

Date: November 6, 2017

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

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

Subject: Notice of Construction Project:
Miscellaneous Construction Contracts: MCC 7360 Plan
CICC 7360-0/08 - Request for Price Quotation (RPQ)
No.20170280
Roadway Resurfacing Contract

RECOMMENDATION

Departmental Contracts Measure Recommendation: Trade Set Aside for Traffic Stripes and Markings: Painted and/or Thermoplastic and Concrete; sidewalk and /or curb and gutter.

Engineer's Opinion of Probable Costs: \$1,636,130.88

Community Workforce Program (CWP): 10%

Project Locations: Various Locations

Reviewed by Small Business Development Target (SBD) Construction Manager: Yes

BACKGROUND

Asphalt Surfaces have a typical service life of 8 to 12 years, depending on the traffic and weather conditions. Asphalt resurfacing is necessary when the asphalt surface has reached the end of its service life or if other methods of restoration cannot repair the roadway. Asphalt resurfacing is a multistep process that usually involves several work crews, accompanied by proper construction signs and work-zone traffic control measures to maintain public safety.

If any additional information is needed, please call me at (305) 375-5320, or Alicia Arce at (305) 375-2930.

Attachments (2)
AA/aa

cc: Laurie Johnson, ISD
Jhonnatan Escalante, ISD
Marcia Martin, ISD
Dianah Coakley, DTPW

Bassam Moubayed, DTPW
Joaquin Rabassa, P.E., DTPW
Alicia Arce, DTPW
Project File

**Department of Transportation and Public Works Input
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.: 20170280

*Reference corresponding project number when submitting a work order

Contract/Project Title: Roadway Resurfacing Contract

Description/Scope of Work: See Attached

Estimated Cost: 1,636,130.88 Funding Source: RIF

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 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	2	450
Foremen	2	450
Operator	1	450

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	\$ 154,164.87	% 12	
Concrete	\$ 71,697.96	% 4	
	\$	%	

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 : TRADE Set-Aside : Traffic Stripes and Markings : Painted and/or Thermoplastic and Concrete: Sidewalk and/or Curb and Gutter, including American with Disabilities (ADA) items. CSBE availability and Geocode revealed construction work to be performed is within a Designated Target Area (DTA)

Date submitted to DBD: 11-06-2017

Contact Person: Alicia Arce or Alejandro Martinez-Estevez

Telephone No.: 305-375-1363

**Department of Transportation and Public Works Input
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 ☒

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*Reference corresponding project number when submitting a work order

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

Description/Scope of Work: See Attached

Estimated Cost: \$1,636,130.88 **Funding Source:** RIF

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
Laborers	6	450

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 within a Designated Target Area (DTA)

Date submitted to DBD: 11-06-17

Contact Person: Alicia Arce or Alejandro Martinez-Estevez

Telephone No.: 305-375-1363

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

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

From: Alicia Arce
Engineer II
Department of Transportation and Public Works

Date: Monday, November 6, 2017

Department: Department of Transportation and Public Works

Contract Type: Roadway Resurfacing

Single Trade-Roadway Improvements

Request for Price Quotation (RPQ) No.: 20170280

Re-submittal: ☐Yes; Previous Review Committee (RC) Submittal Dates
☒No

Project Title: Roadway Resurfacing Contract (Push Button-South)

Standard Industrial Code (SIC): 16-Highway and Street Construction

Estimated Project Cost: \$1,636,130.88

Funding Source: RIF

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

Method of Award: Line Item

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

RPQ No.: 20170280

RPQ Title: Roadway Resurfacing Contract

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.

Work includes but is not limited to, the following: Milling and resurfacing, widening and resurfacing of intersecting streets up to the existing joint at the side street, or up to the Point of Curvature (PC) as determined by the Engineer, and/or as indicated on the Plans, resurfacing of asphaltic pathways (pedestrian, bicycle, etc.) adjacent or not to the edge of pavement as necessary, temporary utility repairs (cold patches), clearing and excavating of shoulder areas or build-up, as directed by the Engineer; grading and clean-up of adjacent shoulders and removal of roots, as required, pavement markings including the installation of reflective pavement markers (blue/blue) at fire hydrant locations, sidewalk, sidewalk cubs and connectors, and pedestrian ramps.

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.

**Department of Transportation and Public Works Input
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RPQ No.: 20170280

RPQ Title: Roadway Resurfacing 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 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):
 - Traffic Stripes and Markings: Painted and/or Thermoplastic
 - Concrete: Sidewalk and/or Curb and Gutter, including American with Disabilities (ADA) items.
- ☐ 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

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

RPQ No.: 20170280

RPQ Title: Roadway Resurfacing 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:

20170279

CSBE Goal / Project No. / Amount achieved:

Trade Set-Aside / 20170279

1.01 LOCATION OF WORK

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

1-NW 79 Street to NW 87 Street & NW 32 Ave to NW 37 Ave

2-NW 37 Ave from NW 20 Street to West Flagler Street

RIF RESURFACING CONTRACT - \$2.3M

ITEM #	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT(\$)
1-WSR	SAW CUT EXIST. TRENCH AND REM.(2" MIN)	S.F.	190.00	\$2.16	\$410.40
2-WSR	REPLACEMENT OF BASE (8") & 6" ASPHALT	S.F.	1,665.00	\$4.86	\$8,091.90
5WS1-A	NIGTH DIFF. FOR MILLING	P.N.	10.00	\$324.00	\$3,240.00
6WS1-A	NIGTH DIFF. FOR RESURFACING	P.N.	10.00	\$324.00	\$3,240.00
101-1	MOBILIZATION	W.O.	5.00	\$324.00	\$1,620.00
102-74-2	BARRICADES(Temporary , Type III,6')	EA/DAY	1,289.00	\$0.70	\$904.88
102-76	FLASHING ARROW BOARD	EA/DAY	81.00	\$21.60	\$1,749.60
102-8A	RE-GRADE EXISTING SWALE	S.Y.	7.00	\$5.40	\$37.80
102-99	VARIABLE MESSAGE SIGN (Temporary)	EA/DAY	225.00	\$27.00	\$6,075.00
102-60-A	WORK ZONE SIGNS	EACH	537.00	\$1.08	\$579.96
110-4	REMOVAL OF EXISTING PAVEMENT	S.Y.	250.00	\$3.24	\$810.00
110-4-1-1	REMOVAL AND DISPOSAL OF EXISTING CURB & GUTTER	L.F.	1,096.00	\$4.32	\$4,734.72
110-4-2A	REMOVAL OF EXISTING CONCRETE(up to 8" thick, incl. base prep.)	S.Y.	868.00	\$6.48	\$5,624.64
120-1	REGULAR EXCAVATION	C.Y.	23.00	\$2.16	\$49.68
120-2-3	EMBANKMENT FOR ROAD BUILD-UP	C.Y.	10.00	\$6.48	\$64.80
120-2-4	EMBANKMENT MATERIAL FOR SHOULDER	S.Y.	10.00	\$7.02	\$70.20
160-4	TYPE "B" STABILIZATION	S.Y.	10.00	\$10.80	\$108.00
200-2	BASE PREPARATION FOR NEW SIDEWALK	S.Y.	123.00	\$5.40	\$664.20
200-1-2	LIMEROCK BASE (8" Double Course)(Primed)	S.Y.	100.00	\$16.20	\$1,620.00
327-70	MILLING EXISTING PAVEMENT(1")	TON	119,136.00	\$2.05	\$244,467.07
334-2-13-1	HOT MIX ASPHALT TRAFFIC C, SP-9.5	TON	4,167.00	\$102.60	\$427,534.20
337-8-42	HOT MIX ASPHALT FRICTION COURSETRAFFIC C, FC-9.5, PG 76-22	EA	5,461.00	\$118.80	\$648,766.80
425-4(2)	ADJUSTING INLETS	EA	10.00	\$162.00	\$1,620.00
425-5	ADJUST MANHOLE	EA	78.00	\$324.00	\$25,272.00
425-6	ADJUST VALVES BOXES	EA	69.00	\$189.00	\$13,041.00
425-721E	REMOVAL AND DISPOSAL OF EXIST.FRAMES MH	EA	10.00	\$378.00	\$3,780.00
425-721F	REMOVAL AND DISPOSAL OF EXIST.FRAMES W.V.	EA	10.00	\$243.00	\$2,430.00
425-944B	RECONSTRUCT MANHOLE	L.F.	5.00	\$324.00	\$1,620.00
520-2A	CONCRETE CURB AND/OR GUTTER(any type,inc.base prep.)	S.Y.	1,224.00	\$16.20	\$19,828.80
522-1(1)	CONCRETE SIDEWALK(4"Thick,3,000 P.S.I. includes cost of pedestrian ramps and Sidewalk curbs)	S.Y.	902.00	\$23.76	\$21,431.52
522-2	CONCRETE SIDEWALK(6"Thick,3,000 P.S.I. includes cost of pedestrian ramps and Sidewalk curbs)	S.F.	93.00	\$34.56	\$3,214.08
527-2	DETECTABLE WARNING ON WALKING SURFACE	S.Y.	600.00	\$27.00	\$16,200.00
575-1-1	SODDING(PENSACOLA BAHIA OR MATCH EX.)	AS	110.00	\$3.78	\$415.80
635-11-11	PULL BOX, METER TYPE (Polymer)	AS	12.00	\$486.00	\$5,832.00
700-40-01	ROADSIDE SIGN (SINGLE POST)(LESS THAN 12 S.F.)	AS	7.00	\$270.00	\$1,890.00
700-46-22	RESET EXISTING POST AND SIGN	EA	1.00	\$54.00	\$54.00
705-71-361	36" TUBULAR DELINEATOR	EA	94.00	\$51.84	\$4,872.96
706-1-12	REFLECTIVE PAVEMENT MARKERS(MONO-DIR)	L.F.	3,240.00	\$4.32	\$13,996.80
710-11-121	PAINTED PAVEMENT MARKINGS(STANDARD, WHITE, SOLID 6")	L.F.	37,673.00	\$0.19	\$7,323.63
710-11-122	PAINTED PAVEMENT MARKINGS(STANDARD, WHITE, SOLID 8")	L.F.	1,650.00	\$0.26	\$427.68
710-11-123	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 12")	L.F.	6,602.00	\$0.39	\$2,566.86
710-11-124	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 18")	L.F.	542.00	\$0.58	\$316.09
710-11-125	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 24")	L.F.	2,748.00	\$0.78	\$2,136.84
710-11-141	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(SKIP)(6")	EA	16,252.00	\$0.22	\$3,510.43
710-11-160	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(MESSAGE)	EA	10.00	\$43.20	\$432.00
710-11-170	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(ARROWS)	L.F.	119.00	\$27.00	\$3,213.00
710-11-241	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SKIP)(6")	L.F.	1,420.00	\$0.19	\$276.05
710-11-221	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SOLID)(6")	L.F.	40,610.00	\$0.58	\$23,683.75
710-11-224	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SOLID)(18")	L.F.	655.00	\$0.22	\$141.48
710-26-41A	SOLID TRAFFIC STRIPE, PAINT - (4" WHITE, OR YELLOW)	L.F.	561.00	\$0.16	\$90.88
711-2	SKIP TRAFFIC STRIPE(6" STRIPE, 10' SPACE) (WHITE THERMO) (6"WIDE)	L.F.	10.00	\$1.08	\$10.80
711-5	GUIDELINES (6" DOTTED)(2'4' WHITE) (THERMOPLASTIC)	L.F.	220.00	\$1.08	\$237.60
711-11-121	THERMOPLASTIC(WHITE)(SOLID) (6")	L.F.	39,690.00	\$0.65	\$25,719.12
711-11-122	THERMOPLASTIC(WHITE)(SOLID) (8")	L.F.	2,437.00	\$0.86	\$2,105.57
711-11-123	THERMOPLASTIC(WHITE)(SOLID) (12")	L.F.	5,883.00	\$1.30	\$7,624.37
711-11-124	THERMOPLASTIC(WHITE)(SOLID) (18")	L.F.	586.00	\$1.94	\$1,139.18
711-11-125	THERMOPLASTIC(WHITE)(SOLID) (24")	L.F.	2,824.00	\$2.59	\$7,319.81
711-11-141	THERMOPLASTIC(WHITE)(SKIP) (6")	EA	6,344.00	\$0.97	\$6,166.37
711-11-160	THERMOPLASTIC(WHITE)(MESSAGE)	EA	18.00	\$113.40	\$2,041.20
711-11-170	THERMOPLASTIC(WHITE)(ARROWS)	L.F.	110.00	\$59.40	\$6,534.00
711-11-221	THERMOPLASTIC(YELLOW)(SOLID) (6")	L.F.	36,963.00	\$0.65	\$23,952.02
711-11-224	THERMOPLASTIC(YELLOW)(SOLID) (18")	L.F.	1,000.00	\$1.94	\$1,944.00
711-11-241	THERMOPLASTIC(YELLOW)(SKIP) (6")	EA	1,704.00	\$0.97	\$1,656.29
711-14-160	THERMOPLASTIC, PREFORMED,WHITE,MESSAGE	L.F.	29.00	\$270.00	\$7,830.00
711-2A	SKIP TRAFFIC STRIPE (4" WHT/YELL 6X10)	L.F.	10.00	\$0.86	\$8.64
711-33-34	SKIP TRAFFIC STRIPE (4" WHT/YELL 10x30)	L.F.	240.00	\$0.86	\$207.36
711-35-41	SOLID TRAFFIC STRIPE (4"WHITE)(THERMOPLASTIC)	L.F.	528.00	\$0.54	\$285.12
711-36-41	SOLID TRAFFIC STRIPE (4"YELLOW)(THERMOPLASTIC)	S.F.	18.00	\$0.54	\$9.72
711-72	REMOVAL OF EXISTING PAVEMENT MARKINGS(THERMO & PAINT)		466.00	\$2.70	\$1,258.20
	TOTAL BASE AMOUNT				\$1,636,130.88
999	CONTINGENCY ALLOWANCE (10%)				\$163,613.09
	SUB-TOTAL				\$1,799,743.97
	DEDICATED ALLOWANCES				
102-10A	OFF-DUTY LAW ENFORCEMENT OFFICER	LS	1.0000000	\$60,000.00	\$60,000.00
300-1-999	BITUMINUOS ADJUSTMENT	LS	1.0000000	\$20,000.00	\$20,000.00
990	PERMIT ALLOWANCE	LS	1.0000000	\$4,200.08	\$4,200.08
102-1P	MAINTENANCE OF TRAFFIC (2% OF BASE AMOUNT)	LS	1.0000000	\$32,722.62	\$32,722.62
	TOTAL DEDICATED ALLOWANCES				\$116,922.70
	CONSTRUCTION COST ESTIMATE				\$1,916,666.67
	PROJECT ADMINISTRATION COST (20%)				\$383,333.33
	TOTAL CONSTRUCTION COST				\$2,300,000.00

concrete

\$71,697.96

4.38%

Pavement Ma

\$154,164.87

9.42%