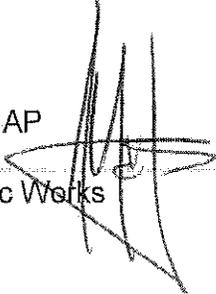


**Date:** June 8, 2016

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

**From:** Alejandro Martínez-Esteve, R.A., LEED AP  
Manager, Capital Improvements  
Department of Transportation and Public Works 

**Subject:** Notice of Design-Build Services:  
DTPW Project No. 20160163  
Project No. DB16-DTPW-02  
Request for Proposals (RFP) for Design-Build  
Services for the Bridge Replacement at Old Cutler  
Road over Black Creek Canal (874432)  
**DESIGN & CONSTRUCTION**

---

**RECOMMENDATION**

It is recommended that Small Business Development (SBD) review and approve the attached Small Business Enterprise - Construction (SBE-CONST) contract measure for **Project No. DB16-DTPW-02, RFP for DESIGN-BUILD services for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432)**. Capital Improvements staff has evaluated the subject project and recommends a SBE-CONST **Trade Set Aside for Traffic Stripes and Markings: Painted and/or Thermoplastic** based on the project scope and applicable requirements of the RFP. Due to an accelerated design, permitting, and construction schedule, a cost estimate that places increased risk and burden on proposers, and the complexity of the project, the Department of Transportation and Public Works (DTPW) does not recommend a SBE-AE goal nor a SBE-GS goal for this project. The cost estimate for this RFP is approximately **\$1,672,540.71**. Please find attached the DTPW Project Measure Analysis and Recommendation findings along with other supporting documents for your consideration.

**SCOPE OF WORK**

DTPW has the need to establish a RFP for DESIGN-BUILD Services to perform all Work needed for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432) as stated on the attached DTPW Project Measure Analysis and Recommendation.

Page 2  
SBD Action  
DB16-DTPW-02

If any additional information is needed, please call me at (305) 375-2097, or James P. Ferreira, P.E. at (305) 375-3267.

AM/jf

Attachments (2)

C:	Laurie Johnson, ISD/SBD	Gaspar Miranda, P.E., DTPW
	Eddy Etienne, ISD/SBD	Leandro Ona, P.E., DTPW
	Julie Whiteside, ISD	Raul Quintela, P.E., DTPW
	Marcos Redondo, P.E., DTPW	Juan Santandreu, P.E., DTPW
	Octavio Marin, P.E., DTPW	Bassam Moubayed, DTPW
	Alfredo Munoz, P.E., DTPW	File

Miami-Dade County Department of Transportation and Public Works  
Contract/Project Measure Analysis and Recommendation

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

From: Alejandro Martinez-Esteve, R.A., LEED AP  
Manager, Capital Improvements  
Department of Transportation and Public Works

Date: Wednesday, June 8, 2016

Department: Transportation and Public Works

Contract Type:

Design-Build

DTPW Project No.:

20160163

Re-submittal:  Yes; Previous Review Committee (RC) Submittal Dates

No

Project Title:

Design-Build Services for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432)

Standard Industrial Code (SIC):

16-Heavy

Estimated Project Cost:

**\$1,672,540.71**

Funding Source:

RIF

Bonding Requirements: Bid Bond- 5% of base bid amount  
Performance Bond- 100% of Contract Award Amount

Method of Award: Lump Sum

Miami-Dade County Department of Transportation and Public Works  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20160163

RPQ Title: Design-Build Services for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432)

Scope of Work:

The work includes, but is not limited to furnishing all professional services, supervision, labor, materials, equipment, tools and performing all operations required to construct the work in accordance with the Contract Documents. The work includes all design and construction services for the complete replacement of the existing Old Cutler Rd Bridge (No. 874432) over the Black Creek Canal including roadway approaches, geotechnical, survey, permits, and all other design services in accordance with the latest AASHTO, County, and FDOT design standards, necessary to produce the required construction documents, engineering plans, traffic control and maintenance of traffic plans (including signs, variable message boards, and markings to detour traffic), project permitting, public involvement plan, project coordination, and all the necessary incidentals for the complete replacement of the existing bridge.

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
  - 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:

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 Minor Bridge Work Class. 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.

Miami-Dade County Department of Transportation and Public Works  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20160163

RPQ Title: Design-Build Services for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432)

- 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:
  - 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.

C. Construction Team:

Certificate of Competency Requirement:

1. At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation and Contract Documents, the Construction team must hold a valid, current, and active:
  - a. Certificate of Competency from the County's Construction Trades Qualifying Board as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in one or more engineering crafts to include structural engineering contractor. The specialty contractor shall subcontract with a qualified contractor any work which is incidental to the specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering Specialty for which certified; or

Miami-Dade County Department of Transportation and Public Works  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20160163

RPQ Title: Design-Build Services for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432)

- b. Pursuant to Section 255.20, F.S. and in lieu of the above, the County may consider a bid from a Bidder that is a duly licensed Contractor in good standing that has been prequalified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-2, Florida Administrative Code, to perform the work described in the Contract Documents. Contractors seeking consideration under this Paragraph shall submit along with the Bid Documents for review and consideration, current copy(ies) of their FDOT Certificate(s) of Qualification, Certification of Work Underway, and Status of Contract(s) On Hand. Acceptable FDOT prequalification(s) necessary to perform the Work specified in the Contract Documents include the Minor Bridge Work Class.

Additional Information – Permits, Licenses, Certifications, and General Regulations

Permits that are issued by the Department of Transportation and Public Works, 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.

Miami-Dade County Department of Transportation and Public Works  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20160163

RPQ Title: Design-Build Services for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432)

DTPW Areas for possible measures:

Traffic Stripes and Markings: Painted and/or Thermoplastic, Signs

DTPW Areas recommended for SBE-CONST Goal:

Traffic Stripes and Markings: Painted and/or Thermoplastic

Contract Measure Recommendation:

No Measure

Set-Aside:

Level I

Level II

Level III

Trade Set-Aside(s):

**Traffic Stripes and Markings: Painted and/or Thermoplastic**

Aggregate Set-Aside

CSBE Subcontractor Goal

CWP

DBE Subcontractor Goal

Miami-Dade County Department of Transportation and Public Works  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20160163

RPQ Title: Design-Build Services for the Bridge Replacement at Old Cutler Road over Black Creek Canal (874432)

Reason for Recommendation:

Staff has met with the design engineer, construction project manager, and members of the industry and concluded that there is ancillary work required to complete this project which may be subcontracted. Ancillary work includes all categories listed under "Areas for possible measures." All other areas to be subcontracted require special licenses and/or certifications. Also, some categories of work are highly specialized and require special, heavy machinery and/or equipment that are typically owned and/or leased by the contractor.

Comments:

In accordance with the Miami-Dade County Code (The Code), DTPW attached its Project Measure Analysis and Recommendation findings along with other supporting documents for consideration of small business participation.

Contracts and Specifications staff completed its review of the scope of work for the subject RFP. Based on the analysis of factors contained in Section VI D of Implementing Order 3-22, DTPW suggests the following contract measure recommendation: Trade Set-Aside: Traffic Stripes and Markings: Painted and/or Thermoplastic.

SBE-CONST Prime History of similar Contracts/Projects for previous three years:

None

Scope of Work History Summary – Subcontracting Opportunities:

Areas recommended for SBE-CONST Trade Set-Aside (DTPW/SBD):

Traffic Stripes and Markings (Painted and/or Thermoplastic)

Areas used to meet subcontractor goal (Awarded Contractor):

Traffic Stripes and Markings (Painted and/or Thermoplastic)

Similar Projects previously submitted for SBD Action:

20120152  
20140063  
20160162

CSBE Goal / Project No. / Amount achieved:

DTPW would have to confirm with the Compliance Monitor

Section	Section Description 20160163	Quantity	Unit	Unit Price	% of Contract	Amount
A	Engineering Service - Plans					
	Highway Design (TC 3.02)	1.00	EA	\$ 50,000.00	3.16%	\$ 50,000.00
	Bridge Design (TC 3.03)	1.00	EA	\$ 120,000.00	7.59%	\$ 120,000.00
	Signing, Pavement Marking (TC 3.09)	1.00	EA	\$ 8,000.00	0.51%	\$ 8,000.00
	Environmental Engineering - Stormwater Drainage Design (Includes permitting) (TC 10.01)	1.00	EA	\$ 18,000.00	1.14%	\$ 18,000.00
	Subtotal for Section A				9.23%	\$ 196,000.00
B	Geotechnical Work					
	Soils, Foundations and Materials Testing - Drilling, Subsurface Investigations and Seismographic Services (TC 9.01)	1.00	LS	\$ 14,000.00	0.89%	\$ 14,000.00
	Soils, Foundations and Materials Testing - Geotechnical and Materials Engineering Services (TC 9.02)	1.00	LS	\$ 14,000.00	0.89%	\$ 14,000.00
	Subtotal for Section B				1.77%	\$ 28,000.00
C	Survey Services					
	Surveying and Mapping - Land Surveying (TC 15.01)	1.00	LS	\$ 20,000.00	1.26%	\$ 20,000.00
					1.26%	\$ 20,000.00
D	Construction Mobilization					
	Construction Mobilization	1.00	LS	\$ 117,934.26	7.46%	\$ 117,934.26
					7.46%	\$ 117,934.26
E	Maintenance of Traffic					
	Maintenance of Traffic	1.00	LS	\$ 40,000.00	2.53%	\$ 40,000.00
					2.53%	\$ 40,000.00
F	Erosion Control					
	Initial Erosion Control	1.00	LS	\$ 20,000.00	1.26%	\$ 20,000.00
	Erosion Control Maintenance	1.00	LS	\$ 30,000.00	1.90%	\$ 30,000.00
	Subtotal for Section F				3.16%	\$ 50,000.00
G	Roadway					
	Milling	800.00	SY	\$ 5.00	0.25%	\$ 4,000.00
	Stabilization	800.00	SY	\$ 5.00	0.25%	\$ 4,000.00
	Optional Base	800.00	SY	\$ 20.00	1.01%	\$ 16,000.00
	Grassing/Sod	111.11	SY	\$ 5.00	0.04%	\$ 555.56
	Flatwork / Curb & Gutter / Sidewalk	200.00	SY	\$ 40.00	0.51%	\$ 8,000.00
	Clearing and Grubbing	400.00	SY	\$ 5.00	0.13%	\$ 2,000.00
	Guardrail	200.00	LF	\$ 100.00	1.26%	\$ 20,000.00
	Asphalt Overlay - Superpave 2 inch thick	88.00	TN	\$ 100.00	0.56%	\$ 8,800.00
					2.19%	\$ 63,355.56
H	Drainage					
	Water Treatment	1.00	LS	\$ 20,000.00	1.26%	\$ 20,000.00
					1.26%	\$ 20,000.00
I	Utilities					
	Underground Utility Relocation	1.00	LS	\$ 30,000.00	1.90%	\$ 30,000.00
	Temp Support of Utilities	1.00	LS	\$ 10,000.00	0.63%	\$ 10,000.00
	Subtotal for Section I				0.63%	\$ 40,000.00

