


Date: October 5, 2022

To: Gary Hartfield, Division Director
Small Business Development Division
Internal Services Department


From: Alfredo E. Muñoz, P.E.
Chief, Capital Improvements
Department of Transportation and Public Works

Subject: Notice of Consultant Services:
Project No. E22-DTPW-03
Contract No. 20220112
Scope Of Services for Project Development and Environment (PD&E) Studies

RECOMMENDATION

Department of Transportation and Public Works (DTPW) Capital Improvements staff completed the review of Design/Build Services project 20220112 in accordance with the applicable provisions of Implementing Order 3-22 and requested the review and approval from Small Business Division (SBD). Attached is the Project Measure Analysis and Recommendation along with other supporting documentation.

Scope of Work:

The PD&E Studies have the following project objectives:

- The CONSULTANT is to study the major rehabilitation and/or replacement of the existing Bear Cut Bridge (Bridge No. 874544) and other bridges along the Rickenbacker Causeway as necessary. The CONSULTANT must evaluate other feasible alternatives, which will include refinements, if applicable. However, since the goal is the rehabilitation and/or replacement of the existing bridges, the CONSULTANT will study improvements along the existing corridor.
- The CONSULTANT will analyze and assess the Project's impacts on the social, economic, cultural, natural, and physical environment, in order to develop the Location and Design Concept of the Project in accordance with FDOT policy, procedures, and requirements.
- The CONSULTANT shall review and become familiar with Project documents and materials that have been prepared prior to the PD&E phase. The CONSULTANT will review the Efficient Transportation Decision Making Process (ETDM) Programming Screen Summary Report,

including comments received from the Environmental Technical Advisory Team (ETAT), Lead Agency, and / or any responses from the District pertaining to this Project. The CONSULTANT shall also review concepts and reports (e.g., typical sections, alignments, planning reports) developed from prior planning studies. The CONSULTANT shall use resource agencies' comments to assess the level of effort for work activities required to adequately address potential resources of concern to this Project.

- The anticipated Class of Action (COA) is an Environmental Assessment. However, it is the responsibility of the CONSULTANT to evaluate, analyze, and propose any opportunities to downgrade the COA and accelerate the project.
- The CONSULTANT shall perform the Studies to meet the requirements of the State of Florida and Federal Agencies to ensure the Projects are eligible for State and Federal funding.

Engineer Project Total Cost Estimate
(Including Contingency): \$5,000,000.00

SBE A/E Measure: 25.00%

CWP Goal: As applicable

BACKGROUND

The Department of Transportation and Public Works (DTPW) requires professional services for the Project Development and Environmental Study, design, management, and administrative services as needed to assist in the planning and analysis of the alternatives for continued rehabilitation or replacement of the Bear Cut Bridge, and other bridges along the Rickenbacker Causeway. The firm will provide DTPW with the required study, reports and LDCA approval for the project with the intention of seeking State and Federal Funds to assist in the final preferred alternative. It is in the best interest of the County, its residents, and stakeholders to evaluate the long-range plan for the structure and future cost of implementing the preferred alternatives.

If any additional information is needed, please call me at (305) 375-2097, or Katherine Fernandez at (305) 375-2726.


AM/kf

C: Laurie Johnson, ISD/SBD
Alice Hidalgo-Gato, ISD/SBD
Jhonnatan Escalante, ISD/SBD
Lin Li, P.E, PROS

File
Katherine Fernandez, DTPW

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION

To: Gary Hartfield, Division Director
Small Business Development Division
Internal Services Department

From: 
Alfredo E. Munoz, P.E.
Chief, Capital Improvements Section
Department of Transportation and Public Works

Date: October 5, 2022

CONTRACT INFORMATION

DTPW Project No.: 20220112
ISD Project No.: DB22-DTPW-03
Project Title: Scope Of Services for Project Development and Environment (PD&E) Studies
Re-submittal: Yes
 No

Estimated Project Total Cost (including Contingency): \$ 5,000,000.00

Funding Source: Causeway Toll Revenue
Bonding Requirements: Bid Bond– 5% of base bid amount
Performance Bond- 100% of Contract Award Amount

PROJECT INFORMATION

Scope of Work

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Project No.: DB22-DTPW-03 (20220112) – Submittal.
Project Title: Scope Of Services for Project Development and Environment (PD&E) Studies

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- The CONSULTANT shall review and become familiar with Project documents and materials that have been prepared prior to the PD&E phase. The CONSULTANT will assist in the preparation, coordination, and review of the Efficient Transportation Decision Making Process (ETDM) Programming Screen Summary Report, including comments received from the Environmental Technical Advisory Team (ETAT), Lead Agency, and / or any responses from the District pertaining to this Project. The CONSULTANT shall also review concepts and reports (e.g., typical sections, alignments, planning reports) developed from prior planning studies. The CONSULTANT shall use resource agencies' comments to assess the level of effort for work activities required to adequately address potential resources of concern to this Project.
- The anticipated Class of Action (COA) is an Environmental Assessment. However, it is the responsibility of the CONSULTANT to evaluate, analyze, and propose any opportunities to downgrade the COA and accelerate the project.
- The CONSULTANT shall perform the Studies to meet the requirements of the State of Florida and Federal Agencies to ensure the Projects are eligible for State and Federal funding.

Design:

The sensitivity of the work area requires highly specialized consultants for the design phase of this project; therefore, DTPW recommends the following certifications for SBE A/E goal: 3.04, 3.05, 3.07, 3.10, 3.11, 9.01, 9.02, 15.01, 15.02 and 15.03. See table below.

A/E Consultant Selection: Technical Certification Categories:

Scope Of Services for Project Development and Environment (PD&E) Studies

Type	Code	Description	(%)	Amount
Prime	1.01	Urban Area and Regional Transportation Planning	5%	\$250,000
Prime	3.02	Major Highway Design	20%	\$1,000,000
Prime	3.03	Bridge Design	20%	\$1,000,000
Sub	3.04	Traffic Engineering Studies	3%	\$150,000
Sub	3.05	Traffic Counts	2%	\$100,000
Sub	3.07	Traffic Signal Timing	2%	\$100,000
Sub	3.09	Signing, Pavement Marking, and Channelization	2%	\$100,000
Sub	3.10	Lighting	2%	\$100,000
Sub	3.11	Signalization	2%	\$100,000
Sub	9.01	Drilling, subsurface investigations	3%	\$150,000
Sub	9.02	Geotechnical and Materials Engineering Services	3%	\$150,000
Sub	9.03	Concrete and Asphalt Testing Services	2%	\$100,000
Sub	9.04	Non-destructive testing and inspections	2%	\$100,000

**MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Sub	9.06	Asbestos Testing, Other Hazardous Materials Testing (Lead)	2%	\$100,000
Sub	10.01	Stormwater drainage design engineering services	3%	\$150,000
Sub	10.05	Contamination Assessment and Monitoring	2%	\$100,000
Sub	11.00	General Structural Engineering	2%	\$100,000
Sub	12.00	General Mechanical Engineering	2%	\$100,000
Sub	13.00	General Electrical Engineering	2%	\$100,000
Sub	14.00	Architecture	2%	\$100,000
Sub	15.01	Land Surveying	2%	\$100,000
Sub	15.02	Aerial Photogrammetry	4%	\$200,000
Sub	15.03	Underground Utility Location	2%	\$100,000
Sub	15.04	Surveying and Mapping - Hydrographic Surveys	2%	\$100,000
Sub	19.01	Transportation Planning	6%	\$300,000
Sub	19.03	Highway Systems	1%	\$50,000
		Total of technical categories to be included for SBE A/E goal	25%	\$1,250,000.00

RECOMMENDATION

DTPW Areas recommended for SBE Subcontractor Goal:

SBE A/E Measure:	25%
SBE Construction Measure:	N/A
SBE Good and Services	N/A
CWP:	As Applicable

Reason for Recommendation:

The recommendations are based on the information provided in the attached cost estimate and the DTPW experience from previous projects on the same area.