Memorandum

MIAMI-DADE COUNTY

Date: August 12, 2011

To: Penelope Townsley, Director
Department of Small Business Development

RECEIVED
DEPT. BUSINESS DEV.
2011 AUG 12 PM 2:13

From: Rodney McMillian
Special Project Administrator
Public Works Department

Subject: Notice of Construction Project:
Miscellaneous Construction Contracts (MCC) Program
MCC 7360 Plan: Request for Price Quotation (RPQ) No. 20110133, Coral Gables Waterway Bank Stabilization Project Phase XIV

RECOMMENDATION

Contracts and Specifications staff has evaluated the subject project and recommends No Measure for Community Small Business Enterprise (CSBE) Subcontractor participation, based on the scope of work and funding source. This RPQ is federally funded and does not allow participation from the County's small business or Community Workforce Programs. The cost estimate is $453,914.42. The Public Works Department (PWD) staff checked the availability of Disadvantaged Business Enterprise (DBE) participation and included the attached PWD and SBD Project Measure Analysis and Recommendation findings along with other supporting documents for review. PWD received a response from the Geocode System which determined that the work locations are not in a Designated Target Area (DTA). In accordance with the Department of Small Business Development's (SBD) submittal requirements, PWD staff met with SBD's Construction Manager to advise of PWD's intent.

BACKGROUND

The project is located within the central portion of Miami-Dade County and is roughly bounded by SW 24 Street (Coral Way) to the north, SW 57 Avenue to the east, SW 40 Street (Bird Road) to the south and the Palmetto Expressway (SR826) to the west. Hydrologically, the project falls within the C-3 Drainage Basin, also known as the Coral Gables Canal Drainage Basin. The main purpose of the waterway is to provide flood protection to the area it services. However, heavy water flow volumes and high winds as a result of Hurricane Wilma in 2005 have caused damage to the existing canal banks. Damages to the bank include washouts, undercutting and loss of soil from fallen trees. In some cases, bank conditions have deteriorated to the extent where structures as well as roadways built within a safe distance from the banks are in danger of being undercut and damaged. This could lead to two (2) undesirable outcomes, the direct loss of private and public property, and the loss of conveyance capacity within the C-3 Canal. In a worse case scenario, debris from the area could possibly move downstream and cause damage to the G-93 Structure, thus severely hampering the South Florida Water Management District's (SFWMD) ability to move water downstream and prevent flooding.

Therefore, the Coral Gables Loop Canal, SW 72 Avenue Bridge Abutment, and North Waterway Drive Bank Stabilization Project consists of surveying the most heavily damaged portion of the canal banks, designing and permitting modifications in the form of rip rap walls as stipulated in the Public Works Manual Standard Detail BC 3.4 or as modified in the design plans. This stabilizing wall will shore up the adjacent properties and prevent future damages.

If any additional information is needed, please call me at (305) 375-5320, or Frank Aira at (305) 375-2930.

RM/rm

Attachments (2)

C: Kelly Duncombe, SBD
Ileana Quintana, SBD
Bassam Moubayed, PWD
Frank Aira, P.E., CFM
Gerardo Delgado, PWD
Project File

DEPARTMENT INPUT
CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Check applicable Ordinance(s): ☒ 90-143 Responsible Wage and Benefits ☐ 03-237 (formerly 03-1) Community Workforce Program

PROJECT INFORMATION See attachment ☒

Contract/Project/*Work Order No.: 20110133
*Reference corresponding project number when submitting a work order

Contract/Project Title: Coral Gables Waterway Bank Stabilization Project, Phase XIV

Description/Scope of Work: See Attached

Estimated Cost: 453914 **Funding Source:** Other (specify)

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23rd Ct or Starts at 135 St. ends at 145 St.
Coral Gables Waterway Canal from SW 24th Street to SW 8th Street

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP) See attachment ☐

Engineer/Department or Agency's estimated required workforce for Project ☐ Work Order ☐:

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
Heavy Equipment Operator	1	180
Barge Operator	1	180
Laborers	7	180

Comments: Please note the estimated number of days to complete the job may not be equal to actual amount of days indicated above.

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment ☒

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
	$	%	
	$	%	
	$	%	

RECOMMENDATION

Set-Aside: Level 1 ☐ Level 2 ☐ Level 3 ☐ Trade Set-Aside ☐ Sub-Contractor Goal ☐ Workforce Goal ☐ No Measure ☒

Basis for Recommendation: **Funding source; Scope of Work; and Contract duration / Funding source time constraints.**

Date submitted to DBD: 8-12-11
Contact Person: Rodney McMillian or Frank Aira
Telephone No.: 305-375-2930

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

To: Penelope Townsley, Director
Department of Small Business Development

From: Rodney McMillian
Special Project Administrator
Public Works Department

Date:

August 12, 2011

Department:

Public Works

Contract Type:

MCC 7360 Plan - Single Trade

Request for Price Quotation (RPQ) No.:

20110133

Re-submittal: ☐

☒No

RPQ Title:

Coral Gables Waterway Bank Stabilization Project Phase XIV

Standard Industrial Code (SIC): 16-Heavy Construction Contractors

Estimated Project Cost:

$453,914.42

Funding Source:

National Resources Conservation Service, United States Department of Agriculture (NRCS)

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

Method of Award: Line Item

Check here if new Contract/Project purchase with no previous history: ☒

RPQ No.: 20110133

RPQ Title: Coral Gables Waterway Bank Stabilization Project Phase XIV

Detailed Scope of Work:

The PWD is requesting to establish a site specific contract for the restoration of degraded canal embankments along the canal's right-of-way or maintenance easements. The scope of work consists of furnishing all supervision, labor, materials, equipment and tools to perform the necessary restoration of degraded canal embankments along the canal's right-of-way or maintenance easements. Work may include but shall not be limited to one or all of the following general tasks: Clearing, grading, excavating, placement of backfill, installation of riprap boulders and/or sand cement bag riprap, repairs to drainage outfall headwalls, installation of miscellaneous drainage structures, relocation and repair to existing guardrail, fencing and sodding as needed.

Required Contractor's Certification:

A. Contractor Certification:

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 Bidder 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, seawall and small dock engineering contractor, excavating and grading 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

   b. Certification, as a general contractor, provided by the State of Florida Construction Industry Licensing Board, pursuant to the provisions of Section 489.115 of the Florida Statutes.

<u>Additional Information</u> – 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.**

INTENTIONALLY LEFT BLANK

RPQ No.: 20110133

RPQ Title: Coral Gables Waterway Bank Stabilization Project Phase XIV

Areas for possible measures:

There are no areas of subcontracting available for this project.

Areas recommended for CSBE Subcontractor Goal:

None

Contract Measure Recommendation:

- ☒ **No Measure**
- ☐ CSBE Subcontractor Goal
- ☐ CSBE Trade Set-Aside:
- ☐ CSBE Set-Aside Level I Level II Level III
- ☐ DBE Subcontractor Goal:

Reason for Recommendation:

This is a single trade project; none of the primary trade related work (Canal Bank Stabilization) can be subcontracted as per the Miscellaneous Construction Contract (MCC) specifications. Additionally, staff has met with the design engineer, construction project manager, and members of the industry and concluded that there is no ancillary work required to complete this project which may be subcontracted. This type of specialized work is not usually associated with small business enterprise firms that are prime contractors. Also, this type of work is highly specialized and requires special equipment that is typically owned by the contractor. The only work that initially appeared available for subcontracting was that related to the use of the required barge.

However, after further research by staff it was noted that the industry typically owns their barges and they equip them with various pieces of machinery such as Generators, Hydraulic pumps, and air compressors. Thus requiring the rental or subcontracting of this would not be feasible. Therefore, based on the scope of work required for the project and the previous RC action noted below, PWD recommends No Measure for CSBE participation. However, a recommendation of No Measure does not exclude CSBE firms from submitting a bid for this project should they meet all applicable Contract document requirements.

INTENTIONALLY LEFT BLANK

RPQ No.: 20110133

RPQ Title: Coral Gables Waterway Bank Stabilization Project Phase XIV

Comments:

Other miscellaneous items have been included in the Bid Form to facilitate payment to the contractor, should those items be needed to complete the restoration. In addition, project funding is time sensitive; construction work must be completed by March 11, 2012.

Similar projects previously submitted for RC Action:

20100612-R Coral Gables Waterway Bank Stabilization Project Phase XII
Date Advertised: 1/27/2011; Estimated Value: $1,415,714.00

20100611-Coral Gables Waterway Bank Stabilization Project Phase XI
Date Advertised 8/19/2010; Estimated Value $1,289,367.00

20100509- Coral Gables Waterway Bank Stabilization Project Phase X
Date Advertised: 6/10/2010; Estimated Value: $1,083,755.00

20100508- Coral Gables Waterway Bank Stabilization Project Phase IX
Date Advertised: 6/10/2010; Estimated Value: $1,032,389.00

20100507- Coral Gables Waterway Bank Stabilization Project Phase VIII
Date Advertised: 6/10/2010; Estimated Value: $1,110,499.00

20090331- Coral Gables Waterway Bank Stabilization Project Phase VII
Date Advertised: 12/24/2009; Estimated Value: $443,077.00

20090330- Coral Gables Waterway Bank Stabilization Project Phase VI
Date Advertised: 12/24/2009; Estimated Value: $376,740.00

20090329- Coral Gables Waterway Bank Stabilization Project Phase V
Date Advertised: 12/24/2009; Estimated Value: $514,438.00

20090146- Coral Gables Waterway Bank Stabilization from SW 61st Avenue to SW 67th Avenue
Date Advertised: 5/28/2009; Estimated Value: $900,450.45

20090145- Coral Gables Waterway Bank Stabilization from SW 57th Avenue to SW 61st Avenue
Date Advertised: 5/28/2009; Estimated Value: $630,180.19

20090211- Coral Gables Waterway Bank Stabilization Project Phase IV
Date Advertised: 7/23/2009; Estimated Value: $550,372.00

20090181- Coral Gables Canal Waterway Bank Stabilization Project
Date Advertised: 7/9/2009; Estimated Value: $726,442.00

20070822- Coral Gables Loop Canal Stabilization Project Phase II
Date Advertised: 3/6/2008; Estimated Value: $852,000.00

20070798- Coral Gables Loop Canal Stabilization Project
Date Advertised: 2/14/2008; Estimated Value: $852,000.00

RPQ No.: 20110133

RPQ Title: Coral Gables Waterway Bank Stabilization Project Phase XIV

Scope of Work History Summary – Subcontracting Opportunities:

Areas recommended for CSBE Goal:

None

Areas used to meet subcontractor goal:

Not Applicable

CSBE Goal/Amount achieved:

Not Applicable

Coral Gables Waterway Bank Stabilization Project Phase XIV
Coral Gables Waterway Canal from SW 24 St to SW 8 St
-RPQ PENDING-

COST ESTIMATE

Item #	DESCRIPTION	UNIT	Total Quantity	TOTAL PRICE
102-71-11	Concrete Barrier - Class E (Temporary, including relocation)	L.F.	100	$1,223
102-74-1	Barricades - Type I, II, VP & Drum	E.A.	300	$369
104-11	Floating Silt Barrier (relocate & maintain)	L.F.	200	$1,248
104-13-1	Staked Silt Fence (Type III)	L.F.	200	$480
110-1H	Clearing & Grubbing (per contract)	L.F.	1700	$29,648
200-1-4	Limerock - New Material	C.Y.	2550	$51,000
339-1	Miscellaneous Asphalt Pavement	Ton	2	$983
530-1C	Canal Bank Stabilization (per typical canal bank stabilization detail rip rap boulders)	L.F.	1500	$249,000
530-1D	Canal Bank Stabilization (per typical canal bank stabilization detail sand cement bags Rip Rap)	L.F.	200	$29,200
538-1	Remove & Reset Existing Guardrail - (Complete including post and hardware as needed)	L.F.	100	$3,679
550-74	Resetting Exisitng Fence all types and sizes- (Includes posts, concrete base, fence, all accessories, and gates where applicable.)	L.F.	400	$10,562
571-1-10A	Turf Reinforcement mat	S.Y.	950	$16,863
575-2A	Sodding - St. Augustine or match existing, includes watering and maintenance	S.Y.	1900	$9,272
Subtotal				$403,527
990	Allowance Permits	L.S.	1	$500.00
101-3R	Mobilization	L.S.	1	$5,500.00
102-1	Maintenance of Traffic (MOT)	L.S.	1	$4,035.27
999	Contingency Fund (10% of Subtotal Amount)	L.S.	1	$40,352.65
TOTAL				$453,914.42

8/8/11

Engineers Certification

LOCATION MAP

CORAL GABLES WATERWAY CANAL
SW 24 ST TO SW 8 ST

20110133

1 inch = 755 feet

N