling accidents; hurricane and other weather related events that would necessitate the urgent production of marine infrastructure damage assessment reports;

including the development of emergency repair plans, specifications, cost estimates and regulatory agency notification and coordination.

A/E Technical Certification Categories required:

TC No.	Description	Percentage	Amount
5.05	Port and Waterway Systems – Cargo Terminal Design (Prime)	25%	\$ 825,000.00
5.08	Port and Waterway Systems - Marine Engineering Design (Prime)	50%	\$1,650,000.00
5.04	Port and Waterway Systems - Cruise Terminal Equipment Design	3%	\$ 99,000.00
<b>5.09</b>	<b>Port and Waterway Systems - Environmental Design</b>	<b>5%</b>	<b>\$ 165,000.00</b>
<b>6.01</b>	<b>Water Distribution and Sanitary Sewage Collection and Transmission Systems</b>	<b>1%</b>	<b>\$ 33,000.00</b>
<b>8.00</b>	<b>Telecommunication Systems</b>	<b>2%</b>	<b>\$ 66,000.00</b>
<b>9.01</b>	<b>Drilling, Subsurface Investigations and Seismographic Services</b>	<b>2%</b>	<b>\$ 66,000.00</b>
<b>9.02</b>	<b>Geotechnical and Materials Engineering Services</b>	<b>3%</b>	<b>\$ 99,000.00</b>
<b>10.01</b>	<b>Stormwater Drainage Design Engineering Services</b>	<b>3%</b>	<b>\$ 99,000.00</b>
<b>13.00</b>	<b>General Electrical Engineering</b>	<b>2%</b>	<b>\$ 66,000.00</b>
<b>15.01</b>	<b>Land Surveying</b>	<b>2%</b>	<b>\$ 66,000.00</b>
<b>17.00</b>	<b>Engineering Construction Management</b>	<b>2%</b>	<b>\$ 66,000.00</b>
<b>Total Estimated Engineering Fees</b>		<b>100%</b>	<b>\$3,300,000.00</b>

The prime consultant must hold Technical Certifications 5.05 - Port and Waterway Systems – Cargo Terminal Design and 5.08 – Port and Waterway Systems – Marine Engineering Design. Interested Professional Firms (Consultants) shall be certified by Miami-Dade County at the time of qualifications submittal in the Technical Certification Categories identified above. The Prime Consultant must demonstrate experience in five (5) projects performed in the State of Florida over the past ten (10) years of similar work as described above. The expertise must be met by a qualified individual(s) of the prime firm. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level or above. The determination for the individual's qualifications and compliance with the experience and qualifications shall be at the sole discretion of the County.

**In addition, the prime consultant and/or subconsultants selected for award of this solicitation will not be considered for any design-build projects, for which design criteria specifications are developed for PortMiami under this Agreement.**

**PortMiami will select two (2) consultant teams via two (2) separate Notices to Professional Consultants. The schedule for selection of a consulting team and subsequent award of a PSA**

Jack Osterholt  
Deputy Mayor/Director  
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**under ISD Project No. E13-SEA-03 will precede the selection of a consulting team and subsequent award of a PSA under ISD Project No. E13-SEA-04. The Prime Consultant and/or subconsultants selected for award of a PSA under ISD Project No. E13-SEA-03 will not be considered for award of a PSA under ISD Project No. E13-SEA-04.**

**Prime and sub-consultants selected for PSAs under ISD Project No. E11-SEA-03, Program Management Consultant Services, and ISD Project No. E09-SEA-02, Bond Engineering Services, will not be considered for award of a PSA under ISD Project Nos. E13-SEA-03 and E13-SEA-04.**

The CBE Goal recommendation is **22.00%**. The Agreement will be in the approximate amount of \$3,300,000.00, which includes the 10% contingency, and shall remain in effect for a total of three (3) years with two (2), one-year options to extend. Should you have any questions, please feel free to contact Mrs. Isa Nunez, P.E., Chief of Engineering Services at (305) 347-4034.

Attachments

**DEPARTMENTAL INPUT  
CONTRACT/PROJECT MEASURE ANALYSIS AND  
RECOMMENDATION**

Contract/Project Title Marine Infrastructure Engineering Services  
 Contract/Project No. E13-SEA-03 / 2013-024  
 Description See attached Scope of Work  
 Department Seaport Contact Isa Nunez Phone (305) 347-4034  
 Estimated Cost 1 Agreement for \$3,300,000.00 Funding Source Seaport Loans

**ANALYSIS**

Commodity/Service No. \_\_\_\_\_ SIC \_\_\_\_\_

Trade/Commodity/Service Opportunities

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Contract/Project History of Previous Purchases for Previous Three (3) years

Check Here  if this is a New Contract/Purchase with Previous History

	<u>Existing</u>	<u>2<sup>nd</sup> Year</u>	<u>1<sup>st</sup> Year</u>
Contractor _____	_____	_____	_____
Ethnicity/Race _____	_____	_____	_____
Gender _____	_____	_____	_____
Contract Value _____	_____	_____	_____
Comments _____	_____	_____	_____

**RECOMMENDATIONS**

<u>CBE GOAL</u>	<u>BID PREFERENCE</u>	<u>NO MEASURE</u>	
<u>22.00%</u>	<u>N/A</u>	_____	
<u>Analysis for Goal Recommendation</u>			
<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>	<u>Availability</u>
<u>5.05 Port &amp; Waterway Systems –Cargo Terminal Design (Prime)</u>	<u>\$ 825,000.00</u>	<u>25%</u>	_____
<u>5.08 Port and Waterway Systems - Marine Engineering Design (Prime)</u>	<u>\$ 1,650,000.00</u>	<u>50%</u>	_____
<u>5.04 Port &amp; Waterway Systems – Cruise Terminal Equipment Design</u>	<u>\$ 99,000.00</u>	<u>3%</u>	_____
<u>5.09 Port &amp; Waterway Systems – Environmental Design</u>	<u>\$ 165,000.00</u>	<u>5%</u>	<u>&gt;3</u>
<u>6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems</u>	<u>\$ 33,000.00</u>	<u>1%</u>	<u>&gt;3</u>
<u>8.00 Telecommunication Systems</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>&gt;3</u>
<u>9.01 Drilling, Subsurface Investigations and Seismographic Services</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>&gt;3</u>
<u>9.02 Geotechnical and Materials Engineering Services</u>	<u>\$ 99,000.00</u>	<u>3%</u>	<u>&gt;3</u>
<u>10.01 Stormwater Drainage Design Engineering Services</u>	<u>\$ 99,000.00</u>	<u>3%</u>	<u>&gt;3</u>

**RECOMMENDATIONS**

Analysis for Goal Recommendation

<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>	<u>Availability</u>
<u>13.00 General Electrical Engineering</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>&gt;3</u>
<u>15.01 Land Surveying</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>&gt;3</u>
<u>17.00 Engineering Construction Management</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>&gt;3</u>
<u>Total</u>	<u>\$ 3,300,000.00</u>	<u>100%</u>	<u></u>

Basis for Recommendation

Leticia Smith A03  
By: PortMiami

\_\_\_\_\_  
Date to SBA/DPM

**MIAMI-DADE SEAPORT DEPARTMENT (SEA)**  
**PROFESSIONAL SERVICES AGREEMENT (PSA)**  
**MARINE INFRASTRUCTURE ENGINEERING SERVICES**  
**PROJECT NO. E13-SEA-03**  
**PORTMIAMI PROJECT NO. 2013-024**

**SCOPE OF SERVICES**

Consultant shall provide marine engineering inspection, evaluation, design, and design criteria services for the construction, repair and rehabilitation, removal and replacement and new construction of PortMiami's Marine Infrastructure. Services include, but are not limited to: wharves; bulkheads; seawalls; roll-on/roll-off platforms; pile supported gantry crane rail beams tie-downs, and stow pin sockets; shoreline protection revetments; dredging; corrosion protection; floating and fixed docks; offshore mooring and breasting dolphins; container yard improvements; and other cruise and cargo vessel berthing improvements. In addition, services shall include all ancillary marine infrastructure, such as moorings and bollards; fenders; runways and railways; ramps and aprons; cold-iron connections; as well as, marine terminal yard upgrades; including intermodal yard, transaction/security gate, gantry system and passenger cruise boarding bridge infrastructure, in support of the containerized cargo vessels and cruise passenger ship growth at *PORTMIAMI*.

The Consultant shall provide all services inclusive of: surface and underground investigations and inspections; subsurface drilling and geotechnical investigations; materials sampling and testing; condition assessments, evaluations and analysis; marine (biological) resources surveys; topographic and bathymetric surveys; berthing studies and mooring analysis; technical presentations and reports; design criteria; designs and specifications; drainage, structural, electrical, telecommunications, and water distribution engineering; cost estimates; schedules; value engineering coordination; construction documents; environmental and building permitting; coordination with regulatory agencies; bidding assistance; and construction phase engineering and inspection services, which include, but are not limited to the review of shop drawings, proposed substitutions, contractor's pay requests, change order analysis, and claims assistance; and any supportive ancillary tasks to successfully complete all the phases of the project.

At the request of the Port, the Consultant shall respond, on short notice, to unforeseen events including but not limited to: berthing and cargo handling accidents; hurricane and other weather related events that would necessitate the urgent production of marine infrastructure damage assessment reports; including the development of emergency repair plans, specifications, cost estimates and regulatory agency notification and coordination.

One (1) non-exclusive Professional Services Agreement (PSA) with a cost estimate of \$3,300,000.00 (includes 10% contingency), for an effective term of three years plus two (2) one year options to extend will be awarded under this solicitation. These two (2) one year options to extend are contingent on the approval of the County Mayor or County's Mayor designee.

Estimated Construction Value: \$33,060,000.00

**Experience and Qualifications:**

The Prime Consultant must demonstrate experience in five (5) projects performed in the State of Florida over the past ten (10) years of similar work as described above. The expertise must be met by a qualified individual(s) of the prime firm. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level or above. The determination for the individual's qualifications and compliance with the experience and qualifications shall be at the sole discretion of the County.

In addition, the prime consultant and/or subconsultants selected for award of this solicitation will not be considered for any design-build projects, for which design criteria specifications are developed for PortMiami under this Agreement.

PortMiami will select two (2) consultant teams via two (2) separate Notices to Professional Consultants. The schedule for selection of a consulting team and subsequent award of a PSA under ISD Project No. E13-SEA-03 will precede the selection of a consulting team and subsequent award of a PSA under ISD Project No. E13-SEA-04. The Prime Consultant and/or subconsultants selected for award of a PSA under ISD Project No. E13-SEA-03 will not be considered for award of a PSA under ISD Project No. E13-SEA-04.

Prime and sub-consultants selected for PSAs under ISD Project No. E11-SEA-03, Program Management Consultant Services, and ISD Project No. E09-SEA-02, Bond Engineering Services, will not be considered for award of a PSA under ISD Project Nos. E13-SEA-03 and E13-SEA-04.

**1.06 A/E TECHNICAL CERTIFICATIONS**

- 5.05 PORT & WATERWAY SYSTEMS - Cargo Terminal Design (Prime) – 25%
- 5.08 Port & Waterway Systems - Marine Engineering Design (Prime) - 50%
- 5.04 Cruise Terminal Equipment Design – 3%
- 5.09 Port & Waterway Systems - Environmental Design – 5%
- 6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems – 1%
- 8.00 Telecommunications Systems – 2%
- 9.01 Drilling, Subsurface Investigations – 2%
- 9.02 Geotechnical and Materials Engineering Services – 3%
- 10.01 Stormwater Drainage Design – 3%
- 13.00 General Electrical Engineering – 2%
- 15.01 Land Surveying – 2%
- 17.00 Engineering Construction Management – 2%

A recommended goal of 22% is recommended for this PSA.

## Walters, Vivian (RER)

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**From:** Smith, Leticia (Seaport)  
**Sent:** Wednesday, July 31, 2013 5:37 PM  
**To:** Walters, Vivian (RER)  
**Cc:** Millan, Luisa M. (ISD); Johnson, Laurie (RER); Samuels, Faith (ISD)  
**Subject:** Signed SBD Memo - Contract No. E13-SEA-03: Project No. 2013-024 Marine Infrastructure Engineering Services  
**Attachments:** 073013\_SBD Memo\_E13-SEA-03.pdf

Hi Vivian:

Attached is the signed memo for the subject contract.

Regards, lcs

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**From:** Millan, Luisa M. (ISD)  
**Sent:** Friday, July 19, 2013 10:19 AM  
**To:** Walters, Vivian (RER)  
**Cc:** Clark, Veronica (RER); Johnson, Laurie (RER); Smith, Leticia (Seaport); Samuels, Faith (ISD)  
**Subject:** FW: Memo to SBD for CBE Goal - Contract No. E13-SEA-03: Project No. 2013-024 Marine Infrastructure Engineering Services

Vivian,  
Please see attached new project for the Seaport. I have reviewed the item and am forwarding to you for review. Signed memo forthcoming.

Luisa M. Millan, R.A., I.D.  
Director, Design and Construction Services Division  
Internal Services Department  
(305) 375-1100  
[lmillan@miamidade.gov](mailto:lmillan@miamidade.gov)

*Delivering Excellence Everyday*

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**From:** Smith, Leticia (Seaport)  
**Sent:** Friday, July 19, 2013 9:56 AM  
**To:** Millan, Luisa M. (ISD)  
**Cc:** Samuels, Faith (ISD); Nunez, Isa (Seaport); Hope, Becky (Seaport); Simon, Nancy (Seaport); Ng, Keith (Seaport)  
**Subject:** RE: Memo to SBD for CBE Goal - Contract No. E13-SEA-03: Project No. 2013-024 Marine Infrastructure Engineering Services

Good morning Luisa:

As promised, based on your comments provided on E13-SEA-04; the same changes were incorporated for the scope under this Contract E13-SEA-03. Attached are the revised draft documents.

Regards, lcs

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**From:** Smith, Leticia (Seaport)  
**Sent:** Wednesday, July 17, 2013 4:37 PM  
**To:** Millan, Luisa M. (ISD)  
**Cc:** Samuels, Faith (ISD); Simon, Nancy (Seaport)