

Memorandum



Date: July 21, 2017

To: Laurie Johnson
SBD Section Chief
Small Business Development
Internal Services Department

A handwritten signature in blue ink, appearing to read "F. Ponassi", written over a horizontal line.

From: Fernando V. Ponassi, MA Arch., MA PPA, LEED®AP
Manager, Contracts Administration Section
Design and Construction Services Division
Internal Services Department

Subject: Notice of Design-Build Project - ISD Project No. DB17-ISD-01 GOB ESP/ISD Contract No. Z000144, Design-Build Services for Electrical Repairs at the Miami-Dade County Courthouse

The Internal Services Department (ISD) is requesting that the subject project be reviewed for Small Business Enterprise-Architecture & Engineering (SBE-A&E), Small Business Enterprise-Construction (SBE-Cons), and Small Business Enterprise-Goods and Services (SBE-G&S) measure. The project scope results on a base estimate cost of \$300,000 for the design portion, and a base estimate cost of \$3,000,000 for the construction portion. The total estimated cost of the project, including contingency allowances, is **\$3,630,000**.

The project consists of design and construction services to rectify multiple code violations and to upgrade the electrical infrastructure at the basement level and all above floors of the Miami-Dade County Courthouse. The rectifications will consist of the repair of minor and major electrical issues, which include, but are not limited to, the replacement of existing main switchboards at the basement level serving the facility; replacement of all electrical panels containing existing Edison-base fuses; replacement of all cloth insulated wiring throughout the facility (main and branch distribution system); replacement of existing damaged and oxidized electrical junction boxes; expansion of access to existing electrical closets to comply with the National Electric Code (NEC) clearance requirements; new double doors to replace existing narrow single doors; replacement of existing light fixtures within the electrical closets to maintain new lighting control through a wall switch as per NEC 210.70; and the repair and installation of fire penetrations through fire-rated walls and/or floors.

Many repairs and improvements addressed in the contract documents are required to satisfy the deficiencies found by a 40-Year Recertification inspection. The electrical improvements shall be designed and installed in accordance with the contract documents and the Design Criteria Package, and shall comply with all applicable laws, standards, and regulations, the Florida Building Code, and any other applicable codes. The following Technical Certifications for the design portion of this project are required:

A&E Technical Certification Categories

Description	Percentage	Amount	Availability
13.00 General Electrical Engineering (PRIME)	75%	\$225,000	
14.00 Architecture	5%	\$15,000	Proposed
17.00 Engineering Construction Management (PRIME)	20%	\$60,000	Proposed
Total Estimated Design Fees	100%	\$300,000	

Minimum qualifications will be required, as follows:

- 1) Lead Consultant will be required to be certified in Technical Categories 13.00 and 17.00, and must demonstrate experience on one (1) completed project of similar scope, size, and complexity.
- 2) Consultant will be required to be certified in Technical Categories 14.00

It is recommended that a **25.00% SBE-A&E** goal be established for this project. Applicable trades for the construction portion of the project will be required to perform rectifications of multiple code violations and the improvement of the electrical infrastructure at the basement level and all above floors of the Miami-Dade County Courthouse with the incorporation of the expansion of existing electrical closets to meet clearances as required by NEC. For further details, please see Departmental Input Construction Contract/Project Measure Analysis and Recommendation (attached). It is also recommended that a **25.66% SBE-Cons** goal and a **2.57% SBE-G&S** goal be established for this project.

In order to finalize the Request for Design-Build Services of this project, we would like to request a determination from your office. Should you have further questions, please feel free to contact Aundria Blatch, Project Manager, at (305) 375-5339.

cc: Asael Marrero, AIA, Division Director, DCS
Francisco Suarez, RA, LEED®AP, Manager, DCS
Aundria Blatch, Project Manager, DCS
Curt Williams, Sr. Consultant Selection Coordinator, ISD
Project File

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.: **DB17-ISD-01 GOB ESP / Z000144**

Contract/Project Title: **Design-Build Services for Miami-Dade County**
 Courthouse – Electrical Repairs

Description/Scope of Work: The project consists of the design and construction for the rectifications of multiple code violations and the upgrade of the electrical infrastructure at the basement level and all above floors of the Miami-Dade County Courthouse. The rectifications will consists of the repair of minor and major electrical issues, which include but is not limited to: the replacement of existing main switchboards at the basement level serving the facility, replacement of all electrical panels containing existing Edison-base fuses, replacement of all cloth insulated wiring throughout facility (main and branch distribution system), replacement of existing damaged and oxidized electrical junction boxes, expansion of access to existing electrical closets to comply with the National Electric Code (NEC) clearance requirements, new double doors to replace existing narrow single doors, replacement of existing light fixtures within the electrical closets to maintain new lighting control through a wall switch as per NEC 210.70, as well as the repair and installation of fire penetrations through fire rated walls and/or floors. Many repairs and improvements addressed in the contract documents are to satisfy the deficiencies found from a 40-Year Recertification inspection. The electrical improvements shall be designed and installed in accordance with the Contract Documents and the Design Criteria Package, and comply with all applicable laws, standards, and regulations, the Florida Building Code and any other applicable codes.

Estimated Cost: **\$ 3,000,000**

Funding Source: **Index Code CPL351OC0092**

Project Location: **73 West Flagler Street, Miami, FL 33130**

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP)

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
01. General Requirements	4	112
02. Site Construction	-	-
03. Concrete	-	-
04. Masonry and Stone	-	-
05. Metal	-	-
06. Wood and Plastic	-	-
07. Thermal and Moisture Protection	6	168
08. Doors and Windows	3	84
09. Finishes	4	112
10. Specialties	-	-
11. Equipment	-	-
12. Furnishings	-	-
13. Special Construction	-	-
15. Mechanical	-	-
16. Electrical	16	604

Comments: N/A

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (SBE-Cons)

Sub-Trade	Estimated Cost	% of Item to Base Bid	Availability
01. General Requirements	\$360,000	12.00%	
02. Site Construction	-	-	
03. Concrete	-	-	
04. Masonry and Stone	-	-	
05. Metal	-	-	
06. Wood and Plastic	-	-	
07. Thermal and Moisture Protection	\$20,000	0.67%	
08. Doors and Windows	\$10,000	0.33%	
09. Finishes			
09.01 Metal Framing/Gypsum Board	\$25,000	0.83%	
09.02 Painting	\$15,000	0.50%	
10. Specialties	-	-	
11. Equipment	-	-	
12. Furnishings	-	-	
13. Special Construction	-	-	
15. Mechanical	-	-	
16. Electrical			
16.01 Service/Distribution Panels	\$480,000	16.00%	Proposed
16.02 Circuit Breakers/Safety Switches	\$290,000	9.66%	Proposed
16.03 Conduit and Wiring	\$1,755,000	58.50%	
16.04 Lighting and Controls	\$45,000	1.51%	
ESTIMATED CONSTRUCTION COST (SBE-Cons)	\$3,000,000	100.0%	

RECOMMENDATION

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

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (SBE-G&S)

Sub-Trade	Estimated Cost	% of Item to Base Bid	Availability
01. Project Photography	\$4,000	0.13%	Proposed
02. Security/Fencing	\$6,000	0.20%	Proposed
03. Construction Cleaning Services	\$28,000	0.93%	Proposed
04. Shop Drawings	\$4,000	0.13%	Proposed
05. Scheduling/Estimating	\$2,000	0.07%	Proposed
07. Temporary Utilities/Portable Toilets	\$6,000	0.20%	Proposed
08. LEED Consultant (General Contractor's Rep.)	\$8,000	0.27%	Proposed
12. Rental Equipment/Scaffolding	\$7,000	0.23%	Proposed
13. Trash/Storage Containers (20 tons.)	\$12,000	0.40%	Proposed
ESTIMATED CONSTRUCTION COST (SBE-G&S)	\$77,000	2.57%	Proposed
ESTIMATED CONSTRUCTION COST (TOTAL)	\$3,000,000	100.00%	

RECOMMENDATION

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

Basis for Recommendation: ISD respectfully requests that a 25.66% SBE-Cons goal, and a 2.57% SBE-G&S goal be established for this.

Date submitted to SBD/RER: July 21, 2017
Contact Person: Aundria Blatch, Project Manager, ISD
Telephone No.: 305-375-5339