

Memorandum



Date: January 4, 2019

To: Gary Hartfield, Division Director
Small Business Development

From: Juan Kuryla, Director *Juan Kuryla*
PortMiami

Subject: Recommendation for Non-exclusive Professional Services Agreement for PortMiami Transportation Master Plan, Contract No. E18-SEA-05, Project No. 2019-010
(Revised)

PortMiami respectfully requests that the Division of Small Business Development (SBD) reevaluate Contract No. E18-SEA-05 / Project No. 2019-010 – PortMiami Transportation Master Plan, to assign Architectural and Engineering (SBE-A/E) measures in order to proceed with the advertisement and subsequent bidding of the project. This revision is to increase the A/E cost for the project from \$2,200,000.00 to \$3,300,000.00.

Professional Services Agreement (PSA) for Portwide Traffic Impact Study and Master Roadway Plan: PortMiami is seeking a qualified Consultant to provide professional traffic planning services for the development of a Transportation Master Plan, which shall consist of two elements: a Traffic Impact Study and Conceptual Roadway Plan. The Transportation Master Plan will design the PortMiami ultimate roadway network, site circulation and access to meet future transportation needs for all modes, including cars, cargo trucks, rail, pedestrians, and transit.

The requested professional traffic planning services shall include, but not be limited to review of the existing roadway network, evaluation of expected traffic impacts due to future developments, identification of transportation network improvements, and development of a conceptual roadway network design to meet the needs of all PortMiami users and customers. In addition, services shall include any supportive ancillary tasks to the primary scope of services that may include, but is not limited to cost estimating and constructability review.

Traffic Impact Study

The Traffic Impact Study should include at a minimum:

- a) Analysis Years. The analysis years should be: 1) Existing conditions (Year 2019); 2) Short-term analysis (Year 2023) for roadways; and 3) Long-term analysis (Year 2033).
- b) Existing Conditions. Identify the physical characteristics of the roadway network adjacent to and within the study area and determine the traffic operating conditions of the roadway network using the County's adopted level of service (LOS) standards.
- c) Future Conditions.
 - a. Background Traffic. The expected increase in traffic from anticipated cruise and cargo growth should be accounted for in the short-term and long-term analyses.

- b. Address the need for new facilities, expansion of existing facilities, or any mobility improvements necessary to provide a safe and efficient transportation network, enhance mobility, and maintain the adopted LOS standards through the short-term (concurrency) and long-term time frames.
- c. Evaluate parking needs and access, including users, customers, provisioning, taxis, etc, as part of the analysis.
- d) Mitigation Analysis. This analysis is to determine if the proposed mitigation measures are sufficient to maintain the adopted LOS standards and to indicate if the proposed improvements will operate as anticipated.
 - a. The mitigation plans should consider phasing of the proposed development, funding requirements, and potential improvements projects.

Conceptual Roadway Plan

The roadway design should:

- a) Incorporate all data, cruise operations, cargo operations, traffic circulations and flows as provided by PortMiami staff.
- b) Provide for a design that addresses site circulation and access and accommodates the highest traffic capacity based on passenger counts and cargo capacity at peak times. Such design must incorporate parking for all Port-related needs.
- c) Provide for efficiencies, but not incorporate unnecessary movements that use valuable port land. Recommend design controls (such as intersections, flyovers, stop signs, and signalization) that are appropriate to handling capacity while not over designing the system.
- d) Provide a pedestrian access and mobility plan that promotes pedestrian safety and enhances the pedestrian environment (sidewalks, lighting, and access to/from terminals and parking facilities).
- e) Provide phasing plans if necessary to address traffic needs with no interruption to PortMiami operations.

Cost Estimate

The Consultant shall provide a cost estimate for the conceptual plan. Cost estimate should include roadway design; parking, paving, grading and drainage; utilities; signage; movement of traffic (MOT), and related costs.

A/E Technical Certification Categories required:

TC No.	Description	Percentage	Amount
1.04	PORT AND WATERWAY SYSTEMS PLANNING (Prime)	30%	\$ 990,000
3.01	SITE DEVELOPMENT AND PARKING LOT DESIGN (Prime)	7%	\$ 231,000
3.02	MAJOR HIGHWAY DESIGN (Prime)	20%	\$ 660,000
16.00	GENERAL CIVIL ENGINEERING (Prime)	5%	\$ 165,000
1.01	URBAN AREA AND REGIONAL TRANSPORTATION PLANNING	2%	\$ 66,000

1.02	MASS AND RAPID TRANSIT PLANNING	5%	\$ 165,000
2.02	MASS TRANSIT FEASIBILITY & TECHNICAL STUDIES	5%	\$ 165,000
3.03	BRIDGE DESIGN	2%	\$ 66,000
3.04	TRAFFIC ENGINEERING STUDIES	5%	\$ 165,000
3.05	TRAFFIC COUNTS	5%	\$ 165,000
3.06	TRAFFIC CALMING	1%	\$ 33,000
3.07	TRAFFIC SIGNAL TIMING	1%	\$ 33,000
3.08	INTELLIGENT TRANSPORTATION SYSTEM ANALYSIS, DESIGN, AND IMPLEMENTATION	2%	\$ 66,000
3.09	SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	5%	\$ 165,000
3.11	SIGNALIZATION	1%	\$ 33,000
11.00	GENERAL STRUCTURAL ENGINEERING	2%	\$ 66,000
15.01	LAND SURVEYING	2%	\$ 66,000
Total Estimated Professional Fees		100%	\$ 3,300,000

The prime consultant must hold Technical Certifications 1.04 Port and Waterway Systems Planning, 3.01 Site Development and Parking Lot Design, 3.02 Major Highway Design and 16.00 General Civil Engineering. Proposers shall be certified by Miami-Dade County at the time of their qualifications submittal in the Technical Certification Categories identified above.

The consultants proposing on this solicitation are preferred to have five (5) years of experience for similar work as described above with a completion of a minimum of three (3) comparable traffic impact studies as well as extensive relevant experience designing traffic circulation and roadways for seaport transportation hubs with a completion of a minimum of five (5) comparable highway designs. This expertise must be met by qualified individual(s) of the Prime Consultant's team. Interested Professional Firms (Consultants) shall be certified by Miami-Dade County at the time of qualifications submittal in the Technical Certification Categories identified above.

Prime and sub-consultants selected for PSAs under ISD Project No. E15-SEA-02, Program Management Consultant Services, and ISD Project No. E14-SEA-01R, Management Financial Consulting and Bond Engineering Services, will not be considered for award of a PSA under ISD Project No. E18-SEA-05.

The SBE-A/E goal recommendation is 18.00%. One (1) consultant/team of firms will be retained under a non-exclusive Professional Services Agreement (PSA) for an effective term of two (2) years. The maximum total compensation for this PSA is \$3,300,000.00, inclusive of a 10% contingency. Should you have any questions, please feel free to contact Mrs. Becky Hope at (305) 347-4972.

Attachments

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

Contract/Project Title PortMiami Transportation Master Plan
 Contract/Project No. E18-SEA-05 / 2019-010
 Description See attached Scope of Work
 Department Seaport Contact Becky Hope Phone (305) 347-4972
 Estimated Cost 1 Agreement for \$3,300,000.00 Funding Source Seaport Loans

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 _____			

RECOMMENDATIONS

<u>CBE 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>1.04 Port & Waterway Systems Planning (Prime)</u>	<u>\$ 990,000.00</u>	<u>30%</u>	<u>>3</u>
<u>3.01 Site Development and Parking Lot Design (Prime)</u>	<u>\$ 231,000.00</u>	<u>7%</u>	<u>>3</u>
<u>3.02 Major Highway Design (Prime)</u>	<u>\$ 660,000.00</u>	<u>20%</u>	<u>>3</u>
<u>16.00 General Civil Engineering (Prime)</u>	<u>\$ 165,000.00</u>	<u>5%</u>	<u>>3</u>
<u>1.01 Urban Area and Regional Transportation Planning</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>>3</u>
<u>1.02 Mass and Rapid Transit Planning</u>	<u>\$ 165,000.00</u>	<u>5%</u>	<u>>3</u>
<u>2.02 Mass Transit Feasibility & Technical Studies</u>	<u>\$ 165,000.00</u>	<u>5%</u>	<u>>3</u>
<u>3.03 Bridge Design</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>>3</u>
<u>3.04 Traffic Engineering Studies</u>	<u>\$ 165,000.00</u>	<u>5%</u>	<u>>3</u>

<u>3.05 Traffic Counts</u>	<u>\$ 165,000.00</u>	<u>5%</u>	<u>>3</u>
<u>3.06 Traffic Calming</u>	<u>\$ 33,000.00</u>	<u>1%</u>	<u>>3</u>
<u>3.07 Traffic Signal Timing</u>	<u>\$ 33,000.00</u>	<u>1%</u>	<u>>3</u>
<u>3.08 Intelligent Transportation System Analysis, Design, and Implementation</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>>3</u>
<u>3.09 Signing, Pavement Marking, and Channelization</u>	<u>\$ 165,000.00</u>	<u>5%</u>	<u>>3</u>
<u>3.11 Signalization</u>	<u>\$ 33,000.00</u>	<u>1%</u>	<u>>3</u>
<u>11.00 General Structural Engineering</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>>3</u>
<u>15.01 Land Surveying</u>	<u>\$ 66,000.00</u>	<u>2%</u>	<u>>3</u>
Total	<u>\$3,300,000.00</u>	<u>100%</u>	<u></u>
Basis for Recommendation _____			

By: Seaport Department _____		Date to SBA/DPM _____	