

Memorandum



Date: April 5, 2019
To: Gary Hartfield, Division Director
Small Business Development
From: Juan Kuryla, Director
PortMiami
Subject: Recommendation for Design-Build Services for the Cruise Terminal F Expansion and Berthing Re-alignment Program, Contract No. DB19-SEA-01, Project No. 2018-047

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 Small Business Enterprise (SBE) measures for Architectural and Engineering (A/E), Construction, and Goods and Services, in order to proceed with the advertisement and subsequent consultant selection for the above mentioned project.

The approximate duration of the proposed Design-Build contract is 987 calendar days and the maximum compensation for the Design-Build contract is for **\$140 million dollars**, which includes the following:

\$115,908,432.34	Estimated construction cost
\$11,590,843.23	Estimated architecture and engineering services cost
\$5,795,421.62	Construction contingency (5%)
\$1,159,084.32	Architect and engineer contingency (10%)
\$2,068,965.52	Art in public places (1.5%)
\$3,477,252.97	Dedicated allowance account for permit fees (3%)
\$140,000,000.00	Total

Design-Build Services for the Cruise Terminal F Expansion Program - PortMiami is planning additional capacity by the further development of the Cruise Terminal F Expansion, to accommodate a range of additional new and larger vessels. In order to meet the additional passenger volumes, baggage screening, passenger drop off, pick up areas, bus areas, parking, roadway traffic, and provisioning may be expanded and/or improved to provide for a state of the art Cruise Terminal and berthing re-alignment.

The scope of services includes Port and Waterway Systems Architectural and Engineering, Planning, Design, Construction and Post Design Services. These services are required to support port operations that are evolving as the industry advances. The project may include upgrades from all or some of the following components: provisional operations; embark expansions; Customs Border Protection (CBP) primary and secondary; baggage claim areas; horizontal and vertical circulation systems; modifications to Passenger Boarding Bridges (PBBs) or its connections; PBB runways; concourses; site development; waterside improvements; wharf access; intermodal areas; ancillary roadways; restrooms; canopies; wayfinding; life safety; ADA accessibilities; landscaping and irrigation; operational and security enhancements, including checkpoints and screening areas; security and access control; audio/visual systems; furniture, fixtures and equipment (FFE), and all related infrastructure; building and structure work ancillary to the basic work scope.

The selected Design-Build Team shall provide all the necessary investigations; surveys; site investigation; studies; modeling; architectural and engineering designs; including analysis of 'sustainable systems' and LEED certification; fire protection; flame spread studies; life safety systems; interior design; civil design, structural engineering; mechanical, electrical and plumbing (MEP) engineering; specialty lighting; information technology (IT); paging; audio/visual (AV) design; building management systems; cost estimates; schedules; possible baggage conveyor systems, PBBs / Jetways; Art in Public Places; value engineering coordination; construction documents; environmental

and building permitting; inspections; tunnel/vibration monitoring services; demolition; construction, construction administration; review of shop drawings; commissioning; and any supportive ancillary tasks to the primary scope of services to successfully complete all phases of the project.

All work shall be conducted to support a fully operational berthing alignment; meet or exceed professional standards; comply with PortMiami Security requirements; PortMiami Design Guidelines, PortMiami Wayfinding Standards, United States Customs and Border Protection (CBP) Cruise Terminal Design Standards and County Implementing Order No. 8-8 "Sustainable Building Program," where all new construction projects shall be required to attain "Silver" or higher certification level under the LEED-NC Rating System and the participation of experienced LEED@AP professional is required in order to achieve optimum results in the application of said practices.

The applicable trades for the construction portion of the project may include, but is not limited to, demolition of existing structures, the erection of a multi-story structure, glass curtain wall system, concrete floor slabs, roofing assembly, framing, vertical and horizontal circulation core systems [i.e., elevators, escalators (vertical and horizontal) and stairs], interior partitions, drywall and finishing, various ceiling finishes, painting, HVAC systems, main and standby power systems and connectivity IT, communications and networking systems and conduits with fiber optic cables, CAT 5/6 cable or both (as required), security systems with its sub components, (i.e., cameras and card), card readers, connections to explosive detection systems for baggage (supplied by owner), body and baggage scanners (supplied by owner), central paging system, asphalt paving, canopies, possible bridge connection from Terminal to existing or new Parking Garage(s), curbs, drainage, bollards, landscaping with irrigation system, plumbing systems, electrical/electronic systems, specialty lighting systems, fire protection, and fire alarm system. For further details, please see "Departmental Input Construction Contract/Project Measure Analysis and Recommendation" (attached).

The project is located at existing Cruise Terminal F, the adjacent property to the East and extending to Shed B, at PortMiami. All scope of work shall be conducted within an operationally active and secured area. The design and construction services rendered by the Design-Builder are intended to result in a complete, functional, and operable modern Cruise Terminal consisting of the following eight (8) areas:

East End

Area may include, but is not limited to the demolition of the existing two (2) open "S" roof structures and adjacent exterior passenger boarding concourse and stairway structures, including all foundation systems, perimeter fences and gates, electrical, etc. Demolition of the existing vacant diamond building, including all foundation, mechanical, electrical, plumbing and fire protection systems, etc. Relocation of the existing crew gate/turnstile and adjacent security booth, including all electrical (power/data) systems; Removal and relocation of the existing sculpture, including foundations, planter/median and any associated electrical. Relocation of existing Provisioning and Bus Intermodal staging and temporary access to existing Cruise Terminal F Apron for Provisioning traffic. Provide construction of New Provisioning Warehouse with loading dock for possible eight (8) trucks and second level general office space, restrooms, storage, janitorial rooms, vertical circulation (stair/elevators), and all MEP/Fire Protection (FP) equipment and site improvements, including but not limited to underground utilities paving, grading & drainage, lighting, etc., associated with the building. Security control, and Telecommunications/AV/IT access control shall be included. Mechanical (HVAC)/Electrical and Local Area Network (LAN) rooms and other ancillary spaces as needed, along with Wayfinding and signage critical for the building's functions. Existing Embarkation Building may be further expanded to the east with new 2-story structure providing a new Baggage Screening area on the ground floor and new VIP area at second floor. New Building to include, but is not limited to restrooms, storage, janitorial rooms, vertical circulation (stairs/escalators) from second level to access existing third level concourse, emergency egress stairs, possible modifications to existing elevator, new interior access to existing Embarkation Building, storefront system and exterior cladding to match existing Embarkation Building, and all MEP/FP equipment and site improvements, including but not limited to underground utilities paving, grading & drainage, lighting, etc., associated with the building. Security control, Telecommunications/AV/IT, access control, and integration to Terminal Wide Paging System shall be included. Mechanical (HVAC)/Electrical and Local Area Network (LAN) rooms and other ancillary spaces as needed, along with Wayfinding and Signage critical for the Terminal's functions. Two (2) New Bus Intermodal Areas with canopies, including foundations, Electrical (lighting), Fire Protection, Drainage, CCTV,

Telecommunications/AV/IT, and integration to Terminal Wide Paging System shall be included. Intermodal Areas to also include paving, grading & drainage and comply with POM/DOT standards and requirements.

Embarkation Building

Ground Floor - Area may include but is not limited to the demolition of existing ground floor offices and storage rooms; relocation of existing Security Screening Equipment (magnetometers & x-ray machines) to the second floor, including the relocation of floor mounted outlets (power only). Addition of ten (10) new check-in ticket counters with connectivity (power/data) and possible A/V connectivity, including monitors, and counter mounted monitor controls, at counters. Areas may also include the reconfiguring and/or additions to the existing mechanical, electrical, fire protection, and life safety systems. Security control, Telecommunications/AV/IT, access control, and integration to Terminal Wide Paging System shall be included. Additional Mechanical (HVAC)/Electrical and Local Area Network (LAN) rooms and other ancillary spaces as needed, along with Wayfinding and Signage critical for the Terminal's functions.

Second Floor – Area may include but is not limited to the demolition of existing second floor Ticket Counters, including overhead canopies and interior support offices. All power, data and audio/visual components, including overhead monitors, counter mounted monitor controls, control panels, paging support, etc., to be removed and repurposed for new scope. New temporary construction wall to be provided at second level to allow removal of existing counters and temporary ticketing counters, including power and data extensions, to be installed to the north of the construction wall to maintain continuous terminal operations. Area may also include the reconfiguring and/or additions to the existing mechanical, electrical, fire protection, and life safety systems. Security control, Telecommunications/AV/IT, access control, and integration to Terminal Wide Paging System shall be included. Additional Mechanical (HVAC)/Electrical and Local Area Network (LAN) Rooms and other ancillary spaces as needed, along with Wayfinding and Signage critical for the Terminal's functions.

Diamond Building

Area may include but is not limited to the complete demolition of the existing diamond building, including all foundation, mechanical, electrical, plumbing and fire protection systems, etc. Diamond structure may be replaced by a new 2-story structure that may include, but is not limited to, additional Baggage Claim area on the ground floor and additional Waiting Area on the Second Floor. MEP/FP equipment, Security Control, and Telecommunications/AV/IT, access control, and integration to Terminal Wide Paging System shall be included. Mechanical (HVAC)/Electrical and Local Area Network (LAN) rooms and other ancillary spaces as needed, along with Wayfinding and Signage critical for the building's functions.

Exterior: Demolition of the existing "V" shaped exterior concrete entry canopy (South of the existing Diamond Building) and the adjacent North/South canopy connection, inclusive of all foundation, structural, mechanical, electrical, lighting and fire suppression systems. Site Improvements, including new sidewalks, paving, grading & drainage may be required.

Baggage Claim/US Customs (CBP)

Ground Floor: Area may include but is not limited to the demolition of the South wall of the existing Baggage Claim, including new structural supports and foundation systems, new roof slab and roofing system, exterior storefront glazing, etc. to accommodate new southern expansion. New expansion to include new structural support, foundation systems, new roof slab and roofing system, exterior storefront glazing, etc. Areas may also include the reconfiguring and/or additions to the existing mechanical, electrical, fire protection, and life safety systems. Security control, Telecommunications/AV/IT, access control, and integration to Terminal Wide Paging System shall be included. Demolition may also require the construction of Temporary Walls to protect Building interior from the exterior elements. Demolition of existing North/South canopy that connects existing debark exit and the POV/Taxi drop-off, which may include the full removal of the existing curbside Baggage Handling Conveyor System and associated structure at grade level and overhead. Area may also include the demolition of the existing east male and female restrooms, existing CBP Primary Inspection Area, including all interior perimeter walls, fixed booths, connectivity (data/phone/power), etc. Demolition of existing Customs and Border Protection/CBP Secondary Inspection Area, including all existing partitions and finishes, MEP/FP and Life Safety systems, etc. New CBP LAN/Telco Rooms at both Cruise Terminal F & Cruise Terminal G. Existing LAN rooms to continue to function until new LAN rooms are

completed. New CBP Primary Inspection Area, including new streamlined podium designs (quantity to be determined) and new connectivity, including power/data. Existing CBP Primary can only be demolished once the New CBP Primary Inspection is online and approved by CBP. New Primary may also include all new CBP security requirements, including CCTV, duress, A/V, etc. New expanded CBP Secondary Inspection area including all rooms, connectivity, MEP systems, security and access control, finishes, etc. per the latest CBP Cruise Terminal Design Standards. New Secondary Inspection Area to be built around the new LAN/Telco Room. All new connectivity, including data, phone, security and access control, etc. may homerun from new CBP LAN/Telco room. Since Terminal must remain active during the various improvements/expansions and while the full Secondary Inspection Area is being built out, CBP may operate from a Temporary CBP Secondary Inspection Area, including connectivity (power/data/duress) for temporary inspection podiums and search tables, minimum of three (3) rooms (interview, search & holding) and power/data to each room as required, and small waiting area. Temporary spaces may need to comply with the latest CBP Cruise Terminal Design Standards. In addition, this area may include, male and female restroom facilities. All affected areas may also include the reconfiguring and/or additions to the existing mechanical, electrical, fire protection, and life safety systems. Additional Mechanical (HVAC)/Electrical and Local Area Network (LAN) rooms and other ancillary spaces as needed, along with Wayfinding and Signage are critical for the complex functions.

Vertical Cores

Areas may include but are not limited to the demolition of the existing East and West debarkation vertical core, including elevators, stairs and escalators to accommodate three (3) new 5,000 lbs. passenger elevators – two (2) on the East side and one (1) on the West side. Remaining second floor slab openings may require to be infilled and a portion of the ground floor slab to be demolished to accommodate the new elevator pits. Portions of the second floor slab at the existing passenger Waiting Area may be demolished to accommodate two (2) new stair/escalator cores. Each core may consist of one (1) stairway and two (2) escalators. New structural support systems may be required at new second floor slab openings. Portions of the ground floor slab may also require demolition to accommodate the escalator pits. All affected areas may also include the reconfiguring and/or additions to the existing mechanical, electrical, fire protection, and life safety systems. Since Terminal must remain active during the various improvements/expansions, the demolition of the existing vertical cores may need to be phased. Cruise Line passengers, personnel, and all other occupants must be protected from all construction work, dust, debris, noise, etc.

Site Work

Areas may include but are not limited to the reconfiguration of the existing intermodal and drop-off areas located south of the existing Terminal, including removal of the existing bus intermodal positions, new pedestrian sidewalks and medians, new vehicular drop-off configuration, pedestrian safety devices (bollards), new exterior canopy to the south of the Embarkation Building to complement the existing concrete canopy, new paving, grading & drainage, etc. New canopies shall include foundations, Electrical (lighting), Fire Protection, Drainage, CCTV, Telecommunications/AV/IT, and integration to Terminal Wide Paging System. Integration of new construction and safeguards to existing water and sewer, fire protection/water main, storm water drainage, and additional utilities as needed.

Cruise Terminal G – Existing CBP Areas

Areas may include but are not limited to upgrading the security and access control of the existing CBP Primary, Secondary and Baggage Areas to comply with the latest CBP Cruise Terminal Design Standards. Reconfiguring and expansion of the existing CBP Secondary Inspection area to accommodate a new segregated Waiting Area, hardening (per CBP standards) of the existing Hold and Lan rooms, new windows at the existing Commando Control Center, new supervisor office and relocation of existing workstations and processing tables. All affected areas may also include the reconfiguring and/or additions to the existing mechanical, electrical, fire protection, and life safety systems.

Berthing Re-alignment and Existing Concourse Expansions

Areas may include but are not limited to the expansion of existing concourses at Cruise Terminals D&E, including structural support and foundations systems, waterside improvements including extension of the existing Passenger Boarding Bridge (PBB) runways, new electrical connections for the PBBs, extension of existing waterside drainage, additional mooring and storm bollards, waterbays, etc. All affected areas may also include the reconfiguring and/or additions to the existing mechanical, electrical, fire protection, and life safety systems. Additional Mechanical (HVAC)/Electrical and Local Area Network (LAN) rooms and other ancillary spaces as needed, along with Wayfinding

and Signage are critical for the complex functions. Concourse Expansions may require significant the partial demolition of adjacent structures, including exterior walls, support structures, foundation, MEP/FP and life safety systems, etc. Reconfiguring and/or additions to the structures' existing mechanical, electrical, fire protection, and life safety systems may be required, in addition to new exterior walls with structural supports and foundation systems, reconfiguring of the structures' existing roofing systems, etc.

Firms providing A/E services must be certified in the following technical categories and the anticipated percentages of the disciplines are as indicated below:

A/E Technical Certification Categories required:

TC No.	Type	Description	Percentage	Amount
5.02	Lead A/E	Port and Waterway Systems – Architectural Design	38.00%	\$4,844,972.47
5.03	Lead A/E	Port and Waterway Systems – Cruise Terminal Design	24.00%	\$3,059,982.61
18.00	Lead A/E	Architectural Construction Management	15.00%	\$1,912,489.13
22.00	Lead A/E	ADA Title II Consultant	1.00%	\$127,499.28
5.04	Other	Port and Waterway Systems – Cruise Terminal Equipment Design	1.00%	\$127,499.28
	SBE-A/E			
5.10	Other	Port and Waterway Systems – Transportation Systems Design	1.00%	\$127,499.28
	SBE-A/E			
8.00	Other	Telecommunication Systems	1.00%	\$127,499.28
	SBE-A/E			
9.02	Other	Soils, Foundations and Materials Testing - Geotechnical and Materials Engineering Services	0.50%	\$63,749.64
	SBE-A/E			
9.03	Other	Soils, Foundations and Materials Testing - Concrete and Asphalt Testing Services	0.50%	\$63,749.64
	SBE-A/E			
9.04	Other	Soils, Foundations and Materials Testing - Non-Destructive Testing and Inspections	0.50%	\$63,749.64
	SBE-A/E			
10.01	Other	Environmental Engineering - Stormwater Drainage Design Engineering Services	0.50%	\$63,749.64
	SBE-A/E			
11.00	Other	General Structural Engineering	3.00%	\$382,497.83
	SBE-A/E			
12.00	Other	General Mechanical Engineering	1.00%	\$127,499.28
	SBE-A/E			

13.00	Other	General Electrical Engineering	1.00%	\$127,499.28
	SBE-A/E			
14.00	Other	Architecture	1.00%	\$127,499.28
	SBE-A/E			
15.01	Other	Surveying and Mapping – Land Surveying	0.50%	\$63,749.64
	SBE-A/E			
15.03	Other	Surveying and Mapping - Underground Utility Location	0.50%	\$63,749.64
	SBE-A/E			
16.00	Other	General Civil Engineering	2.00%	\$254,988.55
	SBE-A/E			
17.00	Other	Engineering Construction Management	3.00%	\$382,497.83
	SBE-A/E			
20.00	Other	Landscape Architecture	1.00%	\$127,499.28
	SBE-A/E			
N/A	Other	Construction Cost Estimating	2.00%	\$254,988.55
	SBE-G&S			
N/A	Other	General Administration	2.00%	\$254,988.55
	SBE-G&S			
Total Estimated Professional Fees			100.00%	\$12,749,927.56

Minimum Experience and Qualification Requirements for the Design-Build Team

- Lead A/E and A/E Sub-consultants are preferred to have completed one (1) project in the last ten (10) years of similar scope, construction value and delivery schedule as described in the scope of services denoted above and must have a minimum of two (2) active Florida State registered licensed professional Architects and/or Engineers assigned to the project at time of award and throughout the duration of the project.
- Lead Constructor is preferred to have completed one (1) project in the last ten (10) years of similar scope, construction value and delivery schedule.

Construction Contractor Key Personnel Experience and Qualifications

- Minimum position experience of Design-Build team Key Personnel are as follows:

Minimum ten (10) years of experience and/or three (3) projects for similar construction scope, value and delivery schedule in a similarly responsible position for each of the following Key Personnel is preferred:

- Lead Construction Manager
- Assistant Lead Construction Manager

Lead Constructor shall submit at the time of the proposal submittal deadline, the name of the Lead Construction Manager who meets the preferred experience described in No. 3 above, and the name of the Assistant Lead Construction Manager, with equal qualifications, in the event the Lead Construction Manager leaves the firm.

Prime consultants and their sub-consultants awarded for Professional Services Agreements under Internal Services Department (ISD) Project No. E15-SEA-02, Program Management Consultant Services, and ISD Project No. E14-SEA-01R, Financial Management Consulting and Bond Engineering Services, are precluded from being part of a Design-Build Team Agreement under ISD Project No. DB19-SEA-01.

The Design Criteria Professionals, for ISD Project No. DB19-SEA-01, is Jacobs Engineering Group, under ISD Project Number A12-SEA-01 – Architecture and Engineering Services for PortMiami Cruise Terminals. Jacobs Engineering Group and its sub-consultants, Automated Port Solutions, Inc, BC Architects A1A, Inc., CDM Smith, Inc., Robayna and Associates, Inc., Rosenberg Gardner Design, The Spinnaker Group Management, Inc., and Tierra South Florida, Inc.; and Wolfberg Alvarez & Partners and its sub-consultants under EDP Project Number EDP-SP-18-037C, are not eligible to render design-build services for ISD Project No. DB19-SEA-01. Berenblum Busch Architecture, Inc. and its sub-consultants, who has been contracted by the Port's stakeholder are also not eligible to render design-build services for ISD Project No. DB19-SEA-01.

Pursuant to Florida Statute 287.055, "A design criteria professional who has been selected to prepare the design criteria package is not eligible to render services under a design-build contract executed pursuant to the design criteria package." The County reserves the right to disqualify any proposal from a team, which includes any sub-consultant and/or individual who has played a substantial role in the development of the design criteria package or whose involvement with the design-build team would confer upon that team an unfair competitive advantage because of such sub-consultant's or member's prior involvement in the project.

It is recommended that the SBE goal recommendations are 18% for architectural and engineering, 8.92% for construction, and 4% for goods and services. The CWP workforce goal recommendation is 10%. Should you have any questions, please feel free to contact Ms. Elizabeth Ogden, R.A., LEED AP, PPM, Assistant Director of Capital Development at (305) 347-5521.

Attachments

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

Contract/Project Title Design-Build Services for the Cruise Terminal F Expansion and Berthing Re-alignment Program

Contract/Project No. DB19-SEA-01 / 2018-047

Description See attached Scope of Work

Department Seaport Contact Elizabeth Ogden Phone (305) 347-5521

Estimated Cost 1 Agreement for \$140,000,000.00 Funding Source Future Financing

**ANALYSIS
RECOMMENDATIONS**

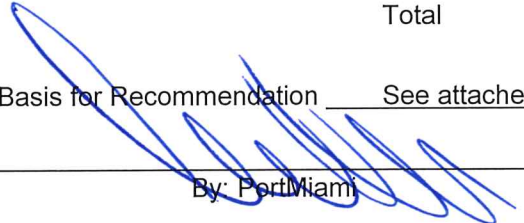
<u>SBE-A&E GOAL</u>	<u>BID PREFERENCE</u>	<u>NO MEASURE</u>		
<u>18.00%</u>	<u>N/A</u>			
<u>Analysis for Goal Recommendation</u>				
<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>	<u>Availability</u>	
<u>5.02 Port & Waterway Systems – Architectural Design (Lead A/E)</u>	<u>\$ 4,844,972.47</u>	<u>38.00%</u>		
<u>5.03 Port & Waterway Systems – Cruise Terminal Design (Lead A/E)</u>	<u>\$ 3,059,982.61</u>	<u>24.00%</u>		
<u>18.00 Architectural Construction Management (Lead A/E)</u>	<u>\$ 1,912,489.13</u>	<u>15.00%</u>		
<u>22.00 ADA Title II Consultant (Lead A/E)</u>	<u>\$ 127,499.28</u>	<u>1.00%</u>		
<u>5.04 Port & Waterway Systems Cruise Terminal Equipment Design</u>	<u>\$ 127,499.28</u>	<u>1.00%</u>	<u>>3</u>	
<u>5.10 Port & Waterway Systems Transportation Systems Design</u>	<u>\$ 127,499.28</u>	<u>1.00%</u>	<u>>3</u>	
<u>8.00 Telecommunication Systems</u>	<u>\$ 127,499.28</u>	<u>1.00%</u>	<u>>3</u>	
<u>9.02 Soils, Foundations and Materials Testing - Geotechnical and Materials Engineering Services</u>	<u>\$ 63,749.64</u>	<u>0.50%</u>	<u>>3</u>	

RECOMMENDATIONS

<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>9.03 Soils, Foundations and Materials Testing – Concrete and Asphalt Testing Services</u>	<u>\$ 63,749.64</u>	<u>0.50%</u>	<u>>3</u>	
<u>9.04 Soils, Foundations and Materials Testing – Non-Destructive Testing and Inspections</u>	<u>\$ 63,749.64</u>	<u>0.50%</u>	<u>>3</u>	
<u>10.01 Environmental Engineering – Stormwater Drainage Design Engineering Services</u>	<u>\$ 63,749.64</u>	<u>0.50%</u>	<u>>3</u>	

11.00 General Structural Engineering	\$ 382,497.83	3.00%	>3
12.00 General Mechanical Engineering	\$ 127,499.28	1.00%	>3
13.00 General Electrical Engineering	\$ 127,499.28	1.00%	>3
14.00 Architecture	\$ 127,499.28	1.00%	>3
15.01 Surveying and Mapping – Land Surveying	\$ 63,749.64	0.50%	>3
15.03 Surveying and Mapping Underground Utility Location	\$ 63,749.64	0.50%	>3
16.00 General Civil Engineering	\$ 254,988.55	2.00%	>3
17.00 Engineering Construction Management	\$ 382,497.83	3.00%	>3
20.00 Landscape Architecture	\$ 127,499.28	1.00%	>3
Non-A/E Services – Construction Cost Estimating	\$ 254,988.55	2.00%	
Non-A/E Services – General Administration	\$ 254,988.55	2.00%	
Total	\$ 12,749,927.56	100%	

Basis for Recommendation See attached

By:  PortMiami

4/5/2019
Date to SBA/DPM

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.: 2018-047

*Reference corresponding project number when submitting a work order

Contract/Project Title: Design-Build Services for the Cruise Terminal F Expansion and Berthing Re-alignment Program

Description/Scope of Work: See attached

Estimated Cost: \$140,000,000.00 **Funding Source:** Future Financing

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.
1103 N. Cruise Blvd., Miami, FL 33132

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
N/A			

RECOMMENDATION

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

Basis for Recommendation: _____

Date submitted to DBD: 4/5/2019

Contact Person: Gyselle Pino

Telephone No.: (305) 347-4833



Miami-Dade County Seaport Department
 Project Analysis for Goal Recommendation (SBE-CWP)

Trade/Skills Required	Estimated Cost	% of Item to Base Bid	Est. # of Workforce Required Per Trade
-DIVISION 2 - EXISTING CONDITIONS	\$4,377,402.49	3.44%	6
-DIVISION 3 - CONCRETE	\$23,884,838.60	18.77%	32
-DIVISION 4 - MASONRY	\$3,512,102.00	2.76%	6
-DIVISION 5 - METALS	\$8,576,654.88	6.74%	12
-DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES	\$458,100.26	0.36%	6
-DIVISION 7 - THERMAL AND MOISTURE PROTECTION	\$5,980,753.40	4.70%	8
-DIVISION 8 - OPENINGS	\$13,043,132.43	10.25%	18
-DIVISION 9 - FINISHES	\$4,733,702.69	3.72%	7
-DIVISION 10 - SPECIALTIES	\$1,208,875.69	0.95%	6
-DIVISION 11 - EQUIPMENT	\$216,325.12	0.17%	6
-DIVISION 12 - FURNISHINGS	\$636,250.36	0.50%	6
-DIVISION 13 - SPECIAL CONSTRUCTION	\$15,320,908.72	12.04%	21
-DIVISION 14 - CONVEYING EQUIPMENT	\$2,354,126.34	1.85%	6
-DIVISION 21 - FIRE SUPPRESSION	\$2,315,951.32	1.82%	6
-DIVISION 22 - PLUMBING	\$4,555,552.59	3.58%	7
-DIVISION 23 - HVAC	\$5,942,578.38	4.67%	8
-DIVISION 25 - INTEGRATED AUTOMATION	\$776,225.44	0.61%	6
-DIVISION 26, 27 & 28 - ELECTRICAL, COMM, SAFETY	\$9,950,955.66	7.82%	14
-DIVISION 31 - EARTHWORK	\$1,437,925.82	1.13%	6
-DIVISION 32 - EXTERIOR IMPROVEMENTS	\$1,577,900.90	1.24%	6
-DIVISION 33 - UTILITIES	\$2,723,151.55	2.14%	6
General Requirements	\$6,820,603.88	5.36%	
LEED Allowance	\$6,820,603.88	5.36%	
Estimated Construction Cost	\$127,250,072.44	100.00%	



Miami-Dade County Seaport Department
 Project Analysis for Goal Recommendation (SBE-CON) -
EXPANDED VERSION

	Revised Estimated Cost	SBE-Con Analysis	% of Item to Base Bid
General Requirements (includes mobilization)	\$ 6,816,968.17		
-DIVISION 2 - EXISTING CONDITIONS	\$ -		
Civil, U.G. Pipe	\$ 56,867.93		
Laborers: Commercial Construction	\$ 4,319,213.12		
-DIVISION 3 - CONCRETE	\$ -		
Carpenter, Formwork	\$ 2,644,820.99		
Rodmen, Concrete Reinforcement	\$ 700,627.37		
Cement Finishers	\$ 6,762,325.37		
Labor, Slab Decks	\$ 6,737,306.19		
Labor, Foundations	\$ 7,035,192.28		
-DIVISION 4 - MASONRY	\$ -		
Bricklayers, Masons	\$ 3,513,572.79	\$ 3,513,572.79	2.76%
-DIVISION 5 - METALS	\$ -		
Welders, Structural Steel	\$ 6,471,494.24		
Ornamental & Misc Metals	\$ 2,111,191.05		
-DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES	\$ -		
Carpenters	\$ 461,615.25	\$ 461,615.25	0.36%
-DIVISION 7 - THERMAL AND MOISTURE PROTECTION	\$ -		
Roofers, Waterproofers and Allied Workers	\$ 3,071,296.69		
Carpenters	\$ 358,450.56		
Painters and Allied Trades	\$ 2,551,370.95		
-DIVISION 8 - OPENINGS	\$ -		
Glaziers, Architectural Metal and Glass Workers	\$ 11,650,781.33		
Carpenters	\$ 1,395,755.03		
-DIVISION 9 - FINISHES	\$ -		
Carpenter, Drywall & Ceilings	\$ 1,871,134.52		
Flooring, Tile & Carpet	\$ 1,485,207.94		
Painters and Allied Trades	\$ 1,376,836.55	\$ 1,376,836.55	1.08%
-DIVISION 10 - SPECIALTIES	\$ -		
Carpenter, Restroom Specialties	\$ 1,205,924.77		
-DIVISION 11 - EQUIPMENT	\$ -		
Elevator Pit Sun Pump Provided and Install by the Prime	\$ 218,005.02		
-DIVISION 12 - FURNISHINGS	\$ -		
Window Shades Provided and Install by the Prime	\$ 634,563.20		
-DIVISION 13 - SPECIAL CONSTRUCTION	\$ -		
Ironworkers, Canopy	\$ 15,010,565.01		
Carpenter	\$ 314,881.11		
-DIVISION 14 - CONVEYING EQUIPMENT	\$ -		
Elevator Constructors	\$ 2,355,409.87		
-DIVISION 21 - FIRE SUPPRESSION	\$ -		
Sprinkler Fitters	\$ 2,313,035.03		
-DIVISION 22 - PLUMBING	\$ -		
Plumbers	\$ 4,559,442.39	\$ 4,559,442.39	3.58%
-DIVISION 23 - HVAC	\$ -		
Sheet Metal Workers	\$ 1,412,073.85		
Pipefitters (Air Conditioning, Refrigeration and Heating)	\$ 4,533,769.54		
-DIVISION 25 - INTEGRATED AUTOMATION	\$ -		
Electrician	\$ 781,004.32		
-DIVISION 26, 27 & 28 - ELECTRICAL, COMM, SAFETY	\$ -		
Electrician	\$ 9,954,390.35		
-DIVISION 31 - EARTHWORK	\$ -		
Laborers: Commercial Construction	\$ 1,442,074.33	\$ 1,442,074.33	1.13%
-DIVISION 32 - EXTERIOR IMPROVEMENTS	\$ -		
Laborers: Commercial Construction	\$ 1,578,304.93		
-DIVISION 33 - UTILITIES	\$ -		
Electrical Workers	\$ 172,294.29		
Plumbers	\$ 2,555,337.96		
LEED Allowance	\$ 6,816,968.17		
TOTALS	\$127,250,072.44	\$ 11,353,541.31	8.92%



Miami-Dade County Seaport Department
Project Analysis for Goal Recommendation (SBE-G&S)

Sub-trade	Estimate Cost	% of Item to Base Bid
01. Project Photography	\$177,241.17	0.15%
02. Security / Fencing	\$177,241.17	0.15%
03. Construction Cleaning Services	\$236,321.56	0.20%
04. Shop Drawings	\$177,241.17	0.15%
05. Scheduling / Estimating	\$708,964.69	0.60%
06. Field Surveying	\$472,643.13	0.40%
07. Temporary Utilities / Portable Toilets	\$472,643.13	0.40%
08. LEED Consultant (General Contractor's Rep.)	\$649,884.30	0.55%
12. Rental Equipment / Scaffolding	\$1,181,607.82	1.00%
13. Trash / Storage Containers (20 ton.)	\$472,643.13	0.40%
Estimated Construction Cost (SBE)	\$4,726,431.26	4.00%
Estimate Construction Cost (Total)	\$127,250,072.44	100.00%