

SBD - CM REVIEW FORM

To: Business Opportunity Support Division - **DESIGN**

From: SBD CM - Vivian Forhat-Diaz

Department: Public Works and Waste Management

Contact: James Ferreira

Date: 07/10/14

RESUMITTAL: No

PROJECT NUMBER: DB14-PWWM-01 (20140063)

PROJECT TITLE: Design-Build Services for the Venetian Cswy Bridge Rehabilitation, Bridge No. 874459

PROJECT LOCATION: Venetian Causeway Bridge, Key Biscayne

SCOPE OF WORK/DESCRIPTION: Design-Build Services necessary to rehabilitate the westernmost portion of Bridge No. 874459/Venetian Causeway in Miami-Dade County by removing and disposing approximately 730'-9" of the bridges' 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. Work includes 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, supervision, Construction, Engineering and Inspection, labor, materials, tools, and equipment needed for completing the Work in accordance with the Contract Documents. The Venetian Causeway is on the National Register of Historic Places therefore the new bridge superstructure and substructure shall preserve and match all historic aspects and bridge characteristics of the existing structures while meeting all current standards and shall include all necessary work and features necessary to neatly integrate the Work with the portions of the bridge and roadway that remain.

SPECIAL REQUIREMENTS: **Design-Builder** must be certified under Section 471.023, Florida Statutes to practice engineering, under Section 481.219 FS to practice architecture and under Section 489.119, FS to engage in contracting through a certified or registered general contractor or a certified or registered building contractor as the qualifying agent. Additionally, shall be prequalified, 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), and 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. **Lead Designer** must hold Technical Certification categories **3.02 & 3.03** and be pre-qualified by Florida Department of Transportation (FDOT) in all work types required for the Project and shall satisfy all technical qualification requirements of Chapter 14-75 F.A.C. **Lead Designer and Sub-consultants** shall demonstrate, through full time personnel, 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. **Sub-consultant** holding Technical Certification categories **9.01 & 9.02** and shall have a Geotechnical Engineer which must have 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. Experience shall include verifiable and successful implementation of static, Osterberg Cell and/or Statnamic load test results, and evaluation of pilot hole data. Geotechnical Engineer of Record must be Licensed Professional Engineer registered in Florida and have been in responsible charge of this type of work for at least five (5) similar bridge projects.

CATEGORIES	PERCENTAGE	COMMENTS
PRIME		
3.03 Highway Systems – Bridge Design (PRIME)	70.8%	Must meet special requirements; *Possible Small Business Participation
3.02 Highway Systems – Highway Design (PRIME)	2.65%	

Small Business Development Signature: 

Date: 07/11/14

*Categories identified for Small Business participation by SBD CM

PWWM is recommending No Measure for CBE participation

PROJECT NUMBER: DB14-PWWM-01 (20140063) (Continuation)

CATEGORIES	PERCENTAGE	COMMENTS
		Sub-Consultant
3.09 Highway Systems – Signing, Pavement Marking and Channelization	2.65%	Must meet special requirements; *Possible Small Business Participation
3.10 Highway Systems – Lighting	2.65%	
3.12 Highway Systems – Underwater Engineering Inspection	1.77%	
6.01 Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems	0.88%	
9.01 Soils, Foundations & Material Testing – Drilling, Subsurface Investigations and Seismographic Services	8.8%	Must meet special requirements; *Possible Small Business Participation
9.02 Soils, Foundations & Material Testing – Geotechnical & Material Engineering Services	4.4%	
10.01 Environmental Engineering – Stormwater Drainage Design Engineering Services	1.77%	Must meet special requirements; *Possible Small Business Participation
15.01 Surveying & Mapping – Land Surveying	1.77%	
15.03 Surveying & Mapping – Underground Utility Location	0.88%	
16.00 General Civil Engineering	0.88%	
	100%	
Total Estimated Professional Fees	\$565,000.00	

PWWM is recommending No Measure for CBE participation.

SBD – CM REVIEW FORM

To: Business Opportunity Support Division – CONSTRUCTION

From: SBD CM Vivian Forhat-Diaz

Department: PWWWD

Contact: James Ferreira

Date Received: 07/10/14

RESUBMITTAL: No

PROJECT NUMBER: DB14-PWWM-01 (20140063)

PROJECT TITLE: Design-Build Services for the Venetian Cswy Bridge Rehabilitation, Bridge No. 874459

PROJECT LOCATION: Venetian Cswy. Bridge, Key Biscayne

SCOPE OF WORK/DESCRIPTION: To furnishing of all supervision, labor, materials, tools, equipment and performing all operations required 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. The Venetian Causeway is on the National Register of Historic Places therefore the new bridge superstructure and substructure shall preserve and match all historic aspects and bridge characteristics of the existing structures while meeting all current standards and shall include all necessary work and features necessary to neatly integrate the Work with the portions of the bridge and roadway that remain.

SPECIAL REQUIREMENTS: Prime Contractor: must be certified or registered general contractor or a certified or registered building contractor as the qualifying agent; 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 and 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. **Construction Team** must have a single dedicated person responsible for managing all utility coordination with a minimum of four (4) years of experience performing utility coordination in accordance with County and FDOT standards, policies, and procedures and also a 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 (3) years.

TRADES/SUBTRADES	AMOUNT	COMMENTS
		PRIME
Construction Mobilization	\$628,210.69	Must meet Special requirements. Primary scope of work includes all line items noted.
Maintenance of Traffic	\$100,000.00	
Temp Support of Utilities 1500	\$25,000.00	
Slope Protection 2000	\$5,000.00	
Seawalls 2830	\$75,000.00	
Movable Bridge 2850	\$35,000.00	
Bridge Span Demolition 2220	\$1,860,000.00	
Clearing and Grubbing 2230	\$750.00	

Small Business Development Signature:  Date: 07/11/14

***Trades/Subtrades identified for possible subcontracting opportunities by SBD CM**

PWWM is recommending Trade Set-Aside for CSBE participation.

PROJECT NUMBER: DB14-PWWM-01 (20140063) (Continuation)

		PRIME
Sheeting 2250	\$30,000.00	Must meet Special requirements. Primary scope of work includes all line items noted
Initial Erosion Control	\$25,000.00	
Erosion Control Maintenance	\$45,000.00	
Stabilization 2340	\$1,000.00	
Drilled Shaft 2400	\$640,000.00	
Bearing Pads 2450	\$56,000.00	
Substructure Caps 2450	\$375,000.00	
Scupper	\$17,000.00	
Milling	\$15,000.00	
Optional Base	\$4,000.00	
Asphalt Overlay	\$21,690.37	
Class V Finish	\$55,000.00	
Flatwork / Curb & Gutter / Sidewalk	\$28,000.00	
Deck Concrete 3000	\$870,300.00	
Abutment Construction 3000	\$100,000.00	
Reinforced Concrete Beams 3200	\$1,044,000.00	
Approach Slabs 3305	\$25,000.00	
Reinforcing Steel - Superstructure 5120	\$288,000.00	
Reinforcing Steel - Substructure 5120	\$99,000.00	
Railings 5500	\$438,450.00	
Expansion Joint 5830	\$4,166.50	
		Pavement Marking Contractor
Restriping 2800	\$25,000.00	*Possible Subcontracting opportunities
Signalization 2890	\$15,000.00	
		Electrical Contractor
Lighting	\$144,000.00	*Possible Subcontracting opportunities
		Open
Base Grassing/Sod	\$750.00	*Possible SBD subcontracting opportunities
Landscaping	\$10,000.00	
ESTIMATED BASE TOTAL	\$7,105,317.57	
CONTINGENCY ALLOWANCE	\$767,031.76	
BASE TOTAL INCLUDING CONTINGENCY	\$7,872,349.33	

PWWD is recommending Trade Set-Aside for CSBE participation.