

Date: September 26, 2014

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

From: Alejandro Martinez-Esteve, RA, LEED AP
Manager, Capital Improvements Section
Public Works & Waste Management Department

Subject: Notice of Construction Project:
Miscellaneous Construction Contract (MCC) Program:
MCC 7360 Plan - CICC 7360-0/08
Request for Price Quotation (RPQ) No. 20140167
Culvert replacement at NW 106 Street and NW South
River Drive

RECOMMENDATION

The Department's Capital Improvements staff completed the review of the subject RPQ in accordance with the applicable provisions of Implementing Order 3-22 and recommends a Community Small Business Enterprise (CSBE) goal of no measure. A Community Workforce Program (CWP) goal is not applicable.

Scope of Work:	Culvert Replacement and Installation of Weather and Environmental Information Sensor Station (WEISS)
Engineer Project Base Cost Estimate:	\$644,380
CSBE Measure/Set Aside:	None
CWP:	Not Applicable

BACKGROUND

The subject project was advertised as a lump sum contract on August 7, 2014 under contract No.CICC-7040-0/07, RPQ No.20140068. One bid was received which was 19.98% over the engineer's project base estimate.

This project will improve drainage capacity and PWWM's ability to monitor and maintain stormwater drainage systems before, during and after storm events due to the replacements of the existing culverts, the installation of WEISS, and the integration of the Department's Supervisory Control and Data Acquisition System.

If additional information is needed, you may contact me at (305) 375-2097, or James Ferreira at (305) 375-3267.

AM/jf

Attachments (2)

CC: Laurie Johnson, ISD
Coralee Taylor, ISD
Vivian Forhat-Diaz, ISD
Bassam Moubayed, PWWM
James Ferreira, P.E., PWWM
Alfredo Muñoz, P.E., PWWM
Lisset Cabrera, PWWM
Alejandro Barrios, PWWM
Daryl Hildoer, P.E., PWWM
Dianah Coakley, PWWM
Lana Moorey, P.E., PWWM
Project File

MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION

To: Gary Hartfield, Division Director
Small Business Development Division (SBD)
Internal Services Department

From: Alejandro Martinez-Esteve, RA, LEED AP
Manager, Capital Improvements Section
Public Works & Waste Management Department

Date: Thursday, October 9, 2014

CONTRACT INFORMATION

Contract Type: MCC 7360: Single Trade with Ancillary Work

**Request for Price
Quotation (RPQ) No:** 201400167

RPQ Title: Culvert Replacement

Re-submittal: No

**Standard Industrial
Code (SIC) / North American
Industry Classification
Code (NAICS):** 1610 / 237310 – Heavy Construction

Estimated Project Cost: \$644,380

Funding Source: Road Impact Fees

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

Method of Award: Line Item

PROJECT INFORMATION

Scope of Work

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 but is not limited to replacing the existing twin 36" culverts from Russian Colony Canal to Miami Canal (C-6) with a 75" X 112" arch pipe culvert; construction of sand-cement headwalls; installation of a fish guard device; earthwork; implementation of erosion and sediment control; maintenance of traffic; fence and guardrail installation and improvements to

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RPQ Title: Culvert Replacement

the intersection including pavement reconstruction, milling and resurfacing, and pavement markings.

The project also includes installation of Weather and Environmental Information Sensor Station (WEISS) consisting of tower, rain gauge, satellite telemetry unit, incidental items to install telemetry equipment and integrate the SCADA equipment into the County network; all wiring, pipes, excavation, Canal Bank Stabilization, and all other items not listed for the installation of a working complete unit as identified on the Technical Specifications.

Due to high volume of truck traffic, the Department will allow the Contractor to work at night if permitted and coordinated by the Town of Medley. There will be no additional compensation for night work under this contract.

The Contractor and all subcontractors, under this Contract, are prohibited from performing any work, other than specified in the Contract and/or directed by the Engineer, within the limits of the project site, without prior written notification to the Engineer. This includes any work for private or commercial entities.

Required Contractor's Certification:

Certificate of Competency Requirement:

At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County (the Code), Florida and these Solicitation and Contract Documents, the Bidder must hold a valid, current, and active 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 paving 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.

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 Flexible Paving and Drainage Work Classes.

Experience Requirement:

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The Bidder, through full time personnel employed by the Bidder, must demonstrate a minimum of five (5) years of continual experience as the prime contractor in projects with scopes comparable to the Project Scope of Work.

1. Demonstrate the experience requirement by:
 - a. Providing a detailed description of completed projects, similar to the Project Scope of Work, in which the Bidder is currently engaged or has completed within the past ten (10) years. List and describe those projects performed for government clients, similar size private entities, and any work performed for the County. The description should identify for each project (1) the client, (2) description of work, (3) total dollar value of the contract, (4) contract duration, (5) customer contact person and phone number for reference, (6) statement or notation of whether Bidder is/was the prime contractor or subcontractor, and (7) the results of the project; or
 - b. Pursuant to Section 255.20, F.S., the County may consider a bid from a Bidder in good standing, meeting the license requirements above, 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.

RECOMMENDATION

Areas for Possible Measures: None

Areas recommended for CSBE Subcontractor Goal: None

Contract Measure Recommendation:

- No Measure
- Set-Aside:

Level I	Level II	Level III
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- Trade Set-Aside(s): None
- Aggregate Set-Aside
- CSBE Subcontractor Goal
- CWP: Not Applicable
- DBE Subcontractor Goal

RPQ No.: 20140167
RPQ Title: Culvert Replacement

Reason for Recommendation:

In accordance with the Code, attached is the cost estimate. There is no CSBE goal/measure recommendation based on the information provided in the attached project cost estimate. A CWP goal is not applicable.

CSBE Prime History of similar Contracts/Projects for previous three years: None

Scope of Work History Summary – Subcontracting Opportunities: None

Similar Projects previously submitted for SBD Action: None

CSBE Goal / Project No. / Amount achieved: None

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.: 20140167

*Reference corresponding project number when submitting a work order

Contract/Project Title: Culvert Replacement

Description/Scope of Work: See Attached

Estimated Cost: 644380 **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.
NW 106 Street and NW South River Drive

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
Drainage & Structures	4	180
Guardrail & Fence	8	180
Pavement Markings & Signs	6	180

Comments: None

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: Not applicable

Date submitted to DBD: 09-26-14

Contact Person: James Ferreira

Telephone No.: 305-375-3267

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

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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
Laborers	6	180
Cleaning & Grubbing	3	180
Earthwork	3	180

Comments: None

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: Not applicable

Date submitted to DBD: 09-26-14

Contact Person: James Ferreira

Telephone No.: 305-375-3267

MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY DIVISION

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

Project Description NW 106 St and NW S. River Dr. Culvert Replacement
PWD PROJECT No. 20140018

DATE: 06-25-2014

ITEM	COST	TOTAL
	ESTIMATE	JOB (%)
GENERAL CONSTRUCTION OPERATIONS	0	0%
MAINTENANCE OF TRAFFIC (MOT)(2%)	11,305	1%
USER ACCESS PROGRAM (2%)	11,305	1%
CONTROL OF EROSION & WATER POLLUTION	1,672	0%
CLEARING & GRUBBING	56,525	7%
EARTHWORK	49,099	6%
REMOVAL OF SOLID WASTE MATERIAL	0	0%
BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT	27,962	4%
DRAINAGE STRUCTURES & PIPES	456,100	59%
CONCRETE	-	0%
GUARDRAIL & FENCE	20,599	3%
SODDING & TREE RELOCATION	3,133	0%
IRRIGATION	-	0%
SIGNALIZATION	-	0%
PAVEMENT MARKING & SIGNAGE	3,641	0%
LIGHTING	-	0%
BRIDGE	-	0%
BASE ESTIMATED COST	644,380	
CONTINGENCY FUND (10%)	64,438	8%
SUBTOTAL	708,818	
OFF DUTY LAW ENFORCEMENT OFFICER	40,000	5%
BITUMINOUS MATERIAL ADJUSTMENT	-	0%
PWD PERMIT ALLOWANCES	20,000	3%
FPL CONNECTION ALLOWANCE	-	0%
GRAND TOTAL	\$ 768,818	100%

Community Workforce Program

 **GEOCODE ADDRESSES**

GIS INFORMATION

[Print Friendly Format](#)

Address 1	NW 106 ST and NW S F
Output addr	NW 106TH ST and NW
XCoord	871636.4375
YCoord	558888.5

Address 2	
Output addr	
XCoord	
YCoord	

Address 3	
Output addr	
XCoord	
YCoord	

Address 4	
Output addr	
XCoord	
YCoord	

Target Urban Area	
Flag	0
Name	

Focus Area	
Flag	0
Name	

Empowerment Zone	
Flag	0
Name	

Enterprise Zone	
Flag	0
Name	

CDBG	
Flag	0
Name	
CDBG Num	

Census Information	
Flag	1
Tract	010129,009007,
BlockGroup	2,1,
Population (BlockGroup)	3897,131,
Unemployment (BlockGroup)	n/a,n/a,
PercentLow (BlockGroup)	n/a,n/a,

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Commission District Information

Flag	1
Commissioner	Jose "Pepe" Díaz,
Commission	12,