

Date: March 19, 2014

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

From: James Ferreira, P.E. 
Engineer 2
Public Works and Waste Management
Department

Subject: Notice of Construction Project:
Project No. 20130201
People's Transportation Plan (PTP)
Roadway Improvements to
SW 264th Street from
US-1 to SW 137th Avenue

RECOMMENDATION

Contracts and Specifications staff has evaluated the subject project and recommends 16% for Community Small Business Enterprise (CSBE) Subcontractor participation, based on the scopes of work required to perform construction work. The cost estimate is \$3,926,573.95. The Public Works and Waste Management Department (PWWM) staff has checked the availability of CSBE firms and has attached the PWWM Project Measure Analysis and Recommendation findings along with other supporting documents for your consideration. PWWM staff met with the Small Business Development's (SBD) Construction Manager in an effort to seek out additional opportunities for CSBEs. The Community Workforce Program (CWP) is applicable to this project. PWD received a response from the Geocode System which determined that the work location is in a Designated Target Area (DTA).

BACKGROUND

This is a Roadway Improvement project that was requested by the BCC for inclusion in the People's Transportation Plan (PTP). The project consists of widening the existing roadway to a two-lane divided highway with raised landscaped median, bicycle lanes, on-street parking, sidewalks, curb and gutter, a continuous storm drainage system, signalization, pavement markings and signage, and lighting.

The completion of this project will provide the necessary operational improvements for both motorists and pedestrians. It will also enhance the aesthetics of this roadway segment.

If any additional information is needed, please call me at (305) 375-3267, or Frank Aira at (305) 375-2930.

Attachments (2)

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Project No.

20130201

JF/jf

cc: Coralee Taylor, ISD/SBD
Laurie Johnson, ISD/SBD
Vivian Forhat-Díaz, ISD/SBD
Bassam Moubayed, PWWM
Raul Quintela, P.E., PWWM
Leandro Ona, P.E., PWWM
Gaspar Miranda, P.E., PWWM
Frank Aira, P.E., CFM, PWWM
Dianah Coakley, PWWM
Lisset Cabrera, PWWM
File

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

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

From: James Ferreira, P.E.
Engineer 2
Public Works and Waste
Management Department

Date: Wednesday, March 19, 2014

Department: Public Works and Waste Management

Contract Type:

Single Trade - Roadway Improvements

Request for Price Quotation (RPQ) No.:

20130201

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

No

Project Title:

People's Transportation Plan (PTP) Roadway Improvements on SW 264 Street from US-1 to SW 137 Avenue

Standard Industrial Code (SIC):

16-Highway and Street Construction

Estimated Project Cost:

\$3,926,573.95

Funding Source:

PTP

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

Method of Award: Apparent Lowest, Responsive, Responsible Bidder: Line Item

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

RPQ No.: 20130201

RPQ Title: PTP Roadway Improvements on SW 264th Street from US-1 to SW 137th Avenue

Scope of Work

- A. 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.
- B. Work includes but is not limited to the following: furnishing all supervision, labor, materials, equipment, and tools to widen the existing roadway to a two-lane divided highway with raised landscaped median, bicycle lanes, on-street parking, sidewalks, curb and gutter, a continuous storm drainage system, signalization, pavement markings and signage, and lighting.

Required Contractor's Certification:

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 Certificate of Competency as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Project's Scope of Work, in one or more engineering crafts to include Paving Engineering. 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, Florida Statutes (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 pre-qualified 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 Project's Scope of Work shall include the Flexible Paving Work Class.

Additional Information – 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.

RPQ No.: 20130201

RPQ Title: PTP Roadway Improvements on SW 264th Street from US-1 to SW 137th Avenue

Traffic Stripes and Markings

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.

PWWM Areas for possible measures:

Concrete
Pavement Marking and Signage
Signalization

PWWM Areas recommended for CSBE participation:

Concrete
Pavement Marking and Signage
Signalization

Contract Measure Recommendation:

- No Measure
- Set-Aside:
 - Level I
 - Level II
 - Level III
- Trade Set-Aside(s):
- Aggregate Set-Aside
- CSBE Subcontractor Goal: 16%
 - 14% Concrete
 - 1% Signalization
 - 1% Pavement Marking and Signage
- CWP: Applicable: Please see attached.
- DBE Subcontractor Goal

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

RPQ No.: 20130201

RPQ Title: PTP Roadway Improvements on SW 264th Street from US-1 to SW 137th Avenue

Reason for Recommendation:

This is a single trade project; none of the primary trade related work (Resurfacing) 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 ancillary work required to complete this project which may be subcontracted. Ancillary work includes all categories listed under "Areas for possible measures." All 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), PWWM attached its Project Measure Analysis and Recommendation findings along with other supporting documents for consideration of small business participation. PWWM staff met with the Small Business Development Division's (SBD) Construction Manager in an effort to seek out additional opportunities for CSBEs. The Community Workforce Program (CWP) is applicable to this project. PWWM received a response from the Geocode System which determined that the work location is located in a Designated Target Area (DTA).

Contracts and Specifications staff completed its review of the scope of work for the subject RPQ. Based on the analysis of factors contained in Section VI D of Implementing Order 3-22, Public Works and Waste Management (PWWM) suggests a 16% contract measure recommendation.

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

RPQ No.: 20130201

RPQ Title: PTP Roadway Improvements on SW 264th Street from US-1 to SW 137th Avenue

CSBE Prime History of similar Contracts/Projects for previous three years:

None

Scope of Work History Summary – Subcontracting Opportunities:

Areas recommended for CSBE Goal (PWWM/SBD):

Concrete
Pavement Marking and Signage
Signalization

Similar Projects previously submitted for Project Review and Analysis Process:

20120127: PTP Roadway Improvements to SW 17th Ave. from S. Dixie Hwy to W. Flagler St.
20130235: PTP Roadway Improvements to SW 176th St. from SW 107th Ave. to US-1 South

CSBE Goal / Project No. / Amount achieved:

PWWM would have to confirm with the Compliance Monitor

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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.: 20130201

*Reference corresponding project number when submitting a work order

Contract/Project Title: People's Transportation Plan (PTP) Roadway Improvements to SW 264th Street from US-1 to SW 137th Avenue

Description/Scope of Work: See Attached

Estimated Cost: 3926574 **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.
Please see attached

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
Supervisor	1	365
Foremen	1	365
Operator	1	365

Comments: Please note the estimated number of days to complete the job may not be equal to actual amount of days indicated above. In addition, respective employees utilized for various scopes of work throughout the duration of the contract. The Contract also afford the ability to add and/or delete sites.

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: Identifiable areas for subcontracting; types of opportunities provided are appropriate for applying a subcontractor goal and effective competition appears to exist for setting a CSBE Subcontractor Goal within SIC 17. In addition, Geocode suggest the Work Order location is located within a Designated Target Area (DTA). Therefore, the Community Workforce Program (CWP) is applicable.

Date submitted to DBD: 3-19-14

Contact Person: James Ferreira or Frank Aira

Telephone No.: 305-375-3267

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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	365
Clearing and Grubbing	2	365
Earthwork	2	365

Comments: Please note the estimated number of days to complete the job may not be equal to actual amount of days indicated above. In addition, respective employees utilized for various scopes of work throughout the duration of the contract. The Contract also afford the ability to add and/or delete sites.

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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 and Structures	3	365
Concrete	2	365
Guardrail and Fence	2	365

Comments: Please note the estimated number of days to complete the job may not be equal to actual amount of days indicated above. In addition, respective employees utilized for various scopes of work throughout the duration of the contract. The Contract also afford the ability to add and/or delete sites.

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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
Sodding and Tree Relocation	2	365
Signalization	4	365
Pavement Marking and Signage	2	365

Comments: Please note the estimated number of days to complete the job may not be equal to actual amount of days indicated above. In addition, respective employees utilized for various scopes of work throughout the duration of the contract. The Contract also afford the ability to add and/or delete sites.

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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
Lighting	3	365

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PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

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Contact Person:James Ferreira or Frank Aira

Telephone No.:305-375-3267

MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY DIVISION

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

Project Description SW 264 St from US 1 to SW 137 Ave
 PWD PROJECT No. 20040350

DATE:

ITEM	COST	TOTAL
	ESTIMATE	JOB (%)
GENERAL CONSTRUCTION OPERATIONS	167,222	4%
MAINTENANCE OF TRAFFIC (MOT)(2%)	62,625	2%
User Access Program (2%)	62,625	2%
CONTROL OF EROSION & WATER POLLUTION	3,045	0%
CLEARING & GRUBBING	320,434	8%
EARTHWORK	486,187	12%
REMOVAL OF SOLID WASTE MATERIAL	0	0%
BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT	571,510	14%
DRAINAGE STRUCTURES & PIPES	773,419	19%
CONCRETE	566,210	14%
GUARDRAIL & FENCE	25,839	1%
SODDING & TREE RELOCATION	46,754	1%
IRRIGATION	-	0%
SIGNALIZATION	33,133	1%
PAVEMENT MARKING & SIGNAGE	47,766	1%
LIGHTING	402,845	10%
BRIDGE	-	0
BASE ESTIMATED COST	3,569,613	
CONTINGENCY FUND (10%)	356,961	9%
SUBTOTAL	3,926,574	
OFF DUTY LAW ENFORCEMENT OFFICER	30,000	1%
BITUMINOUS MATERIAL ADJUSTMENT	15,000	0%
PWD PERMIT ALLOWANCES	40,000	1%
FPL CONNECTION ALLOWANCE	3,600	0%
GRAND TOTAL	\$ 4,015,174	100%