

Date:

February 10, 2016

To:

Gary Hartfield, Division Director Internal Service Department

Small Business Development Division

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 7360

Plan - CICC 7360-0/08 - Request for Price

Quotation (RPQ) No.20160020 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: \$2,163,661.29

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 Eddy Etienne, ISD Marcia Martin, ISD

Dianah Coakley, PWWM

Bassam Moubayed, PWWM Joaquin Rabassa, P.E., PWWM

Alicia Arce, PWWW

Project File

Check applicable Ordinance	e(s): 🛭 90-143 Responsi	ble Wage and Benefits	☐ 03-237 (formerly 03-1	1) Community Workforce Program
	PROJEC	CT INFORMATION	<b>See attachment</b> ⊠	
Contract/Project/*Work *Reference corresponding pro		ng a work order		
Contract/Project Title: 1	Roadway Resurfacing C	Contract		
Description/Scope of Wo	rk: See Attached			
<b>Estimated Cost: 2, 163,66</b>	61.29 Funding Source	ce: RIF		
<u>Various Locations.</u>			45 NE 23 <sup>rd</sup> Ct or Starts at 13	
<u>PROJI</u>	ECT ANALYSIS FOI	R GOAL RECOMME	NDATION (CWP) See	attachment 🗵
Engineer/Department or				:
Trade/Skills Required	de/Skills Required Est. # of workforce required per trade		red per trade	Est. # of total days to complete job
Supervisor	ervisor 2			450
Foremen 2				450
Operator		1		450
above. In addtion, respe	ective employees utiliz	ed for various scopes of	job may not be equal to a work throughout the dur	
Sub-Trade	Est. Cost	% of Item to Base F	Bid Availabil	ity
Paving Markings	\$ 171,203.51	% 9.00		
Concrete	\$ 116,955.00	% 6.00		
	\$	%		
Basis for Recommenda Traffic Stripes and Ma including American wi performed is within a l Date submitted to DBI Contact Person: Alicia	ntion: PWWM sugges arkings : Painted and/ ith Disabilities (ADA) Designated Target Ar D: <u>02-10-2016</u> Arce or Alejandro M	ts the following contra for Thermoplastic and items. <u>CSBE availabil</u> ea (DTA)	ontractor Goal  Workfor  oct measure recommends  Concrete: Sidewalk and	ation : TRADE Set-Aside :
<b>Telephone No.:</b> <u>305-375</u>	0-1303			

Check applicable Ordinance(s	s): 🛛 90-143 Respon	nsible Wage and Benefits	03-237 (formerly	03-1) Commu	nity Workforce Program
	<u>PROJI</u>	ECT INFORMATION	See attachment ⊠		
Contract/Project/*Work O *Reference corresponding project					
Contract/Project Title: R	loadway Resurfacin	g Contract			
Description/Scope of Work	: See Attached				
Estimated Cost: <u>\$2,163,661</u>	1.29 Funding Sou	ırce: RIF			
Location of Project (street Various, please see attac		g and ending points) i.e. 12.	345 NE 23 <sup>rd</sup> Ct or Starts	at 135 St. ends	at 145 St.
PROJEC	CT ANALYSIS FO	OR GOAL RECOMME	NDATION (CWP)	See attachme	ent 🗌
Engineer/Department or A	Agency's estimated				
Trade/Skills Required		Est. # of workforce required per trade		Est. # of complete	total days to e job
Laborers		6		450	
Comments: Please note the above. In addition, respectively.  PROJECT ANALYSIS	ctive employees uti	lized for various scopes of OMMENDATION (CS	of work throughout the  BE) See attachmen	e duration of t	•
Sub-Trade	Est. Cost	% of Item to Base	Bid Avai	ilability	
	\$	% %			
	\$	%			
		RECOMMENDA			
Set-Aside: Level 1 Level	12 Level 3 L	Γrade Set-Aside ⊠ Sub-C	ontractor Goal Wo	rkforce Goal⊠	No Measure
Basis for Recommendati Designated Target Area		ility and Geocode revea	led construction wor	k to be perfo	rmed is within a
Date submitted to DBD:	2 <u>-10-2016</u>				
Contact Person: Alicia A Telephone No.: 305-375-		<u>Martinez-Estevez</u>			

To: Gary Hartfield, Division Director Internal Service Department Small Business Development Division From: Alicia Arce Engineer II Department of Transportation and Public Works Date: Wednesday, February 10, 2016 Department: Department of Transportation and Public Works Contract Type: Roadway Resurfacing Single Trade-Roadway Improvements Request for Price Quotation (RPQ) No.: 20160020  $\bowtie$ No Project Title: Roadway Resurfacing Contract Standard Industrial Code (SIC): 16-Highway and Street Construction Estimated Project Cost: \$2,163,661.29 Funding Source: RIF Bonding Requirements: Bid Bond-5% of base bid amount Performance Bond- 100% of Contract Award Amount

Method of Award: Line Item

RPQ No.: 20160020

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 Statues (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.: 20160020

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 Me	asure Recommendation:
	No Measure
	Set-Aside:
	Level I Level III
$\boxtimes$	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
$\boxtimes$	CWP: A few Work Order locations are located in a DTA
	Page 1 through 2 of 10
	DBE Subcontractor Goal

RPQ No.: 20160020

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 (DTPW/SBD):

Not Applicable

Areas used to meet subcontractor goal (Awarded Contractor):

Not Applicable

Similar Projects previously submitted for RC Action:

201500157

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

Trade Set-Aside / 20150157

ITEM#	DESCRIPTION	Unit	Qty	Unit Price	Amount
1-WSR	SAW CUT EXIST. TRENCH AND REM.(2" MIN)	S.F.	3141	\$4.00	\$12,564.00
2-WSR	REPLACEMENT OF BASE (8") & 6" ASPHALT	S.F.	1353	\$6.50	\$8,794.50
5WS1-A	NIGTH DIFF. FOR MILLING	P.N.	1	\$300.00	\$300.00
6WS1-A	NIGTH DIFF. FOR RESURFACING	P.N.	1	\$300.00	\$300.00
101-327A	MOBILIZATION FOR MILLING	PER/SEC	8	\$300.00	\$2,400.00
102-74-2	BARRICADES(Temporary , Type III,6')	EA/DAY	762	\$0.65	\$495.30
102-76	FLASHING ARROW BOARD	EA/DAY	66	\$20.00	\$1,320.00
102-8A	RE-GRADE EXISTING SWALE	S.Y.	10	\$5.00	\$50.00
102-99	VARIABLE MESSAGE SIGN (Temporary)	EA/DAY	145	\$14.00	\$2,030.00
102-60-A	WORK ZONE SIGNS	EACH	535	\$1.00	\$535.00
110-4	REMOVAL OF EXISTING PAVEMENT	S.Y.	7	\$3.00	\$21.00
110-4-1-1	REMOVAL AND DISPOSAL OF EXISTING CURB & GUTTER	L.F.	766	\$10.00	\$7,660.00
110-4-2A	REMOVAL OF EXISTING CONCRETE(up to 8" thick, incl. base prep.)	S.Y.	946	\$15.00	\$14,190.00
120-1	REGULAR EXCAVATION	L.F.	33	\$2.00	\$66.00
120-2-3	EMBANKMENT FOR ROAD BUILD-UP	C.Y.	11	\$6.00	\$66.00
120-2-4	EMBANKMENT MATERIAL FOR SHOULDER	C.Y.	48	\$6.50	\$312.00
160-4	TYPE "B" STABILIZATION	S.Y.	56	\$10.00	\$560.00
200-2	BASE PREPARATION FOR NEW SIDEWALK		124	\$15.00	\$1,860.00
200-2	LIMEROCK BASE (8" Double Course)(Primed)	S.Y.			
		S.Y.	57	\$15.00	\$855.00
327-70	MILLING EXISTING PAVEMENT(1")		147200	\$2.50	\$368,000.00
334-2-13-1	HOT MIX ASPHALT TRAFFIC C, SP-9.5	TON	960	\$105.00	\$100,800.00
337-8-42	HOT MIX ASPHALT FRICTION COURSETRAFFIC C, FC-9.5, PG 76-22	TON	10120	\$115.00	\$1,163,800.00
425-4(2)	ADJUSTING INLETS	EA	1	\$150.00	\$150.00
425-5	ADJUST MANHOLE	EA	30	\$300.00	\$9,000.00
425-6	ADJUST VALVES BOXES	EA	61	\$175.00	\$10,675.00
425-721E	REMOVAL AND DISPOSAL OF EXIST.FRAMES MH	EA	2	\$350.00	\$700.00
425-721F	REMOVAL AND DISPOSAL OF EXIST.FRAMES W.V.	EA	3	\$225.00	\$675.00
425-944B	RECONSTRUCT MANHOLE	EA	0	\$300.00	\$0.00
520-2A	CONCRETE CURB AND/OR GUTTER(any type,inc.base prep.)	L.F.	810	\$18.00	\$14,580.00
	CONCRETE SIDEWALK(4"Thick,3,000 P.S.I. includes cost of pedestrian ramps				
522-1(1)	and Sidewalk curbs)	S.Y.	700	\$28.00	\$19,600.00
	CONCRETE SIDEWALK(6"Thick,3,000 P.S.I. includes cost of pedestrian ramps				
522-2	and Sidewalk curbs)	S.Y.	324	\$35.00	\$11,340.00
527-2	DETECTABLE WARNING ON WALKING SURFACE	S.F.	997	\$30.00	\$29,910.00
575-1-1	SODDING(PENSACOLA BAHIA OR MATCH EX.)	S.Y.	715	\$3.50	\$2,502.50
635-11-11	PULL BOX, METER TYPE (Polymer)	AS	4	\$450.00	\$1,800.00
700-40-01	ROADSIDE SIGN (SINGLE POST)(LESS THAN 12 S.F.)	AS	31	\$250.00	\$7,750.00
700-46-22	RESET EXISTING POST AND SIGN	AS	2	\$50.00	\$100.00
705-71-361	36" TUBULAR DELINEATOR	EA	10	\$48.00	\$480.00
706-1-12	REFLECTIVE PAVEMENT MARKERS(MONO-DIR)	EA	3500	\$4.00	\$14,000.00
710-11-121	PAINTED PAVEMENT MARKINGS(STANDARD, WHITE, SOLID 6")	L.F.	50991	\$0.18	\$9,178.38
710-11-122	PAINTED PAVEMENT MARKINGS(STANDARD, WHITE, SOLID 8")	L.F.	411	\$0.24	\$98.64
710-11-123	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 12")	L.F.	11527	\$0.36	\$4,149.72
710-11-124	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 18")	L.F.	340	\$0.54	\$183.60
710-11-125	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 24")	L.F.	4212	\$0.72	\$3,032.64
710-11-141	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(SKIP)(6")	L.F.	6068	\$0.20	\$1,213.60
710-11-160	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(MESSAGE)	EA	11	\$40.00	\$440.00
710-11-170	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(ARROWS)	EA	99	\$25.00	\$2,475.00
710-11-221	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SOLID)(6")	L.F.	45323	\$0.18	\$8,158.14
710-11-224	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SOLID)(18")	L.F.	966	\$0.54	\$521.64
710-11-241	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SKIP)(6")	L.F.	8179	\$0.20	\$1,635.80
710-26-41A	SOLID TRAFFIC STRIPE, PAINT - (4" WHITE, OR YELLOW)	L.F.	3025	\$0.15	\$453.75
711-2	SKIP TRAFFIC STRIPE(6' STRIPE, 10' SPACE) (WHITE THERMO) (6"WIDE)	L.F.	4	\$1.00	\$4.00
711-5	GUIDELINES (6" DOTTED)(2'4' WHITE) (THERMOPLASTIC)	L.F.	174	\$1.00	\$174.00
711-11-121	THERMOPLASTIC(WHITE)(SOLID) (6")	L.F.	70014	\$0.60	\$42,008.40
711-11-122	THERMOPLASTIC(WHITE)(SOLID) (8")	L.F.	733	\$0.80	\$586.40
711-11-122	THERMOPLASTIC(WHITE)(SOLID) (12")	L.F.	9048	\$1.20	\$10,857.60
711-11-124	THERMOPLASTIC(WHITE)(SOLID) (12)	L.F.	674	\$1.80	\$1,213.20
711-11-125	THERMOPLASTIC(WHITE)(SOLID) (16 ) THERMOPLASTIC(WHITE)(SOLID) (24")	L.F.	3636	\$2.40	\$8,726.40
711-11-125	THERMOPLASTIC(WHITE)(SCID) (24 ) THERMOPLASTIC(WHITE)(SKIP) (6")	L.F.	3173	\$0.90	\$2,855.70
711-11-141	THERMOPLASTIC(WHITE)(SKIP) (6 ) THERMOPLASTIC(WHITE)(MESSAGE)	EA	15	\$105.00	\$1,575.00
711-11-160			96		
711-11-170	THERMOPLASTIC(WHITE)(ARROWS)	EA		\$55.00	\$5,280.00
711-11-221	THERMOPLASTIC(YELLOW)(SOLID) (6")	L.F.	35737	\$0.60 \$1.80	\$21,442.20
	THERMOPLASTIC (YELLOW) (SOLID) (18")	L.F.	982		\$1,767.60
711-11-241	THERMOPLASTIC (YELLOW) (SKIP) (6")	L.F.	3357	\$0.90	\$3,021.30
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	102	\$250.00	\$25,500.00
711-2A	SKIP TRAFFIC STRIPE (4" WHT/YELL 6X10)	L.F.	18	\$0.80	\$14.40
711-33-34	SKIP TRAFFIC STRIPE (4" WHT/YELL 10x30)	L.F.	108	\$0.80	\$86.40
711-35-41	SOLID TRAFFIC STRIPE (4"WHITE)(THERMOPLASTIC)	L.F.	10	\$0.50	\$5.00
711-36-41	SOLID TRAFFIC STRIPE (4"YELLOW)(THERMOPLASTIC)	L.F.	10	\$0.50	\$5.00
711-72	REMOVAL OF EXISTING PAVEMENT MARKINGS(THERMO & PAINT)	S.F.	24	\$2.50	\$60.00
					\$1,966,964.81
999	CONTINGENCY ALLOWANCE				\$196,696.48
					\$2,163,661.29
102-10A	OFF-DUTY LAW ENFORCEMENT OFICER		1	\$70,000.00	\$70,000.00
300-1-999	BITUMINUOS ADJUSTMENT		1	\$25,000.00	\$25,000.00
990	PERMIT ALLOWANCE		1	\$1,999.41	\$1,999.41
102-1P	MAINTENANCE OF TRAFFIC		1	\$39,339.30	\$39,339.30
				Total	\$2,300,000.00
	CEI Cost (20%)				\$460,000.00
			Gra	nd Total	\$2,760,000.00

8.66% 91.34% 100.00%

11080 Spread

137.5

Concrete Items

\$116,955.00 5.95%

Striping Items \$171,203.51 8.70%

### PROJECT No.20160020 List of Sites

BCC Dist No.	RIF Dist	Location	\$
3	2	N Miami Av from N 17 St to N 87 St	\$1,894,000.00
1	3	NE 215 St from NE 2 Av to NE 12 Av	\$406,000.00
			\$2,300,000.00