

**Date:** March 26, 2013  
**To:** Jack Osterholt, Interim Director .  
Sustainability, Planning and  
Economic Enhancement Department  
Small Business Development Division

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

**Subject:** Notice of Construction Project:  
Miscellaneous Construction Contracts (MCC)  
Program: MCC 7360 Plan - CICC 7360-0/08  
Request for Price Quotation (RPQ) No. 20130055  
Water and Sewer Department (WASD)  
Street Rehabilitation Contract

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**RECOMMENDATION**

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 the following contract measure recommendation: Trade Set-Aside: Traffic Stripes and Markings: Painted and/or Thermoplastic. The cost estimate is \$634,100.00. PWWM attached its Project Measure Analysis and Recommendation findings along with other supporting documents for consideration. 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 several work locations are in a Designated Target Area (DTA).

**BACKGROUND**

Rehabilitation projects are used to compliment the preventive maintenance utilized by Miami-Dade County. The rehabilitation category generally serves to extend the life of the infrastructure by repairing those deteriorated sections or new construction areas. The service life is extended by repairing and rehabilitating the existing infrastructure, and the costly replacement of that infrastructure is postponed.

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This Project will provide various size and depths of finish for contracted patch repairs on various asphalt streets. Some streets have a moderate condition rating due to new construction and isolated defects on an otherwise good pavement. They do not warrant resurfacing but can be substantially up-graded by patching the problem areas and then possibly rejuvenating and/or crack filling. Additional life expectancy and a better ride will be the result.

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

RM/rm

Attachments (2)

C: Kelly Duncombe, SPEE  
Bassam Moubayed, PWWM  
Frank Aira, P.E., CFM, PWWM  
Dianah Coakley, 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.:** 20130055

\*Reference corresponding project number when submitting a work order

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

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

**Estimated Cost:** 634100    **Funding Source:** Other (specify)

**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, 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	<b>1</b>	<b>540</b>
Foremen	<b>1</b>	<b>540</b>
Operator	<b>2</b>	<b>540</b>

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
	\$	%	
	\$	%	
	\$	%	

**RECOMMENDATION**

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

**Basis for Recommendation: CSBE availability and Geocode revealed construction work to be performed is not within a Designated Target Area (DTA)**

**Date submitted to DBD:** 03-26-13

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

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

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

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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	540

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.

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

To: Jack Osterholt, Interim Director  
Sustainability, Planning and  
Economic Enhancement Department  
Small Business Development Division

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

Date: Tuesday, March 26, 2013

Department: Public Works

Contract Type:

Single Trade-Roadway Rehabilitation

Request for Price Quotation (RPQ) No.:

20130055

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

No

Project Title:

WASD Street Rehabilitation Contract

Standard Industrial Code (SIC):

16-Highway and Street Construction

Estimated Project Cost:

\$634,100.00

Funding Source:

WASD

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.: 20130055

RPQ Title: WASD Street Rehabilitation Contract

**Detailed Scope of Work:**

Work under this Project consists of furnishing all supervision, labor, materials, equipment, tools and performing all operations necessary for the replacement of pavements where the original repair has sunken due to backfill settlement, or when previous utility repairs; either temporary or permanent will require additional pavement removal and replacement beyond the original scope of work completed by Miami-Dade Water and Department's repair crews or its Contractors.

**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.: 20130055

RPQ Title: WASD Street Rehabilitation Contract

**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

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

Pavement Marking and Signage

**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: A few Work Order locations are located in a DTA
  - Page 1 through 2 of 10
- DBE Subcontractor Goal

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

RPQ No.: 20130055

RPQ Title: WASD Street Rehabilitation Contract

**Reason for Recommendation:**

This is a single trade project; none of the primary trade related work (Street Rehabilitation) 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:**

The work orders for the contract have identifiable opportunities for a Trade Set-Aside. The types of opportunities provided are appropriate for applying a Trade Set-Aside; and, effective competition exists in that three or more CSBEs appear to be available to perform in the recommended specialty trade area within SIC 17. The awarded Contractor and SBD shall verify with the user department the scope of work, dollar value and percentage of work achieved for CSBE participation on each Work Order upon expiration of the Contract.

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

None

**Scope of Work History Summary – Subcontracting Opportunities:**

Areas recommended for CSBE Goal (PWD/SBD):

Not Applicable

Areas used to meet subcontractor goal (Awarded Contractor):

Not Applicable

**Similar Projects previously submitted for RC Action:**

20080026	20100615	20120007
20080225	20100670	20120008

**CSBE Goal / Project No. / Amount achieved:**

No Measure/ 20070593

**WASD ROADWAY REHABILITATION CONTRACT BID ITEMS**

ITEM #	Description	Unit	Quantity	Unit Price	Amount
1WSB	Additional Asphalt Pavement Repair	SF	6000	\$ 1.00	\$ 6,000.00
1WS1A-1	Asphalt Surface Pavement Repair	SF	90000	\$ 3.30	\$ 297,000.00
2WS1	ASPHALT BASE	TON	18	\$ 90.00	\$ 1,620.00
3WS1A	Limerock Base Reconstruction / Repair.	SF	75	\$ 5.00	\$ 375.00
4WS1-A	Night Differential for Pavement Repair	PN	5	\$ 750.00	\$ 3,750.00
5WS1-A	Night Differential for Milling	PN	6	\$ 500.00	\$ 3,000.00
6WS1-A	Night Differential for Resurfacing	PN	6	\$ 500.00	\$ 3,000.00
102-74-1	Barricades Temporary Types I, II, VP and DRUM.	EA/Day	1500	\$ 0.50	\$ 750.00
102-91-1A	Pavement Marking Temporary (Solid).	LF	1125	\$ 0.30	\$ 337.50
102-60A	Work Zone Signs	EA/Day	300	\$ 1.00	\$ 300.00
102-76A	Advance Warning Arrow Panel.	EA/Day	75	\$ 20.00	\$ 1,500.00
121-70-1A	Flowable Fill.	CY	10	\$ 120.00	\$ 1,200.00
327-70	Milling Existing Pavement	SY	12000	\$ 3.00	\$ 36,000.00
337-8-42	Hot Mix Asphalt Friction Course, Traffic C, FC-9.5 PG 76-22	TON	400	\$ 120.00	\$ 48,000.00
332-2-13-1	Hot Mix Asphalt, Traffic C, SP-9.5	TON	807	\$ 100.00	\$ 80,700.00
339-1	MISCELLANEOUS ASPHALT PAVEMENT	TON	25	\$ 200.00	\$ 5,000.00
425-6	Adjust Existing Valve Boxes (MDC)	EA	25	\$ 200.00	\$ 5,000.00
425-5-1	Adjust Manhole	EA	15	\$ 240.00	\$ 3,600.00
700-20-11	Single Post Sign	AS	6	\$ 150.00	\$ 900.00
706-1-12	Reflective Pavement Markers	EA	77	\$ 4.00	\$ 308.00
711-11-124	Thermoplastic ( White) (Solid 18")	LF	15	\$ 1.80	\$ 27.00
711-11-125	Thermoplastic ( White) (Solid 24")	LF	45	\$ 2.50	\$ 112.50
711-11-160	Thermoplastic (White) (Message)	EA	4	\$ 45.00	\$ 180.00
711-11-170	Thermoplastic (White) (Arrows)	EA	4	\$ 45.00	\$ 180.00
711-11-224	Thermoplastic ( Yellow) (Solid 18")	LF	15	\$ 1.80	\$ 27.00
711-33-34	Skip Traffic Stripe ( 4" White/Yellow, 10' Stripe, 30" Skip)	LF	20	\$ 0.40	\$ 8.00
711-35-99	Solid Traffic Stripe Yellow or White 4" (6", 8" or 12" will be paid proportionally)	LF	1500	\$ 0.75	\$ 1,125.00
					\$ 500,000.00
999	Contingency (10% of the Base)	LS	1.00	\$ 50,000.00	\$ 50,000.00
101-1I	Mobilization for Milling	W.O.	24	\$ 1,200.00	\$ 28,800.00
101-1J	Mobilization for Thermoplastic Striping	W.O.	24	\$ 1,200.00	\$ 28,800.00
101-1K	Mobilization for Resurfacing	W.O.	24	\$ 1,000.00	\$ 24,000.00
102-10A	Off Duty Law	LS	1.00	\$ 2,500.00	\$ 2,500.00
990	Allowance Permits	LS	1.00	\$ 2,500.00	\$ 2,500.00
					\$ 134,100.00
					\$ 634,100.00