

Date: May 8, 2019

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

From: Alfredo E. Munoz, P.E.
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) Nos.20190120, 20190121,
20190122 Roadway Resurfacing

RECOMMENDATION

The Department's Capital Improvements staff completed the review of the subject RPQ in accordance with the applicable provisions of Implementing Order 3-22 and recommends a Small Business Enterprise - Construction (SBE-CONST) measure. A Community Workforce Program (CWP) goal, if applicable, is to be determined by Small Business Development.

Scope of Work:	Single Trade – Roadway Improvements
Engineer Project Base Cost Estimate Including Contingency:	\$3,580,010
SBE-CONST Measure:	Trade Set Aside
SBE-GS Measure:	Not Applicable
CWP:	As Applicable

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 as determined by the Engineer or as indicated in 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 curbs and connectors, and pedestrian ramps. The Engineer will make the final determination of any changes required due to conflict of design and or field conditions.

Resurfacing work may include any of the following:

1. Application of asphaltic concrete surface course to existing wearing course.
2. Application of asphaltic concrete leveling courses to existing wearing surfaces prior to and in preparation for item 1 above.
3. Application of asphaltic concrete to previously primed rock roads.

4. Fathering of the asphaltic concrete mat on private driveways to a point two (2) feet from the edge of the roadway. Resurfacing of the remainder of private driveways is expressly prohibited under this Contract, unless directed by the Engineer.
5. Adjustment of all storm water, water and sewer valves and manholes prior to resurfacing. All adjustments shall be made by the built-up method, not by the use of adjustment of rings..

Should you require any additional information, please call me at (305) 375-4891, or Alicia Arce at (305) 375-1363.

Attachments (2)

AM/am

cc: Laurie Johnson, ISD/SBD
Jhonnatan Escalante, ISD
Bassam Moubayed, DTPW
Rene Idarraga, P.E., DTPW
Alicia Arce, DTPW

Eddy Etienne, ISD/SBD
Marcia Martin, ISD
Joaquin Rabassa, P.E., DTPW
Carlos Londono, DTPW
Project File

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION

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

From: Alfredo E. Munoz, P.E.
Chief, Capital Improvements Division
Department of Transportation and Public Works (DTPW)

Date: Wednesday, May 8, 2019

CONTRACT INFORMATION

Contract Type: MCC 7360 Plan: Single Trade – Roadway Improvements

**Request for Price
Quotation (RPQ) No:** 20190120, 20190121, 20190122

RPQ Title: Roadway Resurfacing

Re-submittal: No

**Prevailing Wages Rate
Required:** 23731-Highway Street and Bridge Construction

**Estimated Base Project Cost
Including Contingency:** 20190120- \$3, 580,010
20190121- \$3, 580,010
20190122- \$3, 580,010

Funding Source: RIF

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

Method of Award: Line Item

PROJECT INFORMATION

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 as determined by the Engineer or as indicated in 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

RPQ No.: 20190120, 20190121, 20190122
RPQ Title: Roadway Resurfacing

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 curbs and connectors, and pedestrian ramps. The Engineer will make the final determination of any changes required due to conflict of design and or field conditions.

Resurfacing work may include any of the following:

1. Application of asphaltic concrete surface course to existing wearing course.
2. Application of asphaltic concrete leveling courses to existing wearing surfaces prior to and in preparation for item 1 above.
3. Application of asphaltic concrete to previously primed rock roads.
4. Fathering of the asphaltic concrete mat on private driveways to a point two (2) feet from the edge of the roadway. Resurfacing of the remainder of private driveways is expressly prohibited under this Contract, unless directed by the Engineer.
5. Adjustment of all storm water, water and sewer valves and manholes prior to resurfacing. All adjustments shall be made by the built-up method, not by the use of adjustment of rings.

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.

RECOMMENDATION

Areas for Possible Measures: Pavement Marking and Signage and Concrete Work

Areas Recommended for SBE-construction Participation: 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 and signage: Painted and/or Thermoplastic
 - Concrete: Sidewalk and/or Curb and Gutter, including American with Disabilities (ADA) items
- Aggregate Set-Aside
- SBE-CONST Goal:
- SBE-GS Goal: Not applicable
- CWP: As Applicable.
- DBE Subcontractor Goal

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.

Similar Projects previously submitted for Project Review and Analysis Process:

20190078: Roadway Resurfacing Contract

20190080: Roadway Resurfacing Contract

SBE-CONST Goal / Project No. / Amount achieved: As determined by SBD

RIF RESURFACING CONTRACT - \$4.5M

ITEM #	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT(\$)
1-WSR	SAW CUT EXIST. TRENCH AND REM.(2" MIN)	S.F.	416	\$2.20	\$915.20
2-WSR	REPLACEMENT OF BASE (8") & 6" ASPHALT	S.F.	554	\$4.90	\$2,714.60
5WS1-A	NIGHT DIFF. FOR MILLING	P.N.	9	\$500.00	\$4,500.00
6WS1-A	NIGHT DIFF. FOR RESURFACING	P.N.	9	\$500.00	\$4,500.00
101-1-B	MOBILIZATION	W.O.	18	\$700.00	\$12,600.00
102-74-2	BARRICADES(Temporary , Type III,6')	EA/DAY	5,174	\$0.70	\$3,621.80
102-76	FLASHING ARROW BOARD	EA/DAY	203	\$22.00	\$4,466.00
102-8A	RE-GRADE EXISTING SWALE	S.Y.	37	\$5.50	\$203.50
102-99	VARIABLE MESSAGE SIGN (Temporary)	EA/DAY	499	\$30.00	\$14,970.00
102-60-A	WORK ZONE SIGNS	EACH	1,478	\$1.25	\$1,847.50
110-4	REMOVAL OF EXISTING PAVEMENT	S.Y.	129	\$3.25	\$419.25
110-4-1-1	REMOVAL AND DISPOSAL OF EXISTING CURB & GUTTER	L.F.	3,881	\$4.30	\$16,688.30
110-4-2A	REMOVAL OF EXISTING CONCRETE(up to 8" thick, incl. base prep.)	S.Y.	2,957	\$6.50	\$19,220.50
120-1	REGULAR EXCAVATION	C.Y.	18	\$2.20	\$39.60
120-2-3	EMBANKMENT FOR ROAD BUILD-UP	C.Y.	28	\$6.50	\$182.00
120-2-4	EMBANKMENT MATERIAL FOR SHOULDER	C.Y.	28	\$7.00	\$196.00
160-4	TYPE "B" STABILIZATION	S.Y.	28	\$11.00	\$308.00
200-2	BASE PREPARATION FOR NEW SIDEWALK	S.Y.	203	\$5.50	\$1,116.50
200-1-2	LIMEROCK BASE (8" Double Course)(Primed)	S.Y.	37	\$16.50	\$610.50
327-70	MILLING EXISTING PAVEMENT(1")	S.Y.	272,811	\$1.75	\$477,419.25
334-2-13-1	HOT MIX ASPHALT TRAFFIC C, SP-9.5	TON	7,485	\$105.00	\$785,925.00
337-8-42	HOT MIX ASPHALT FRICTION COURSE TRAFFIC C, FC-9.5, PG 76-22	TON	11,271	\$115.00	\$1,296,165.00
425-4(2)	ADJUSTING INLETS	EA	18	\$180.00	\$3,240.00
425-5	ADJUST MANHOLE	EA	74	\$330.00	\$24,420.00
425-6	ADJUST VALVES BOXES	EA	129	\$200.00	\$25,800.00
425-721E	REMOVAL AND DISPOSAL OF EXIST.FRAMES MH	EA	15	\$380.00	\$5,700.00
425-721F	REMOVAL AND DISPOSAL OF EXIST.FRAMES W.V.	EA	31	\$350.00	\$10,850.00
425-944B	RECONSTRUCT MANHOLE	EA	15	\$330.00	\$4,950.00
520-2A	CONCRETE CURB AND/OR GUTTER(any type,inc.base prep.)	L.F.	3,918	\$16.00	\$62,688.00
522-1(1)	CONCRETE SIDEWALK(4"Thick,3,000 P.S.I. includes cost of pedestrian ramps and Sidewalk curbs)	S.Y.	2,957	\$24.00	\$70,968.00
522-2	CONCRETE SIDEWALK(6"Thick,3,000 P.S.I. includes cost of pedestrian ramps and Sidewalk curbs)	S.Y.	203	\$35.00	\$7,105.00
527-2	DETECTABLE WARNING ON WALKING SURFACE	S.F.	1,608	\$27.00	\$43,416.00
575-1-1	SODDING(PENSACOLA BAHIA OR MATCH EX.)	S.Y.	370	\$4.00	\$1,480.00
635-11-11	PULL BOX, METER TYPE (Polymer)	AS	55	\$486.00	\$26,730.00
700-40-01	ROADSIDE SIGN (SINGLE POST)(LESS THAN 12 S.F.)	AS	37	\$270.00	\$9,990.00
700-46-22	RESET EXISTING POST AND SIGN	EA	31	\$55.00	\$1,705.00
705-71-361	36" TUBULAR DELINEATOR	EA	37	\$52.00	\$1,924.00
706-1-12	REFLECTIVE PAVEMENT MARKERS(MONO-DIR)	EA	6,523	\$4.50	\$29,353.50
710-11-121	PAINTED PAVEMENT MARKINGS(STANDARD, WHITE, SOLID 6")	L.F.	87,078	\$0.20	\$17,415.60
710-11-122	PAINTED PAVEMENT MARKINGS(STANDARD, WHITE, SOLID 8")	L.F.	942	\$0.30	\$282.60
710-11-123	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 12")	L.F.	13,250	\$0.40	\$5,300.00
710-11-124	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 18")	L.F.	462	\$0.60	\$277.20
710-11-125	PAINTED PAVEMENT MARKINGS(STANDARD,WHITE,SOLID 24")	L.F.	7,392	\$0.80	\$5,913.60
710-11-141	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(SKIP)(6")	L.F.	31,601	\$0.30	\$9,480.30
710-11-160	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(MESSAGE)	EA	37	\$45.00	\$1,665.00
710-11-170	PAINTED PAVEMENT MARKINGS(STANDARD)(WHITE)(ARROWS)	EA	240	\$28.00	\$6,720.00
710-11-241	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SKIP)(6")	L.F.	54,775	\$0.30	\$16,432.50
710-11-221	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SOLID)(6")	L.F.	37,792	\$0.30	\$11,337.60
710-11-224	PAINTED PAVEMENT MARKINGS(STANDARD)(YELLOW)(SOLID)(18")	L.F.	3,142	\$0.60	\$1,885.20
710-26-41A	SOLID TRAFFIC STRIPE, PAINT - (4" WHITE, OR YELLOW)	L.F.	6,893	\$0.20	\$1,378.60
711-2	SKIP TRAFFIC STRIPE(6" STRIPE, 10' SPACE) (WHITE THERMO) (6"WIDE)	L.F.	55	\$1.10	\$60.50
711-5	GUIDELINES (6" DOTTED)(2' WHITE) (THERMOPLASTIC)	L.F.	166	\$1.10	\$182.60
711-11-121	THERMOPLASTIC(WHITE)(SOLID) (6")	L.F.	75,546	\$0.70	\$52,882.20
711-11-122	THERMOPLASTIC(WHITE)(SOLID) (8")	L.F.	850	\$0.90	\$765.00
711-11-123	THERMOPLASTIC(WHITE)(SOLID) (12")	L.F.	13,287	\$1.30	\$17,273.10
711-11-124	THERMOPLASTIC(WHITE)(SOLID) (18")	L.F.	1,053	\$1.95	\$2,053.35
711-11-125	THERMOPLASTIC(WHITE)(SOLID) (24")	L.F.	5,858	\$2.60	\$15,230.80
711-11-141	THERMOPLASTIC(WHITE)(SKIP) (6")	L.F.	16,188	\$1.00	\$16,188.00
711-11-160	THERMOPLASTIC(WHITE)(MESSAGE)	EA	37	\$115.00	\$4,255.00
711-11-170	THERMOPLASTIC(WHITE)(ARROWS)	EA	203	\$59.50	\$12,078.50
711-11-221	THERMOPLASTIC(YELLOW)(SOLID) (6")	L.F.	64,588	\$0.70	\$45,211.60
711-11-224	THERMOPLASTIC(YELLOW)(SOLID) (18")	L.F.	1,386	\$1.95	\$2,702.70
711-11-241	THERMOPLASTIC(YELLOW)(SKIP) (6")	L.F.	4,398	\$1.00	\$4,398.00
711-14-160	THERMOPLASTIC, PREFORMED,WHITE,MESSAGE	L.F.	74	\$270.00	\$19,980.00
711-2A	SKIP TRAFFIC STRIPE (4" WHT/YELL 6X10)	L.F.	37	\$0.90	\$33.30
711-33-34	SKIP TRAFFIC STRIPE (4" WHT/YELL 10x30)	L.F.	573	\$0.90	\$515.70
711-35-41	SOLID TRAFFIC STRIPE (4"WHITE)(THERMOPLASTIC)	L.F.	4,823	\$0.60	\$2,893.80
711-36-41	SOLID TRAFFIC STRIPE (4"YELLOW)(THERMOPLASTIC)	L.F.	111	\$0.60	\$66.60
711-72	REMOVAL OF EXISTING PAVEMENT MARKINGS(THERMO & PAINT)	S.F.	277	\$2.70	\$747.90
	TOTAL BASE AMOUNT				\$3,254,554.85
999	CONTINGENCY ALLOWANCE (10%)				\$325,455.49
	SUB-TOTAL				\$3,580,010.34
	DEDICATED ALLOWANCES				
102-10A	OFF-DUTY LAW ENFORCEMENT OFFICER	LS	1.00	\$90,000.00	\$90,000.00
300-1-999	BITUMINUOS ADJUSTMENT	LS	1.00	\$65,000.00	\$65,000.00
990	PERMIT ALLOWANCE	LS	1.00	\$6,000.00	\$6,000.00
102-1P	MAINTENANCE OF TRAFFIC (2% OF BASE AMOUNT)	LS	1.00	\$65,091.10	\$65,091.10
	TOTAL DEDICATED ALLOWANCES				\$226,091.10
	CONSTRUCTION COST ESTIMATE				\$3,806,101.43
	PROJECT ADMINISTRATION COST (20%)				\$761,220.29
	TOTAL CONSTRUCTION COST				\$4,567,321.72

CONCRETE
\$220,085.80
7%

	%
7485	40%
11271	60%
18756	100%

18756

PAVEMENT MARKINGS
\$306,884.35
9%

7125.00%
7.13%
78.38%

4.95%
16.67%
100.00%

Note: 10 Work Orders (MOT Permit \$320.00 each) + Contract Permit \$500.00+\$2,300.00=\$6,000.00