

**Date:** February 7, 2014

**To:** Lester Sola, Director  
Internal Services Department  
Small Business Development Division

**From:** Alicia Arce, E.I.   
Engineer 2  
Public Works and Waste Management  
Department

**Subject:** Notice of Construction Project:  
Project No. 2014014  
Roadway Improvements-Multiple Sites

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**RECOMMENDATION**

Contracts AND Specifications staff has evaluated the subject project and recommends 14.80% for Community Small Business Enterprises (CSBE) Subcontractor participation, based on the scopes of work required to perform construction Work. The cost estimate is \$513,560.71.00. The Public Works And Waste Management Department (PWWM) staff has checked the availability of CSBE firms and has attached the PWD Project Measure Analysis and recommendation findings along with other supporting documents for your consideration. The community Workforce Program (CWP) is applicable to this project. PWD received a response from the Geocoder System which determined that the work location is in a Designated Target Area (DTA).

**BACKGROUND**

This project is a Roadway Improvement project that was requested by the BCC for inclusion in the GOB fund. The project consist of the construction of two (2) lanes of pavement, a new storm drainage system, new sidewalks (in one site, NW 87 Terrace), curb and gutter (in one of the site, NW 24 Court), pavement markings and signing, and sod.

If any additional information is needed, please call me at (305) 375-1363, or Frank Aira at (305) 375-2930.

Attachments (2)

AA/aa

- cc: Laurie Johnson, ISD  
Coralee Taylor, ISD  
Vivian Forhat-Diaz, ISD
- Bassam Moubayed, PWWM  
Frank Aira, P.E., CFM, PWWM  
Lisset Cabrera, PWWM  
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.: 20140014**

\*Reference corresponding project number when submitting a work order

**Contract/Project Title: Roadway Resurfacing Contract**

**Description/Scope of Work: See Attached**

**Estimated Cost: 513,560.71      Funding Source: General Obligation Bond (GOB)**

**Location of Project** (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St.  
**Various Locations.**

**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.

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)**    See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
<b>Paving Markings</b>	\$ 5470.00	1.23%	
<b>Concrete</b>	\$60,098	13.57%	
	\$	%	

**RECOMMENDATION**

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

**Basis for Recommendation:** PWWM suggests the following contract measure recommendation : Subcontractor Goal : Traffic Stripes and Markings : Painted and/or Thermoplastic and Concrete: Sidewalk and/or Curb and Gutter, including American with Disabilities (ADA) items. In addition, Geocode suggest the Work Order location is within a Designated Target Area (DTA). Therefore, the Community Workforce Program (CWP) is applicable.

**Date submitted to DBD: 02-06-2014**

**Contact Person: Alicia Arce or Frank Aira**

**Telephone No.: 305-375-1363**

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**CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

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Various, 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
Laborers	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.

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)**    See attachment

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

**RECOMMENDATION**

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**Date submitted to DBD: 02-06-2014**

**Contact Person: Alicia Arce or Frank Aira**

**Telephone No.: 305-375-1363**

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

To: Lester Sola, Director  
Internal Services Department  
Small Business Development Division

From: Alicia Arce  
Engineer II  
Public Works and Waste  
Management Department

Date: Friday , February 7, 2014

Department: Public Works and Waste Management

Contract Type: Roadway Improvements

Single Trade-Roadway Improvements

Request for Price Quotation (RPQ) No.:

20140014

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

No

Project Title:

Roadway Improvements –Multiple Sites

Standard Industrial Code (SIC):

16-Highway and Street Construction

Estimated Project Cost:

\$513,560.71

Funding Source:

General Obligation Bond (GOB)

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

Method of Award: Line Item

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

RPQ No.: 20140014

RPQ Title: Roadway Improvements –Multiple Sites

**Detailed 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.

The scope of work consist of the construction of two (2) lanes of pavement, a new storm drainage system, new sidewalks (in one site, NW 87 Terrace), curb and gutter (in one of the site, NW 24 Court), pavement markings and signing, and sod.

**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.: 20140014

RPQ Title: Roadway Improvements –Multiple Sites

**Pavement Markings and Signage**

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.

**PWD Areas for possible measures:**

Pavement Marking and Signage and Concrete Work.

**PWD Areas recommended for CSBE Subcontractor Goal:**

Pavement Marking and Signage and Concrete Work.

**Contract Measure Recommendation:**

- No Measure
- Set-Aside:
  - Level I
  - Level II
  - Level III
- Trade Set-Aside(s):
- Aggregate Set-Aside
- CSBE Subcontractor Goal
  - 1.23% Traffic Stripes and Markings: Painted and/or Thermoplastic
  - 13.57% Concrete: Sidewalk and/or Curb and Gutter, including American with Disabilities (ADA) items.
- CWP: A few Work Order locations are located in a DTA
  - See Attachment
- DBE Subcontractor Goal

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

RPQ No.: 20140014

RPQ Title: Roadway Improvements –Multiple Sites

**Reason for Recommendation:**

This is a single trade project; none of the primary trade related work 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.

This is a Work Order generated project for which estimated quantities are established for line items utilized during construction instead of estimated dollar amounts. The aforementioned ancillary work may be minimal for each work order and may or may not be required on all work order locations identified during Contract duration.

**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 the 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 the factors contained in Section VI D of the implemented Order 3-22, Public Works and Waste Management (PWWM) suggests a 14.80% contract measure recommendation.

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## APPENDIX "C"

### LOCATION OF WORK

The location(s) of the Work to be performed under the terms of this Contract are:

1. NW 24 COURT FROM NW 80 STREET TO NW 82 STREET
2. NW 31 COURT FROM NW 88 STREET TO NW 90 STREET
3. NW 87 TERRACE FROM NW 27 AVENUE TO NW 25 AVENUE

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS**

**NW 24 COURT, NW 31 COURT, AND NW 87 TERRACE**

ITEM NO.	ITEM	UNIT	QUANT.	CURRENT	
				SET PRICE	AMOUNT
<b>GENERAL CONSTRUCTION OPERATIONS</b>					
102-60	CONSTRUCTION SIGNS (TEMPORARY, POST MOUNTED)	EA/DAY	1,710	0.40	684.00
102-74-1	BARRICADES ( TEMPORARY- TYPE I, II, VP & DRUM ).	EA/DAY	2,700	0.30	810.00
102-74-2	BARRICADES ( TEMPORARY, TYPE III, 6')	EA/DAY	540	0.50	270.00
102-77	HIGH INTENSITY FLASHING LIGHTS (TEMPORARY, TYPE "B")	EA/DAY	540	0.50	270.00
102-91-1A	PAVEMENT MARKING TEMPORARY (SOLID) (ANY WIDTH) (YELLOW OR WHITE) (PAINT)	LF	940	0.45	423.00
<b>EROSION CONTROL</b>					
104-18	INLET PROTECTION	EA	20	60.00	1,200.00
104-10-3	SEDIMENT BARRIERS	LF	3430	3.00	10,290.00
<b>CLEARING AND GRUBBING</b>					
110-1-1	CLEARING AND GRUBBING (INCLUDES REMOVAL OF EXISTING SIDEWALK, FLEXIBLE PAVEMENT, CURB AND GUTTER, DRAINAGE STRUCTURES, VEGETATION, TREES AND ANY DEBRIS TO BE DISPOSED OF IN LEGAL AREAS PROVIDED BY THE CONTRACTOR <i>(ASSUME 10% OF BASE ESTIMATE)</i> )	LS	1	40166.68	40,166.68
110-4H	REMOVAL OF EXIST CONC. SLAB	SY	19	12.00	228.00
110-4M	REMOVAL OF CBS WALL	LF	10	20.00	200.00
110-7-1A	INSTALL NEW MAILBOX	EA	1	400.00	400.00
<b>EARTHWORK</b>					
120-1	REGULAR EXCAVATION	CY	2937	7.40	21,733.80
120-6	EMBANKMENT (INCLUDES BORROW) (THIS ITEM IS CONTINGENT UPON EXISTING FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)	CY	28	15.00	420.00
120-8	RE-GRADE EXISTING SWALE (Where shown specifically on plans, or as directed by Engineer, contingent items may be increase or decrease by Engineer.)	SY	2515	5.50	13,832.50
160-4	TYPE "B" STABILIZATION (12" THICK) (MIN. C.B.R. 30)	SY	4531	3.40	15,405.40
200-1-2	LIMEROCK BASE (8" THICK)(DOUBLE COURSE) PRIMED	SY	4531	17.00	77,027.00
<b>BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT</b>					
327-70-01	MILLING, 1" AVERAGE DEPTH	SY	146	3.10	452.60
334-2-13-2	HOT MIX ASPHALT, TRAFFIC C, SP-9.5	TON	232	110.00	25,520.00
<b>DRAINAGE STRUCTURES AND PIPES</b>					
425-1-1	SWALE INLET (TYPE D-3)	EA	10	2600.00	26,000.00
425-1-2B	INLET (TYPE D-1)	EA	8	2600.00	20,800.00
425-2-420	MANHOLE P-7T (<10')	EA	6	3000.00	18,000.00
425-6	ADJUST EXISTING VALVE BOXES (MIAMI-DADE COUNTY ONLY) (THIS ITEM IS CONTINGENT UPON FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)	EA	5	250.00	1,250.00
430-171-121	PIPE CULVERT - 12" DIAMETER	LF	205	45.00	9,225.00
430-171-125	PIPE CULVERT - 18" DIAMETER	LF	248	50.00	12,400.00
443-70-3-2	EXFILTRATION DRAIN (18") (INCLUDES BALLAST ROCK, TRENCH, AND PLASTIC FILTER FABRIC)	LF	650	90.00	58,500.00
<b>CONCRETE</b>					
520-1-10	CONCRETE CURB AND GUTTER, TYPE "F" (6" CURB, 18" GUTTER) (INCLUDES COST OF LIMEROCK)	LF	1741	17.10	29,771.10
522-1(1)	CONCRETE SIDEWALK (4" THICK RESTORATION AND NEW, CLASS I CONCRETE, 3000 P.S.I.) (INCLUDING PEDESTRIAN RAMPS)	SY	732	30.33	22,201.56
522-2	CONCRETE SIDEWALK (6" THICK, 3000 P.S.I. CONCRETE AT 28 DAYS) (INCLUDES DRIVEWAY)	SY	110	36.52	4,017.20
527-2	CURB RAMP DETECTABLE WARNING SURFACE	SF	103	39.90	4,109.70
<b>BARRIERS GUARDRAIL AND FENCE</b>					
550-5	RELOCATE EXISTING FENCE	LF	50	25.27	1,263.50
<b>SODDING AND TREE RELOCATION</b>					
575-1-1	SODDING (PENSACOLA BAHIA OR MATCH EXISTING) (INCLUDES WATERING)	SY	2589	3.60	9,320.40
580-322-2A	TREE REMOVAL & DISPOSAL	EA	11	1000.00	11,000.00
<b>PAVEMENT MARKING AND SIGNAGE</b>					
700-40-1	SIGN SIGLE POST (LESS THAN 12 SQ FT)	EA	3	250.00	750.00
700-46-11	REMOVE EXISTING SIGN	EA	4	50.00	200.00
700-48-18	SIGN PANEL (LESS THAN 15 SQ FT)	EA	13	150.00	1,950.00
700-72	RELOCATE EXISTING SIGNS	EA	5	125.00	625.00
706-1-12	REFLECTIVE PAVEMENT MARKERS (CLASS B, MONO OR BI-DIRECTIONAL, ALL COLORS)	EA	44	4.50	198.00
711-11-123	SOLID TRAFFIC STRIPE (12" WHITE) (THERMOPLASTIC)	LF	327	2.00	654.00
711-11-125	SOLID TRAFFIC STRIPE (24" WHITE) (THERMOPLASTIC)	LF	91	3.55	323.05
711-11-211	SOLID TRAFFIC STRIPE (6" YELLOW) THERMOPLASTIC	LF	770	1.00	770.00
	<b>BASE ESTIMATE</b>				442,661.49
999	CONTINGENCY FUND (10% OF BASE ESTIMATE AMOUNT)	LS			44,266.15
	<b>SUB-TOTAL</b>				486,927.64
<b>DEDICATED ALLOWANCES</b>					
102-1	MAINTENANCE OF TRAFFIC (INCLUDING TEMPORARY REFLECTIVE PAVEMENT MARKERS, MARKINGS, TRAFFIC CONES, TEMPORARY SIGNS, FLAG MEN, ETC.) <i>(ASSUME 5% OF BASE ESTIMATE)</i>	LS			22,133.07
990	ALLOWANCE PERMITS	LS	1	4,500.00	4,500.00
	<b>GRAND-TOTAL</b>				513,560.71

Community Workforce Program

 **GEOCODE ADDRESSES**

<b>Address 1</b>	NW 87 TER and NW 27
Output addr	NW 87TH TER and NW
XCoord	905436.5625
YCoord	553407.5625

<b>Address 2</b>	NW 87 TER and NW 25
Output addr	NW 87TH TER and NW
XCoord	906108.5625
YCoord	553419.8125

<b>Address 3</b>	
Output addr	
XCoord	
YCoord	

<b>Address 4</b>	
Output addr	
XCoord	
YCoord	

GIS INFORMATION

[Print Friendly Format](#)

Target Urban Area	
Flag	1
Name	W Little River,

Focus Area	
Flag	1
Name	West Little River,

Empowerment Zone	
Flag	0
Name	

Enterprise Zone	
Flag	0
Name	

CDBG	
Flag	1
Name	WEST LITTLE RIVER,
CDBG Num	624,

Census Information	
Flag	1
Tract	001003,
BlockGroup	4,
Population (BlockGroup)	765,
Unemployment (BlockGroup)	18.7,
PercentLow (BlockGroup)	61.5,

Commission District Information
---------------------------------

Flag	1
Commissioner	Jean Monestime,
Commission	2,

Community Workforce Program

 **GEOCODE ADDRESSES**

Address 1	NW 31 CT and NW 88 S
Output addr	NW 31ST CT and NW 8
XCoord	903085.6875
YCoord	553576

Address 2	NW 31 CT and NW 90 S
Output addr	NW 31ST CT and NW S
XCoord	903061.3125
YCoord	553865.9375

Address 3	
Output addr	
XCoord	
YCoord	

Address 4	
Output addr	
XCoord	
YCoord	

**GIS INFORMATION**

[Print Friendly Format](#)

Target Urban Area	
Flag	1
Name	W Little River,

Focus Area	
Flag	0
Name	

Empowerment Zone	
Flag	0
Name	

Enterprise Zone	
Flag	1
Name	CENTRAL,

CDBG	
Flag	1
Name	WEST LITTLE RIVER,
CDBG Num	624,

Census Information	
Flag	1
Tract	000902,
BlockGroup	3,
Population (BlockGroup)	1311,
Unemployment (BlockGroup)	9.2,
PercentLow (BlockGroup)	56.4,

Commission District Information
---------------------------------

Flag	1
Commissioner	Jean Monestime,
Commission	2,

Address Not Found

ST Dir: <none>  
 ST Name:   
 ST Type: <none>  
 Zip (opt):  **Find Address**

**Area Entry Form**

ST Dir1	ST Name1	ST Type1
NW	24	CT
ST Dir2	ST Name2	ST Type2
NW	32	ST

Zip (opt):  **Add to list**

**Address List**

	Address	Active
1	NW 24 CT AND NW 32 ST	<input type="radio"/>
2	NW 24 CT AND NW 32 ST	<input type="radio"/>
3		<input type="radio"/>
4		<input type="radio"/>

**Clear List** **Geocode**

[Close]

Internet Explorer - provided by Miami Dade County

Community Workforce Program

GIS INFORMATION **Print Friendly Format**

Target Urban Area

Empowerment Zone

Enterprise Zone

COBC

Message from webpage

Address #2 could not be geocoded.  
 Make it active, correct it, may need a ZIP Code, and submit again.

**OK**

start | 11 Micros... | 2 Adobe A... | SBC Work Files | (C:)2014001... | 3 Internet... | 4:25 PM