

This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.

**MIAMI-DADE COUNTY, FLORIDA
REQUEST FOR DESIGN-BUILD SERVICES
DEPARTMENT OF PUBLIC WORKS AND WASTE MANAGEMENTT (PWWM)
DESIGN-BUILD SERVICES FOR THE VENETIAN CAUSEWAY BRIDGE
REHABILITATION, BRIDGE NO. 874459
PROJECT NO. DB14-PWWM-01**

The County Mayor, Miami-Dade County (County), pursuant to Section 287.055, Florida Statutes, 2-8.1 and 2-10.4 of the Miami-Dade County Code and Administrative Order 3-39, announces that design-build services are required for the Department of Public Work and Waste Management (PWWM) for the Venetian Causeway Bridge Rehabilitation, Bridge No. 874459.

Work under this Contract includes furnishing of all supervision, labor, materials, tools, equipment and performing all operations required to construct the Work in accordance with the Contract Documents.

Work includes all design and construction services necessary to rehabilitate the westernmost portion of Bridge No. 874459/Venetian Causeway in Miami-Dade County by removing and disposing, in an artificial reef, of approximately 730'-9" of the bridge's westernmost superstructure and substructure between the first abutment and the expansion joint at the end of the cantilevered beams, and replacing with a new complete bridge superstructure and substructure meeting the requirements of the Contract Documents. All work shall be performed during a full closure of the Causeway bridge. Work includes but is not limited to providing all geotechnical, survey, and design services necessary to produce the required construction documents, engineering plans, traffic control and maintenance of traffic plans (including signs, variable message boards, markings, etc. to detour traffic); project permitting; public involvement plan; and all project coordination.

The Venetian Causeway is on the National Register of Historic Places. The DESIGN-BUILDER must coordinate the Work with all applicable agencies and provide a new bridge superstructure and substructure that preserves and matches all historic aspects and bridge characteristics of the existing structures while meeting all current standards as specified in the Contract Documents. This includes all necessary work and features necessary to neatly integrate the Work with the portions of the bridge and roadway that remain.

Requirements for the Design-Builder:

A. General:

1. The Design-Builder shall meet the requirements stated below. A Design-Builder is defined as a partnership, corporation, or other legal entity that:

a. Is certified under Section 489.119, Florida Statutes, to engage in contracting through a certified or registered general contractor or a certified or registered building contractor as the qualifying agent; or

This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.

b. Is certified under Section 471.023, Florida Statutes, to practice engineering; certified under Section 481.219 to practice architecture.

2. All interested Design-Builders must comply with the following:

a. Proposer must be prequalified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-22, Florida Administrative Code, to bid and perform the work described in the Contract Documents. Required FDOT prequalification(s) necessary to perform the Work specified in the Contract Documents include the Major Bridge (Bridges Of Conventional Construction Which Are Over A Water Opening Of 1,000 Feet Or More). Design-Builders seeking consideration shall submit along with the proposal submittal package for review and consideration, current copies of their FDOT Certificate(s) of Qualification, Certification of Work Underway, and Status of Contract(s) On Hand.

3. The Design-Builder, through full time personnel employed by the Design-Builder, must demonstrate a minimum of five (5) years of continual experience from the date of this solicitation as the prime contractor in projects with scopes comparable to the Project Scope of Work. Demonstrate the experience requirement by including along with the submittal package:

a. A detailed description of projects, similar to the Project Scope of Work, in which the Design-Builder is currently engaged or has completed within the past ten (10) years from the date of this solicitation.

b. List and describe those projects performed for government clients, similar size private entities, and any work performed for the County. Identify for each project a) the client, b) description of work, c) total dollar value of the contract, d) contract duration, e) customer contact person and phone number for reference, f) statement or notation of whether Design-Builder is/was the prime contractor or subcontractor, and g) the results of the project.

B. Design Team:

1. Technical Certification category 3.02 & 3.03 is the only Technical Categories that the Lead Designer must hold.

2. Proposers are required to be pre-qualified by Florida Department of Transportation (FDOT) in all work types required for the Project and satisfy all technical qualification requirements of Chapter 14-75 F.A.C.

3. The A/E Design Team, through full time personnel employed by the A/E Design Team, must demonstrate a minimum of five (5) years of continual experience from the date of this solicitation as the prime consultant in projects with scopes comparable to the Project Scope of Work. Demonstrate the experience requirement by including along with the submittal package:

This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.

a. A detailed description of projects, similar to the Project Scope of Work, in which the A/E Design Team is currently engaged or has completed within the past ten (10) years from the date of this solicitation.

b. List and describe those projects performed for government clients, similar size private entities, and any work performed for the County.

c. Identify for each project a) the client, b) description of work, c) total dollar value of the contract, d) contract duration, e) customer contact person and phone number for reference, f) statement or notation of whether the A/E Design Team is/was the prime consultant or subconsultant, and g) the results of the project.

4. The Design-Builder shall employ geotechnical and drilled shaft testing consultants with the following minimum qualifications:

a. Use professional engineers registered in the State of Florida with at least five (5) years of post-registration experience in drilled shaft foundation design and construction. The Geotechnical Engineer of Record (GEOR) for the foundation design must have designed and worked on at least three (3) bridge projects with drilled shaft foundations. This "responsible charge" experience shall include verifiable and successful implementation of static, Osterberg Cell and/or Statnamic load test results, and evaluation of pilot hole data. All designs must be signed and sealed by the GEOR for the foundation design.

b. A testing plan shall be submitted by the Geotechnical Engineer of Record (GEOR) to determine shaft tip elevations. The plan shall be submitted to the County and the County issue approval prior to the start of any testing. This Licensed Professional Engineer registered in Florida must have been in responsible charge of this type of work for at least five (5) similar bridge projects.

C. Construction Team:

1. The Design-Builder shall employ Drilled Shaft Superintendents with the following minimum qualifications:

a. Use drilled shaft superintendents or foremen in responsible charge of drilling operations with experience in installing drilled shafts of the size and depth proposed and for the project for a period of not less than three years.

2. The DESIGN-BUILDER shall utilize a single dedicated person responsible for managing all utility coordination. This person shall be contractually referred to as the Utility Coordination Manager and shall be identified in the DESIGN-BUILDER's proposal. The DESIGNBUILDER shall notify the County in writing of any change in the identity of the Utility Coordination Manager. The Utility Coordination Manager shall have the following knowledge, skills, and abilities:

a. A minimum of 4 years of experience performing utility coordination in accordance with County and FDOT standards, policies, and procedures. Additional Information –

This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.

Permits, Licenses, Certifications, and General Regulations Permits that are issued by the Public Works Department, Miami-Dade County for construction within the public right-of-way, as well as additional permits, which may be required by other municipalities or agencies, including those required for tree removal, **will be the responsibility of the Contractor.**

County Road Construction Projects – NO PERMITS issued to sub-contractors. Except work related to Traffic Signalization, School Flashing Signals, Internally Illuminated Street Name Sign (IISNS), Street lighting, and Traffic Signal Loops which will require a separate permit issued to an Electrical Contractor to perform such work.

Pavement Markings and Signage

- A. The work under pavement markings and signage (Thermoplastic traffic stripes and Markings) consists of placing traffic stripes and markings using a material of the type that is extruded onto the pavement surface in a molten state by mechanical means, with surface application of glass spheres. Upon cooling to normal pavement temperature these materials shall produce an adherent reflectorized pavement marking of specified thickness and width and be capable of resisting deformation by traffic.

The cost estimate for this project is \$7,670,318.

A/E TECHNICAL CERTIFICATION REQUIREMENTS

LEAD A/E CONSULTANT

- 3.02 Highway Systems – Bridge Design
- 3.03 Highway Design

LEAD A/E CONSULTANT AND/OR A/E SUBCONSULTANTS

- 3.09 Signing, Pavement Markings, and Channelization
- 3.10 Highway Systems – Lighting
- 3.12 Highway Systems – Underwater Engineering Inspections
- 6.01 Water and Sanitary Sewer Systems
- 9.01 Drilling, Subsurface Investigations, and Seismographic Services
- 9.02 Geotechnical and Materials Engineering Services
- 10.01 Stormwater Drainage Design Engineering Services
- 15.01 Land Surveying and Mapping
- 15.03 Underground Utility Location
- 16.00 General Civil Engineering

Community Small Business Enterprise (CSBE) Sub-contractor Trade Set Aside for Pavement Markings and Traffic Signage

No Community Business Enterprise (CBE) goal;

No Small Business Enterprise (SBE) goal; and

No Community Workforce Program (CWP) goal