

Date: March 24, 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:
PWWM Project No. 20140028
Project No. E14-PWWM-05
Request to Advertise (RTA) for Design
Services for the Replacement of the North
Miami Avenue North of NW 146 Street Bridge
No. 874035
DESIGN

RECOMMENDATION

It is recommended that Small Business Development (SBD) review and approve the attached Community Business Enterprise Program for Architectural, Engineering Services (CBE-A/E) contract measure for **Project No. E14-PWWM-05, RTA for design services for the Replacement of the North Miami Avenue North of NW 146 Street Bridge No. 874035**. The Contracts and Specifications staff has evaluated the subject project and recommends a CBE Sub-consultant goal of **10%** or \$20,700 based on the project scope and applicable requirements of the RTA. The cost estimate for this RTA is \$207,000.00. Additionally, staff has checked the availability of CBE firms and attached the PWWM Project Measure Analysis and Recommendation findings along with other supporting documents for your consideration.

BACKGROUND

The existing bridge is a functionally obsolete structure built in 1947, located on North Miami Avenue approximately 400 feet north of NW 146th Street crossing over the Biscayne Canal. The bridge has numerous deficiencies such as cracks in the roadway surface, and in the supporting caps and piles, corrosion of the supporting steel beams, expansion joint deterioration, embankment slope protection deterioration, etc. Additionally, it does not meet current criteria for pedestrian traffic and does not provide for bicycle facilities. The railings do not meet current crash resistance criteria and the approach guardrails do not meet current criteria either.

Miami-Dade County Public Works and Waste Management Department has the need to establish one (1) Non-exclusive Professional services Agreement (PSA) to provide engineering design and Post-design services in the preparation of complete construction documents for the replacement of the existing North Miami Avenue North of NW 146 Street Bridge (Bridge No. 874035). The project shall include the complete replacement of the bridge. The work includes, but is not limited to roadway approaches, maintenance of traffic, utility impacts, geotechnical investigations, preparation of any required special provisions, quantities, cost estimates, load rating, permits and all of the necessary incidental items for a complete project.

The Consultant will be required to become familiar with the existing bridge as well as any existing documents, such as plans, studies, and to incorporate any findings in the preparation of the required documents in order to allow PWWM to secure a construction bid.

The Consultant will also be required to prepare and submit for approval a Bridge Report after consultation with County staff and prior to plans preparation, describing the project limits, typical sections, possible design exceptions, methods of construction and utility relocations, and the results of the public involvement efforts required by County Ordinances.

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

JF/jf

Attachments (2)

C:	Kelly Duncombe, ISD/SBD	Gaspar Miranda, PWWM
	Coralee Taylor, ISD/SBD	Leonardo Ona, PWWM
	Laurie Johnson, ISD/SBD	Javier Heredia, PWWM
	Alice Hidalgo-Gato, ISD/SBD	Eric Steinberg, PWWM
	Vivian Forhat-Diaz, ISD/SBD	Frank Aira, PWWM
	Marcos Redondo, PWWM	Bassam Moubayed, PWWM
	File	

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Project: PWWM Project No. 20140028
Project No. E14-PWWM-05
Replacement of Bridge No. 874035
N. Miami Ave. North of NW 146th Street
Miami-Dade County

DESIGN SCOPE:

1. Preparing contract documents for the full replacement of the existing bridge 874035.
2. A site visit and preparation of a report of the site conditions and the impact on the proposed replacement.
3. The work shall include roadway approaches, walls, MOT, utilities, survey, geotechnical, lighting, and any other associated work. The typical section and project limits will be determined in consultation with County staff.
4. The work shall also include the preparation of all permit applications and obtaining the actual permit when possible.
5. Public involvement in accordance with County requirements.
6. The contract documents shall include plans, calculations, specifications, cost estimates, permit documents, etc.
7. All documents to be signed and sealed by a Florida registered Professional Engineer.
8. Post-design services shall be included, including field inspections, shop drawing reviews, etc.

Funding Source: Road Impact Fee District 3

A/E Consultant Selection: Technical Certification Categories:

	Replacement of Bridge No. 874035. N. Miami Ave. North of NW 146 th Street. Miami-Dade County		
3.02	Highway Design	30%	\$62,100
3.03	Bridge Design	55%	\$113,850
3.09	Signing, Pavement Markings and Channelization	5%	\$10,350
9.01	Drilling, Subsurface Investigations and Seismographic Services	3%	\$6,210
9.02	Geotechnical and Material Engineering services	2%	\$4,140
15.01	Land Surveying	5%	\$10,350
		100%	\$207,000

Recommended CBE Participation: 10%: Items 9.01, 9.02, & 15.01

Analysis of the factors contained in Administrative Order 3-32, indicate that a CBE-A/E Sub-consultant Goal may be appropriate for this project. Additionally, staff has met with SBD's Construction Project Manager, and concluded that there appears to be sufficient availability of CBE firms for the recommended areas to participate on this request to advertise for design services.

Comments:

DESIGN:

- There are no special and/or minimum requirements the Lead Designer and/or sub-consultants should possess.
- Technical Certification category 3.02 and 3.03 are the only Technical Categories that the Lead Designer must hold.