

Date: August 13, 2014

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

From: James Ferreira, P.E. 
Engineer 2
Public Works and Waste Management
Department

Subject: Notice of Consultant Services:
Project No. E14-PWWM-07
Request to Advertise (RTA) for Construction
Engineering and Inspection (CEI) Services &
Florida Department of Transportation (FDOT)
Local Agency Program (LAP) Compliance
Services for PWWM Project No. 20140081,
Tamiami Canal Bridge Replacement, FM
#416658-1

RECOMMENDATION

Public Works and Waste Management (PWWM) Capital Improvements Section staff is recommending a 8.6% Disadvantaged Business Enterprise (DBE) participation goal as per the FDOT LAP Agreement. The total estimated cost is \$2,000,000.00.

BACKGROUND

The swing bridge that currently spans the Tamiami Canal in the vicinity of NW 30 Avenue and NW South River Drive is one of the oldest bridges in the Miami River System, and is eligible for listing in the National Register of Historic Places. PWWM Project No. 20140081 will relocate the bridge to span the C-5 Canal west of NW 22 Avenue between the Miami Police Benevolent Association Park and Fern Isle Park and will install a new concrete bascule bridge once the swing bridge has been relocated. Work also includes relocation of the existing 24-inch water main. Project No. The Consultant under this requested service will provide CEI and FDOT LAP Compliance services for PWWM Project No. 20140081 as a requirement of the FDOT LAP agreement.

SCOPE OF SERVICES

CEI and FDOT LAP Compliance Services (Consultant) for the Construction of PWWM project No. 20140081, Tamiami Canal Bridge Replacement FM# 416658-1 includes:

- Consultant is required for all construction aspects of the Project including roadway, drainage improvements, signing and pavement markings, bridge/roadway lighting, structural mechanical and electrical components, abutments, compliance with the National Register of Historic Places, underwater inspection, and environmental requirements.
- The Consultant cannot have been involved in performing construction work pertaining to this Project.
- The Consultant reports directly to Engineer.
- Engineer will provide the Consultant at the Pre-Work Conference a “CEI Guidelines and Guide Scope of Work Manual” (CEI Guide) that is based on FDOT standard procedures and templates including the CEI Scope of Services available at <http://www.dot.state.fl.us/construction/DesignBuild/ConsultantCEI/ConsultantMain.shtm> and the FDOT Construction Project Administration Manual available at <http://www.dot.state.fl.us/construction/manuals/cpam/CPAMManual.shtm>; subject to the requirements of Miami-Dade County PWWM and the Contract Documents.
- Among other duties stipulated in the Engineer approved CEI Guide, the Consultant is required to:
 - Ensure that the Contractor meets all Contractor Quality Assurance and Control requirements of the Contract Documents including the Contractor’s Quality Control Plan (CQCP) and personnel qualification requirements of Article 105 of the FDOT Standard Specifications for Road and Bridge Construction;
 - Review and provide the Engineer with comments on the CQCP submitted by the Contractor;
 - Identify potential problems, provide utility coordination, inspection of all stages of the construction/installation, scheduling and cost estimation, claims review, shop drawing review and approval, inspection reporting and documentation, and review punch lists, as-built plans, record drawings and close-out documents.
 - Perform daily inspections for all work and prepare and submit to the County, and as requested by FDOT, daily reports of all work occurring during the Construction phase of the Project;
 - Administer, monitor, and inspect the Construction Contract such that the Project is constructed in reasonable conformity with the Plans, Specifications, and all requirements of the Construction Documents;

- Monitor the Contractor's on-site construction activities and inspect materials entering into the Work in accordance with the Plans, Specifications, and all requirements of the Construction Documents;
- Participate in weekly progress meetings with County and FDOT representatives and the Contractor, provide a weekly summary of the meetings to Engineer, and follow-up on all construction related issues until resolution.
- Perform underwater bridge construction inspections of bridges with permanently submerged structural members;
- Observe the Contractor's work to determine the progress and quality of work. Identify discrepancies and report them to the Engineer, and direct the Contractor, with the Engineer's concurrence, to correct such observed discrepancies; and
- Provide a final certification that the Work was done in accordance with all of the pertinent Codes, Plans, Specifications and all other Contract requirements of the Project. This certification is in addition to the final certification that must be provided by Contractor.
- Provide services that must comply with FDOT manuals, procedures, and memorandums in effect as of the date of execution of the Agreement unless otherwise directed in writing. Such FDOT manuals, procedures, and memorandums are found at the FDOT State Construction Office's website.
- Verify that the contractor is in compliance with the requirements of the FDOT Laboratory Information Management System (LIMS), confirming that the materials, samples and records are accurate.
- Monitor the Contractor's performance of Construction Contract for compliance with all requirements of the Equal Employment Opportunity (EEO) and Affirmative Action (AA), Disadvantage Business Enterprise (DBE), On-the-Job Training (OJT) and federal Wage Rate Provisions required by the FHWA 1273 Required Contract Provisions Federal-Aid Construction Contracts and applicable Florida Statutes.
- Responsible to meet with FDOT designee in order to respond to construction and post construction audits.

QUALIFICATIONS:

1. Certification:

- a. Miami Dade County Technical Certification Category 17.00

2. Experience:

- a. Minimum 10 years of experience with the construction of bascule bridges.
- b. Minimum 5 years of experience with bridge related projects which involve the Historical Preservation Board.
- c. Minimum 5 years of experience with compliance of federally funded projects including knowledge of FDOT State Materials Office, Laboratory Information Management System (LIMS).

CEI & FDOT LAP Consultant Selection: Technical Certification Categories:

	CEI & FDOT LAP Services for the Tamiami Canal Bridge Replacement, FM #416658-1. Miami-Dade County		
17.00	Engineering Construction Management	100%	\$2,000,000
		100%	\$2,000,000

Recommended DBE Participation: 8.6%

If any additional information is needed, please call me at (305) 375-3267, or Alejandro Martinez-Esteve at (305) 375-2930.

JPF/jpf

Attachments (2)

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| <p>C: Laurie Johnson, ISD/SBD
 Alice Hidalgo-Gato, ISD/SBD
 Vivian Forhat-Diaz, ISD/SBD
 Bassam Moubayed, PWMM
 Alejandro Martinez-Esteve, PWMM
 Alfredo Munoz, PWMM
 Dianah Coakley, PWMM</p> | <p>Gaspar Miranda, PWMM
 Leandro Ona, PWMM
 Javier Heredia, PWMM
 Juan Santandreu, PWMM
 Marcos Redondo, PWMM
 Lisset Cabrera, PWMM
 File</p> |
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