

Date: February 24, 2016

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

From: Alejandro Martinez-Esteve, RA, LEED AP
Manager, Capital Improvements Section
Department of Transportation and Public Works

Subject: Notice of Construction Project:
Miscellaneous Construction Contracts (MCC) Program:
MCC 7360 Plan - CICC 7360-0/08
Request for Price Quotation (RPQ) No. 20150202-R
Water and Sewer Department (WASD)
Street Rehabilitation Contract

RECOMMENDATION

Capital Improvements 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, Department of Transportation and Public Works (DTPW) suggests the following contract measure recommendation: Trade Set-Aside: Traffic Stripes and Markings: Painted and/or Thermoplastic. The cost estimate is \$ 719,198.75. DTPW has attached its Project Measure Analysis and Recommendation findings along with other supporting documents for consideration. DTPW 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. DTPW received a response from the Geocode System which determined that some 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.

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 otherwise good pavement. They do not warrant resurfacing but can be substantially up-graded by patching the problem areas and possibly rejuvenating and/or crack filling.

If any additional information is needed, please call Alicia Arce at (305) 375-1363, or Alejandro Martinez at (305) 375-2930.

AA/aa

Attachments (2)

C: Laurie Johnson, ISD
Marcia Martin, ISD
Bassam Moubayed, DTPW
Joaquin Rabassa, P.E., DTPW
Alicia Arce, DTPW
Dianah Coakley, DTPW
Project File DTPW

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.: 20150202-R

*Reference corresponding project number when submitting a work order

Contract/Project Title: WASD Street Rehabilitation Contract

Description/Scope of Work: See Attached

Estimated Cost: 719,198.75 **Funding Source:** WASD

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.
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	1	540
Foremen	1	540
Operator	2	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.

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment ☒

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
Paving Markings	\$6,612.50	1%	
	\$	%	
	\$	%	

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 within a Designated Target Area (DTA)

Date submitted to DBD: 2-24-2016

Contact Person: Alicia Arce or Alejandro Martinez

Telephone No.: 305-375-1363

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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 Department of Transportation and Public Works
Contract/Project Measure Analysis and Recommendation**

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

From: Alejandro Martinez-Esteve, RA, LEED AP.
Manager, Capital Improvements Section
Department of Transportation and Public Works

Date: Tuesday, February 24, 2016

Department: Department of Transportation and Public Works

Contract Type: Single Trade Roadway Rehabilitation

Single Trade-Roadway Improvements

Request for Price Quotation (RPQ) No.: 20150202-R

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 Total Construction Cost: \$719,198.75

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 Department of Transportation and Public Works
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20150202-R

RPQ Title: WASD Street Rehabilitation Contract

Detailed Scope of Work:

Work under this Contract includes furnishing of all supervision, labor, materials, tools, equipment 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 Sewer 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.

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

RPQ No.: 20150202-R

RPQ Title: WASD Street Rehabilitation Contract

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:

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:

20150201-R

CSBE Goal / Project No. / Amount achieved:

Trade Set-Aside / 20150201-R

WASD STREET REHABILITATION CONTRACT - NOVEMBER, 2015

ITEM #	Description	Unit	QTY	UNIT PRICE	AMOUNT
1WSB	Additional Asphalt Pavement Repair	SF	4000	\$ 1.00	\$ 4,000.00
1WS1A-1	Asphalt Surface Pavement Repair	SF	100000	\$ 3.30	\$ 330,000.00
2WS1	ASPHALT BASE	TON	20	\$ 90.00	\$ 1,800.00
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	5	\$ 500.00	\$ 2,500.00
6WS1-A	Night Differential for Resurfacing	PN	5	\$ 500.00	\$ 2,500.00
102-74-1	Barricades Temporary Types I, II, VP and DRUM.	EA/Day	1000	\$ 0.50	\$ 500.00
102-91-1A	Pavement Marking Temporary (Solid).	LF	1800	\$ 0.30	\$ 540.00
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	\$ 100.00	\$ 1,000.00
327-70	Milling Existing Pavement	SY	22150	\$ 2.50	\$ 55,375.00
334-2-13-1	Hot Mix Asphalt, Traffic C, SP-9.5	TON	1150	\$ 110.00	\$ 126,500.00
337-8-42	Hot Mix Asphalt Friction Course, Traffic C, FC-9.5 PG 76-22	TON	400	\$ 130.00	\$ 52,000.00
339-1	MISCELLANEOUS ASPHALT PAVEMENT	TON	25	\$ 150.00	\$ 3,750.00
425-6	Adjust Existing Valve Boxes (MDC)	EA	25	\$ 200.00	\$ 5,000.00
425-5-1	Adjust Manhole	EA	12	\$ 280.00	\$ 3,360.00
700-20-11	Single Post Sign	AS	4	\$ 180.00	\$ 720.00
706-1-12	Reflective Pavement Markers	EA	100	\$ 4.00	\$ 400.00
711-11-124	Thermoplastic (White) (Solid 18")	LF	20	\$ 3.50	\$ 70.00
711-11-125	Thermoplastic (White) (Solid 24")	LF	200	\$ 4.50	\$ 900.00
711-11-160	Thermoplastic (White) (Message)	EA	4	\$ 80.00	\$ 320.00
711-11-170	Thermoplastic (White) (Arrows)	EA	4	\$ 80.00	\$ 320.00
711-11-224	Thermoplastic (Yellow) (Solid 18")	LF	15	\$ 3.50	\$ 52.50
711-33-34	Skip Traffic Stripe (4" White/Yellow, 10' Stripe, 30" Skip)	LF	200	\$ 0.40	\$ 80.00
711-35-99	Solid Traffic Stripe Yellow or White 4" (6", 8" or 12" will be paid proportionally)	LF	5000	\$ 0.75	\$ 3,750.00
	TOTAL BASE AMOUNT				\$ 601,362.50
999	Contingency (10% of the Base)	LS	1		\$ 60,136.25
102-10A	Off Duty Law	LS	1		\$10,000.00
990	Allowance Permits	LS	1		\$2,500.00
101-1I	Mobilization for Milling	WO	14	\$ 1,200.00	\$ 16,800.00
101-1J	Mobilization for Thermoplastic Striping	WO	12	\$ 1,200.00	\$ 14,400.00
101-1K	Mobilization for Resurfacing	WO	14	\$ 1,000.00	\$ 14,000.00
	TOTAL CONSTRUCTION COST				\$ 719,198.75
	PROJECT ADMINISTRATION COST				\$ 179,799.69
	TOTAL PROJECT COST				\$ 898,998.44

APPENDIX "C"

LOCATION OF WORK

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

1. 3104 SW 98 Ct
2. 8758 SW 72 Street
3. 5201 SW 74 ST
4. 9804 SW 124 St
5. SW 103 PL & SW 146 TERR
6. 11235 SW 220 ST