

Date: October 8, 2014

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

From: Alejandro Martinez-Esteve, RA, LEED AP
Manager, Capital Improvements Section
Public Works & Waste Management
Department

Subject: Notice of Construction Project:
Miscellaneous Construction Contracts: MCC
7360 Plan - CICC 7360-0/08 - Request for
Price Quotation (RPQ) No. 20140164
Push Button Contract for 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 Community Small Business Enterprise (CSBE) measure. A Community Workforce Program (CWP) has been recommended since project sites have not been identified.

Scope of Work:	Single Trade (Resurfacing)
Engineer Project Base Cost Estimate:	\$1,546,000
Measure/Set Aside:	Pavement and Signage Markings and Concrete
CWP:	10% County-wide

BACKGROUND

Asphalt Surfaces have a typical service life of 8 to 12 years, depending on the traffic and weather conditions and new installations are necessary when the roadway's surface has reached the end of its service life or if restoration methods cannot effectively repair the roadway. It 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. This project is to rehabilitate existing road surfaces that have been deemed to be in unsatisfactory conditions.

If any additional information is needed, please call me at (305) 375-2093, or Alicia Arce at (305) 375-1363.

Attachments (2)
AM/am

cc: Laurie Johnson, ISD
Coralee Taylor, ISD
Vivian Forhat-Diaz, ISD

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

Project File

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

From: Alejandro Martinez-Esteve, RA, LEED AP
Manager, Capital Improvements Section
Public Works & Waste Management Department

Date: Tuesday, October 7, 2014

CONTRACT INFORMATION

Contract Type: MCC 7360: Single Trade with Ancillary work

Request for Price Quotation (RPQ) No: 201400164

RPQ Title: Push Button Contract for Roadway Resurfacing

Re-submittal: No

Standard Industrial Code (SIC) / North American Industry Classification Code (NAICS): 1610 / 237310 - Construction – Heavy, Street & Bridge Construction

Estimated Base Project Cost: \$1,546,000

Funding Source: Road Impact Fees

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 (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;

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RPQ Title: Push Button Contract for Roadway Resurfacing

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.

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.

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.

RECOMMENDATION

PWD Areas for possible measures: Pavement Markings and Concrete

PWD Areas recommended for CSBE Subcontractor Goal: Pavement Markings and Concrete

Contract Measure Recommendation:

- No Measure
- Set-Aside:
 - Level I
 - Level II
 - Level III
- Trade Set-Aside(s): Pavement Markings and Concrete
- Aggregate Set-Aside
- CSBE Subcontractor Goal
- Community Workforce Program (CWP): Some Work Order locations may be within Designated Targeted Areas (DTA)
- DBE Subcontractor Goal

Reason for Recommendation:

Recommendations are based on the attached project cost estimate which is provided in accordance with the Miami-Dade County Code. There are no specific sites identified for this project. However, work orders for this project will be located within the boundary area of the north portion of Miami Dade County down to and including SW 8 Street. Work orders will identify the location, description, and amount of work to be accomplished and work orders will be issued subsequent to the Award of the Contract. All work orders will be subject to the requirements of the CWP.

CSBE Prime History of similar Contracts/Projects for previous three years: 20140055, 20140056, 20140088

Scope of Work History Summary – Subcontracting Opportunities: 20140088

Similar Projects previously submitted for RC Action: 20140088

CSBE Trade Set Aside Goal / Project No. / Amount achieved: 20140088

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.: 20140164

*Reference corresponding project number when submitting a work order

Contract/Project Title: Roadway Resurfacing Contract

Description/Scope of Work: See Attached

Estimated Cost: 1,546,000 **Funding Source:** Road Impact Fees

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	\$ 149,135	% 9.6	
Concrete	\$104,732	% 6.8	

RECOMMENDATION

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

Basis for Recommendation: Measure recommendation: **TRADE** Set-Aside: **Traffic Stripes and Markings: Painted and/or Thermoplastic and Concrete.**

Date submitted to DBD: 10-8-2014

Contact Person: Alicia Arce

Telephone No.: 305-375-1363

\$1.5M Resurfacing Contract

ITEM #	DESCRIPTION	UNIT	Unit Price	Qty	Amount(\$)
2WSR	SAW CUT EXIST. TRENCH & REAL. EXIST. COLD PATCH	S.F.	\$4.00	10818	\$42,472.00
2WSR	REPLACEMENT OF BASE & COLD PATCH (8" & 6" ASPHALT)	S.F.	\$6.00	858	\$5,148.00
5WS1-A	NIGHT DIFFERENTIAL FOR MILLING	F.H.	\$750.00	10	\$7,500.00
6WS1-A	NIGHT DIFFERENTIAL FOR RESURFACING	F.H.	\$750.00	10	\$7,500.00
101-327A	MOBILIZATION FOR MILLING	PER/SEC	\$700.00	15	\$10,500.00
102-74-2	BARRICADES (Temporary, Type III, 6")	EA/DAY	\$0.65	22	\$14.30
102-76	FLASHING ARROW BOARD (Temporary)	EA/DAY	\$20.00	26	\$520.00
102-8A	REGRADE EXISTING SWALE (without seed)	S.Y.	\$5.00	118	\$590.00
102-80A	WORK ZONE SIGNS	EA/DAY	\$1.00	328	\$328.00
110-4-1-1	REMOVAL AND DISPOSAL OF EXISTING CURB & GUTTER	L.F.	\$19.00	1593	\$15,930.00
110-4-2A	REMOVAL OF EXISTING CONCRETE SIDEWALK (up to 6" thick, including base preparation)	S.Y.	\$15.00	885	\$13,275.00
110-4	REMOVAL EXISTING PAVEMENT	S.Y.	\$3.00	24	\$72.00
120-1	REGULAR EXCAVATION	C.Y.	\$6.00	1200	\$7,200.00
120-2-3	EMBANKMENT FOR ROAD BUILD-UP	C.Y.	\$6.00	1000	\$6,000.00
120-2-4	EMBANKMENT MATERIAL FOR SHOULDER	C.Y.	\$5.50	200	\$1,100.00
160-4	TYPE "B" STABILIZATION (12" Thick)	S.Y.	\$10.00	1600	\$16,000.00
200-2	BASE PREPARATION FOR NEW SIDEWALK CONSTRUCTION (Where needed at the discretion of the Engineer)	S.Y.	\$15.00	354	\$5,310.00
210-1-2	LIMEROCK BASE (8" double course primes)	S.Y.	\$15.00	1600	\$24,000.00
327-70	MILLING EXISTING PAVEMENT (1")	S.Y.	\$2.50	114571	\$278,827.50
334-2-13-1	HOT MIX ASPHALT, TRAFFIC C, SP-8.5	TON	\$15.00	2283	\$34,245.00
337-4-2	37 MIX ASPHALT FRICTION COURSE, TRAFFIC C, PG-6.6, PG-76	TON	\$105.00	6327	\$669,335.00
425-4(2)	ADJUSTING INLETS	EA	\$150.00	6	\$900.00
425-6	ADJUST MANHOLE	EA	\$300.00	44	\$13,200.00
425-8	ADJUST EXISTING VALVES BOXES	EA	\$176.00	71	\$12,496.00
425-721E	Remove, dispose & pick up new frames of MDWS & install MH	EA	\$350.00	3	\$1,050.00
425-721F	Remove, disposal & pick up new all MDWS & install Water Valves	EA	\$228.00	3	\$675.00
425-84(3)	RECONSTRUCT MANHOLE	EA	\$800.00	3	\$2,400.00
520-2A	CONCRETE CURB AND GUTTER (Any type, including base preparation)	L.F.	\$18.00	2916	\$52,488.00
622-1(1)	CONCRETE SIDEWALK (4" Thick, 3,000 PSI Concrete at 28 days) (includes the cost of pedestrian ramps and sidewalk curbs)	S.Y.	\$28.00	1534	\$42,952.00
622-2	CONCRETE SIDEWALK (6" Thick, 3,000 PSI Concrete at 28 days) (includes the cost of pedestrian ramps and sidewalk curbs)	S.Y.	\$35.00	266	\$9,310.00
627-2	DETECTABLE WARNINGS ON WALKING SURFACE	S.F.	\$30.00	1357	\$40,710.00
670-1-1	SOODING (PEVAACOLA BATHA OR MATCH EX)	S.Y.	\$3.60	24	\$86.40
700-40-01	ROADSIDE SIGNS (single post) (less than 12 6.F)	AS	\$250.00	4	\$1,000.00
700-46-22	RESET EXISTING POST AND SIGN	EA	\$50.00	6	\$300.00
705-74-381	30" TUBULAR DELINEATOR	EA	\$45.00	24	\$1,080.00
706-4-12	REFLECTIVE PAVEMENT MARKERS (monobit-diretz, all colors)	EA	\$4.00	2899	\$11,596.00
710-11-121	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 5"	L.F.	\$0.18	60833	\$10,950.94
710-11-122	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	L.F.	\$0.24	559	\$134.16
710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"	L.F.	\$0.36	7249	\$2,609.49
710-11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18"	L.F.	\$0.54	1021	\$551.34
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	L.F.	\$0.72	2476	\$1,782.72
710-11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 6", 10-30 or 3-6 SKIP	L.F.	\$0.20	4607	\$921.40
710-11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	L.F.	\$0.20	3708	\$741.60
710-11-150	PAINTED PAVEMENT MARKINGS, STANDARD MESSAGE	EA	\$40.00	30	\$1,200.00
710-11-170	PAINTED PAVEMENT MARKINGS, STANDARD, ARROWS	EA	\$25.00	61	\$1,525.00
710-11-221	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	L.F.	\$0.18	28781	\$5,180.58
710-11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	L.F.	\$0.54	3713	\$2,006.02
710-28-41A	SOLID TRAFFIC STRIPE PAINT (4" WHITE OR YELLOW)	L.F.	\$0.15	8979	\$1,346.85
711-11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	L.F.	\$0.80	60933	\$48,746.40
711-11-122	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	L.F.	\$0.60	559	\$335.40
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	L.F.	\$1.20	7249	\$8,698.80
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	L.F.	\$1.80	1021	\$1,837.80
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	L.F.	\$2.40	2476	\$5,942.40
711-11-141	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6", 10-30 or 3-6 LANE DROP	L.F.	\$0.80	4612	\$3,689.60
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE	EA	\$105.00	30	\$3,150.00
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROWS	EA	\$35.00	62	\$2,170.00
711-11-223	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	L.F.	\$0.60	28781	\$17,268.60
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	L.F.	\$1.80	3713	\$6,683.40
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, SKIP, 6", 10-30 or 3-6 LANE DROP	L.F.	\$0.80	3708	\$2,966.40
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	\$250.00	36	\$9,000.00
711-2A	500 TRAFFIC STRIPE (4" WHITE/ELL 6" x 10") THERMO	L.F.	\$0.85	24	\$20.40
711-33-34	SKIP TRAFFIC STRIPE (2" WHITE/ELL 10" x 30") THERMO	L.F.	\$0.80	5397	\$4,317.60
711-35-41	SOLID TRAFFIC STRIPE (4" WHITE) THERMO	L.F.	\$0.60	2936	\$1,761.60
711-36-41	SOLID TRAFFIC STRIPE (4" YELLOW) THERMO	L.F.	\$0.60	623	\$373.80
711-5	GUIDELINES (6" x 4") W/OT THERMO	L.F.	\$1.00	112	\$112.00
711-72	REMOVE EXISTING PAVEMENT MARKINGS	S.F.	\$2.50	347	\$867.50
					\$1,545,998.50
999-02	CONTINGENCY ALLOWANCE (10% BASE ESTIMATE)	L.S	\$154,599.85	1	\$154,599.85
102-10A	OFF-DUTY LAW ENFORCEMENT OFFICER	L.S	\$25,000.00	1	\$25,000.00
102-1P	MAINTENANCE OF TRAFFIC	L.S	\$30,919.99	1	\$30,919.99
300-1-001	BITUMINOUS MATERIAL ADJUSTMENT	L.S	\$20,000.00	1	\$20,000.00
050	ALLOWANCE PERMITS	L.S	\$1,000.00	1	\$1,000.00
					\$1,777,519.44