

Memorandum



Date:

To: Gary Hartfield, Division Director
Small Business Development

From: Hydi Webb, Director
PortMiami

Subject: Recommendation for two (2) Non-exclusive Professional Services Agreements for Marine Infrastructure Engineering Services, Contract No. E23SP01, Project No. 2021-042

PortMiami respectfully requests that the Division of Small Business Development (SBD) evaluate Contract No. E23SP01 / Project No. 2021-042 – Marine Infrastructure Engineering Services, to assign Small Business Enterprise (SBE) measures, to proceed with the advertisement and subsequent bidding of the project.

Professional Services Agreement (PSA) for Marine Infrastructure Engineering Services: PortMiami requires non-exclusive professional services for a wide range of marine engineering inspections, evaluations, and design criteria services for the construction, repair and rehabilitation, removal and replacement and new construction of PortMiami's marine infrastructure, including but not limited to: wharves; bulkheads; seawalls; roll-on/roll-off platforms; 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 storm bollards; fenders; runways and railways; ramps and aprons; 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. PortMiami intends to retain two (2) consultants under separate, but identical non-exclusive PSAs. Each PSA will be for five (5) years with a maximum compensation set at \$4,400,000.00 each, which includes the 10% contingency. No minimum amount of work or compensation will be guaranteed to the selected Consultants.

The Consultants 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; hydrographic surveys, ground radar penetration services, design criteria; designs and specifications; drainage, structural, electrical, telecommunications, and water distribution engineering; value engineering coordination; construction documents; environmental and building permitting; coordination with regulatory agencies; bidding assistance; and construction phase engineering and inspection services 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 PortMiami, the Consultants 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. In addition, the Consultants shall provide non-engineering services, which

consist of technical presentations and reports, shipping studies, vessel simulation, the collection of squat calculations for inbound vessels, vessel modeling capabilities, general construction management, scheduling, cost estimation, diving services, underwater observation services, and document control.

PortMiami may request Consultants' services on an as-needed basis through the issuance of Work Orders for the required work to be performed and the estimated fees to be paid for the services authorized pursuant to the scope of services. There is no guarantee that any or all the services described in this agreement will be assigned during the term of the agreement. Further, the Consultants are providing these services on a non-exclusive basis. PortMiami, at its option, may elect to have any of the services set forth herein performed by other Consultants or PortMiami staff.

A/E Technical Certification Categories required:

	Type	Description	Percentage	Total Amount
5.05	Prime	Port and Waterway Systems – Cargo Terminal Design	27.00%	\$ 2,376,000.00
5.08	Prime	Port and Waterway Systems – Marine Engineering Design	49.00%	\$ 4,312,000.00
17.00	Prime	Engineering Construction Management	2.00%	\$ 176,000.00
3.12	SBE-A/E	Highway Systems - Underwater Engineering Inspection	1.00%	\$ 88,000.00
5.04	SBE-A/E	Port and Waterway Systems – Cruise Terminal Equipment Design	3.00%	\$ 264,000.00
5.09	SBE-A/E	Port and Waterway Systems – Environmental Design	1.00%	\$ 88,000.00
6.01	SBE-A/E	Water Distribution and Sanitary Sewage Collection and Transmission Systems	1.00%	\$ 88,000.00
8.00	SBE-A/E	Telecommunications	1.00%	\$ 88,000.00
9.01	SBE-A/E	Soils, Foundations and Materials Testing-Drilling, Subsurface Investigations and Seismographic Services	1.00%	\$ 88,000.00
9.02	SBE-A/E	Soils, Foundations and Materials Testing-Geotechnical and Materials Engineering Services	1.00%	\$ 88,000.00
9.03	SBE-A/E	Soils, Foundations and Materials Testing-Concrete and Asphalt Testing Services	1.00%	\$ 88,000.00
10.01	SBE-A/E	Environmental Engineering - Stormwater Drainage Design Engineering Services	2.00%	\$ 176,000.00
11.00	SBE-A/E	General Structural Engineering	2.00%	\$ 176,000.00
13.00	SBE-A/E	General Electrical Engineering	2.00%	\$ 176,000.00
15.01	SBE-A/E	Surveying and Mapping - Land Surveying	1.00%	\$ 88,000.00
15.04	Other	Surveying and Mapping-Hydrographic Surveys	1.00%	\$ 88,000.00
61500	SBE-G	Office Supplies	0.25%	\$ 22,000.00

TC No.	Type	Description	Percentage	Total Amount
20700	SBE-G	Computer Accessories and Supplies	0.25%	\$ 22,000.00
96600	SBE-S	Printing and Typesetting Services	0.50%	\$ 44,000.00
N/A	Other	Other Non-engineering Services	3.00%	\$ 264,000.00
Total Professional Consulting Fees			100%	\$ 8,800,000.00

The Prime Consultants must hold the following Technical Certifications Categories: 5.05 - Port and Waterway Systems – Cargo Terminal Design, 5.08 – Port and Waterway Systems – Marine Engineering Design, and 17.00 – Engineering Construction Management. Consultants shall be certified by Miami-Dade County (County) in the Technical Certification Categories identified above at the time of qualifications submittal.

The Prime Consultant is preferred to have experience in four (4) projects performed over the past ten (10) years of similar work described in the scope. The expertise must be met by a qualified individual(s) of the prime firm.

The Prime Consultant selected for this contract will also be required to understand and phase their projects around the Port’s ship berthing positions and schedules, security zones / operations and our transportation needs and challenges. Additionally, their projects will include designing bulkheads, wharfs, bollards, tie-downs, and runways. It is critical that the Prime Consultant has experience in these areas and that consideration of PortMiami operations are integrated into their designs.

In addition, the Prime Consultants and their sub-consultants selected for award of this solicitation will not be considered for any design-build projects, as part of a team, for which design criteria specifications are developed for PortMiami under this Agreement.

Prime Consultants and their sub-consultants selected for PSAs under ISD Project No. E18-SEA-06 - Management Financial Consulting and Bond Engineering Services, Arcadis U.S. Inc., John C. Martin Associates, LLC, Raftelis Financial Consultants, Inc., Marlin Engineering, Inc. ISD Project. A21-SEA-01 (A) - Port Representation Services – Architectural, AECOM Technical Services, Inc., 300 Engineering Group, LLC, HBC Engineering Company, Manuel G. Vera & Associates, Inc., Nova Consulting, Inc., Nova Engineering and Environmental, LLC, Program Controls, Inc., Torx Builders, LLC. ISD Project. A21-SEA-01 (B) - Port Representation Services – Architectural, Gurri Matute, P.A., Burns & McDonnell Engineering Company, Inc., Caltran Engineering Group, Inc., Eastern Engineering Group Company, Gartek Engineering Corporation, GHD Services Inc., Hill International, Inc., Manuel G. Vera & Associates, Inc., Raymond Engineering-Georgia, Inc., Terracon Consultants, Inc., WSP USA Inc. ISD Project No. E21-SEA-01 (A) - Port Representation Services – Engineering, Nova Consulting, Inc., Assurance Consulting Engineers, LLC., BND Engineers, Inc., Callaway Marine Technologies, Inc., E.R. Brownell & Associates, Inc., Gurri Matute, P.A., Paul Bridges & Associates, LLC, Professional Service Industries, Inc., WSP USA, Inc. ISD Project No. E21-SEA-01 (B) - Port Representation Services – Engineering, Tetra Tech, Inc., BC Architect AIA, Inc., Morgan & Eklund, Inc., HBC Engineering Company, NV5, Inc., Paul Bridges & Associates, LLC, Program Controls, Inc., W.F. Baird & Associates LTD Incorporated are precluded from rendering services for this project.

The SBE goal recommendations for each PSA are 17.00% for architectural and engineering services, 0.50% for goods, and 0.50% for services. The cost of each PSA will be in the amount of \$4,400,000.00, for a total combined amount of \$8,800,000.00, which includes the 10% contingency, and shall remain in effect for a total of five (5) years. Should you have any questions, please feel free to contact Mr. Frank Ramirez, Manager, Seaport Construction Contracts at 305-347-5508.

STEP 1 DRAFT

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

Contract/Project Title Marine Infrastructure Engineering Services
Contract/Project No. Contract No. E22-SEA-01 / Project No. 2021-042
Description See attached Scope of Work
Department Seaport Contact Frank Ramirez Phone (305) 347-5508
Estimated Cost 2 Agreements for \$4,400,000.00 each, (\$8.8 M) Funding Source: Future Financing

ANALYSIS

Commodity/Service No. _____ SIC _____

Trade/Commodity/Service Opportunities

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

<u>SBE A&E GOAL</u>	RECOMMENDATIONS <u>BID PREFERENCE</u>	<u>NO MEASURE</u>
<u>17.00%</u>	<u>N/A</u>	<u>N/A</u>
<u>SBE G&S GOAL</u>	<u>BID PREFERENCE</u>	<u>NO MEASURE</u>
<u>1.00%</u>	<u>N/A</u>	<u>N/A</u>

Analysis for Goal Recommendation

	<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>	<u>Availability</u>
5.05	Port and Waterway Systems – Cargo Terminal Design (Prime)	\$ 2,376,000.00	27.00%	>3
5.08	Port and Waterway Systems – Marine Engineering Design (Prime)	\$ 4,312,000.00	49.00%	>3
17.00	Engineering Construction Management (Prime)	\$ 176,000.00	2.00%	>3
3.12	Highway Systems - Underwater Engineering Inspection	\$ 88,000.00	1.00%	>3
5.04	Port and Waterway Systems – Cruise Terminal Equipment Design	\$ 264,000.00	3.00%	>3
5.09	Port and Waterway Systems – Environmental Design	\$ 88,000.00	1.00%	>3
6.01	Water Distribution and Sanitary Sewage Collection and Transmission Systems	\$ 88,000.00	1.00%	>3
8.00	Telecommunications	\$ 88,000.00	1.00%	>3
9.01	Soils, Foundations and Materials Testing- Drilling, Subsurface Investigations and Seismographic Services	\$ 88,000.00	1.00%	>3
9.02	Soils, Foundations and Materials Testing- Geotechnical and Materials Engineering Services	\$ 88,000.00	1.00%	>3
9.03	Soils, Foundations and Materials Testing- Concrete and Asphalt Testing Services	\$ 88,000.00	1.00%	>3

10.01	Environmental Engineering - Stormwater Drainage Design Engineering Services	\$ 176,000.00	2.00%	>3
11.00	General Structural Engineering	\$ 176,000.00	2.00%	>3
13.00	General Electrical Engineering	\$ 176,000.00	2.00%	>3
15.01	Surveying and Mapping - Land Surveying	\$ 88,000.00	1.00%	>3
15.04	Surveying and Mapping-Hydrographic Surveys	\$ 88,000.00	1.00%	>3
61500	Office Supplies	\$ 22,000.00	0.25%	>3
20700	Computer Accessories and Supplies	\$ 22,000.00	0.25%	>3
96600	Printing and Typesetting Services	\$ 44,000.00	0.50%	>3
N/A	Other Non-engineering Services	\$ 264,000.00	3.00%	
<u>TOTAL</u>		<u>\$8,800,000.00</u>	<u>100%</u>	

Basis for Recommendation <u>See attached.</u>	
By: Seaport Department	Date to SBA/DPM