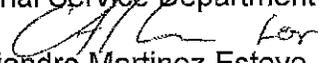


**Date:** February 11, 2015

**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. 20150018  
Crandon Blvd Milling & Resurfacing

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### **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-Construction) measure. A Community Workforce Program (CWP) is not recommended since project is not in a DTA.

Scope of Work:	Single Trade (Resurfacing)
Engineer Project Base Cost Estimate:	\$1,820,517
Measure/Set Aside:	Pavement Markings and Signage
CWP:	N/A

### **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 was initiated with the need to improve the bicycle facilities along Crandon Blvd.

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

MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT  
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION

**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: Monday February 9, 2015**

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**CONTRACT INFORMATION**

**Contract Type:** MCC 7360: Single Trade with Ancillary work

**RPQ No.:** 20150018

**RPQ Title:** Crandon Blvd milling and resurfacing.

**Request for Price Quotation (RPQ) No:** 20150018

**Re-submittal:** No

**Standard Industrial Code (SIC) / North American Industry Classification Code (NAICS):** 1610 / 237310 - Construction – Highway

**Estimated Base Project Cost:** \$1,820,517.00

**Funding Source:** Causeways

**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: The improvements to Crandon Blvd consisting of milling and resurfacing, signing and pavement markings to include green pavement and vibratory lines. This

**RPQ No.:** 20150018  
**RPQ Title:** Crandon Blvd milling and resurfacing

project improves the surface condition of the road and enhances existing bicycle facilities along the Causeway.

#### **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**

**Areas for possible measures:** Pavement Markings

**Areas recommended for CSBE Subcontractor Goal:** Pavement Markings

**Contract Measure Recommendation:**

- No Measure
- Set-Aside:
  - Level I
  - Level II
  - Level III
- Trade Set-Aside(s): Pavement Markings
- 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. This is a site specific project located in Crandon Blvd and a Notice to Proceed (NTP) will be issued subsequent to the Award of the Contract.

**CSBE Prime History of similar Contracts/Projects for previous three years:** 20140088, 20140163

**Scope of Work History Summary – Subcontracting Opportunities:** 20140163

**Similar Projects previously submitted for RC Action:** 20140163

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

**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.:** 20150018

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** Crandon Blvd milling and resurfacing

**Description/Scope of Work:** See attached

**Estimated Cost:** \$1,820,517.00      **Funding Source:** Causeways

**Location of Project :** Crandon Blvd from Crandon Marina to Calusa Circle

**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	150
Foremen	2	150
Operator	1	150

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	\$ 349,514	% 19.20	

**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.**

**Date submitted to DBD:** 2-9-2015

**Contact Person:** Alicia Arce

**Telephone No.:** 305-375-1363

**Date:** February 9, 2015  
**To:** Martinez-Estevez, Alejandro, RA, LEED AP  
Contract & Specifications Section  
**From:** Yanek Fernandez, P.E., PTP, PTOE  
Traffic Engineering Division  
**Subject:** Crandon Blvd Milling and Resurfacing  
From Crandon Marina to Calusa Circle  
Project No. 20120139  
Index Code: PW300233CSWY

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Attached please find the Cost Estimate, Construction Initiation Form and a set of 100% roadway plans for the subject project. We request your courtesy review of the plans and comments on the proposed improvements and pay items.

**Background:** The subject project was initiated with the need to improve the bicycle facilities along Crandon Blvd.

**Scope of Work:** The improvements to Crandon Blvd will consist of milling and resurfacing and signing and pavement markings to include green pavement and vibratory lines. This project improves the surface condition of the road and enhances existing bicycle facilities along the Causeway.

For any further information you may require, please call Yanek Fernandez, Project Manager, at (305)375-1847.

**Attachments**

CC: Jeff Cohen, P. E.  
CC: Joan Shen, P. E.  
CC: Leandro Oña, P. E.

**Miami-Dade County Public Works and Waste Management Department  
Contracts and Specifications  
Contract Engineering Service Request Form**

(FORWARD COMPLETED FORM WITH SUBMITTAL PACKAGE TO MANAGER, CONTRACTS AND SPECIFICATIONS)

Project Manager Name (Originator): Yanek Fernandez Contact Phone: (305) 375 1847  
 Dept./Division: Trappo Engineering Date of Request: 2/3/15

Project Number:		Estimated Construction Cost:	<u>\$ 2,138,184.21</u>
Project Name:	<u>Crandon Blvd Milling &amp; Resurfacing.</u>		
Location (Address/Legal Description):	<u>Crandon Blvd from Crandon Marina to Calusa Circle.</u>		
Commissioner District No.:	<u>7</u>	Road Impact Fee District:	
Indicate Funding Source (check all that apply)	<input type="checkbox"/> Road Impact Fees <input type="checkbox"/> Local Op. Gas Tax <input type="checkbox"/> Federal <input type="checkbox"/> QNIP <input type="checkbox"/> GOB <input type="checkbox"/> PTP <input type="checkbox"/> Stormwater Utility <input type="checkbox"/> Cap Outlay Reserve <input type="checkbox"/> Sec Gas Tax <input checked="" type="checkbox"/> Other <u>CAUSEWAYS.</u>		
Capital Budget Project #:	<u>603900</u>	Capital Budget Book Page:	<u>62</u> Capital Budget Year: <u>14-15</u>
Index Code(s):	<u>PW300233 CW</u>	Transportation Improvement Plan (TIP) No.:	

Type of Contract Engineering Service Request (Check One Only)	
Preliminary Review Request (complete "A" on page 1) <input type="checkbox"/>	Construction Contract Solicitation Request (complete "B" on page 2) <input checked="" type="checkbox"/>

(A) Additional information for request of preliminary review of Plans for future contract solicitation

Date scheduled for constructability site inspection: already performed.  
*Date must be no less than two weeks from the date of this request. Coordinate site inspection with the Construction Division, the Contracts and Specification, Traffic Signals and Signs, and any other required attendee*

Anticipated Date for completion of FINAL Engineering Drawings: \_\_\_\_\_

Any anticipated Utility conflicts?     Yes     No    All necessary Right-of-Way acquired? NA     Yes     No

List all Permits required: \_\_\_\_\_

Provide all of the following along with this request:

- Transmittal Memorandum (detailed scope of work, why the project is needed, and estimated costs.)
- Engineering Drawings (Indicate percent completion \_\_\_\_\_ %)
- Engineer's Estimate of Probable Cost
- Schedule of Critical Path Items and Estimated Construction Duration
- Draft Technical Specifications (if any)
- Copy of Funding Source Agreement (if any)
- Copy of MOA/MOU (if any)

**CRANDON BLVD MILLING AND RESURFACING FROM MARINA ENTRANCE TO CALUSA CIRCLE**

ITEM NO.	ITEM	UNIT	QUANT.	CURRENT SET PRICE	additional price	AMOUNT
<b>CONSTRUCTION</b>						
102-60A	Work Zone Signs	EA/DAY	304	0.26	0.41	124.64
102-74-1	Barriades ( TEMPORARY- TYPE I, II, VP & DRUM ).	EA/DAY	2400		0.29	696.00
102-75-PH2	Construction Signs	EA/DAY	105		0.41	43.05
102-76	Flashing Arrow Board	EA/DAY	224		9.6	2,150.40
102-77	High Intensity Flashing Lights	EA/DAY	304		0.53	161.12
102-99	Variable Message Signs (Temporary)	EA/DAY	240	0.26	20.24	4,857.60
104-18	Inlet protection system	EA	7	67.83	67.83	474.81
<b>CLEARING AND GRUBBING</b>						
110-1-1B	CLEARING AND GRUBBING (INCLUDES REMOVAL OF EXISTING SIDEWALK, FLEXIBLE PAVEMENT, CURB AND GUTTER, DRAINAGE STRUCTURES, VEGETATION, TREES AND ANY DEBRIS TO BE DISPOSED OF IN LEGAL AREAS PROVIDED BY THE CONTRACTOR	LS	1		0.00	15,000.00
<b>EARTHWORK</b>						
120-8	RE-GRADE EXISTING SWALE (Where shown specifically on plans, or as directed by Engineer, contingent items may be increase or decrease by Engineer.)	SY	160	5.50	5.50	880.00
<b>BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT</b>						
1WSR	PATCH (FOR EXIST. RUTTING ON ROADWAY) (ITEM TO BE INCREASE, DECREASE AS NEEDED)	SF	500			
				4.00	5.33	2,666.67
2WSR	PATCH (FOR EXIST. RUTTING ON ROADWAY) (ITEM TO BE INCREASE, DECREASE AS NEEDED)	SF	500			
				4.00	5.33	2,666.67
327-70-6A	MILLING, 1" 5 AVERAGE DEPTH	SY	85095			
				2.00	3.50	297,832.50
334-2-13-1	Hot Mix Asphalt, Traffic C, SP-9.5	TON	4680	100.00	105.00	491,400.00
337-8-42	Hot Mix Asphalt Friction Course, Traffic C, FC-9.5	TON	5148	100.00	125.00	643,500.00
339-1	MISCELLANEOUS ASPHALT	TON	30		166.00	4,980.00
<b>SIGNING AND PAVEMENT MARKINGS</b>						
523-1-3	PATTERNED PAVEMENT	SY	2741.2		57.07	156,440.28
701-16-116	Audible and Vibratory Pavement Marking	LF	20000	1.95	1.95	39,000.00
700-40-01	Roadside Signs (Single post, and panels up to 12 sf)	AS	103		250	25,750.00
700-48-60A	Remove Existing Signs and Posts	AS	4	30	70	280.00
706-1-12	Reflective Pavement Markers ( Class B, mono or bi-directional, all colors)	EA	1735	4	4	6,940.00
710-11-121	Painted Pavement Markings (6" Solid White)	LF	41672		0.28	11,668.16
710-11-122	Painted Pavement Markings (8" Solid White)	LF	4385		0.5	2,192.50
710-11-123	Painted Pavement Markings (12" Solid White)	LF	850		0.7	595.00
710-11-124	Painted Pavement Markings (18" Solid White)	LF	2850		1.2	3,420.00
710-11-125	Painted Pavement Markings (24" Solid White)	LF	1393		1.2	1,671.60
710-11-160	Painted Pavement Markings (Messages)	EA	60		38	2,280.00
710-11-170	Painted Pavement Markings (Arrows)	EA	112		25	2,800.00
710-11-221	Painted Pavement Markings (6" Solid Yellow)	LF	20836		0.26	5,417.36
710-11-222	Painted Pavement Markings (18" Solid Yellow)	LF	390		0.1	39.00
710-11-241	Painted Pavement Markings (6" Skip )	LF	34790		0.3	10,437.00
711-11-160	Pavement Messages, Thermoplastic	EA	63		105	6,615.00
711-11-170	Directional Arrows (Thermoplastic)	EA	115		60	6,900.00
711-11-121	Thermoplastic ( White) (Solid) (6")	LF	29070	0.6	0.6	17,442.00
711-11-122	Thermoplastic ( White) (Solid) (8")	LF	4385	1	1	4,385.00
711-11-123	Thermoplastic ( White) (Solid) (12")	LF	850	1.2	1.2	1,020.00
711-11-124	Thermoplastic ( White) (Solid) (18")	LF	2850	1.8	1.8	5,130.00
711-11-125	Thermoplastic ( White) (Solid) (24")	LF	1393	2.4	2.4	3,343.20
711-11-221	Thermoplastic ( Yellow) (Solid) (6")	LF	22460	0.6	0.6	13,476.00
711-11-224	Thermoplastic ( Yellow) (Solid) (18")	LF	390	1.8	1.8	702.00
711-2	Skip Traffic Stripe(6' Stripe, 10' Space) ( White Thermoplastic 6" Wide)	LF	817		1	817.00
711-33	Skip Traffic Stripe(2' Stripe, 4' Space) ( White Thermoplastic 6" Wide)	LF	2155		1	2,155.00
711-33a	Skip Traffic Stripe(10' Stripe, 30'Space)White Thermoplastic 6" Wide)	LF	21400		1	21,400.00
<b>SODDING AND TREE RELOCATION</b>						
575-1-1	SODDING (PENSACOLA BAHIA OR MATCH EXISTING) (INCLUDES WATERING)	SY	212	3.62		767.44
<b>BASE ESTIMATE</b>						1,820,517.00
<b>CONTINGENCY</b>						
999 OR 2-999	CONTINGENCY FUND (10% OF BASE ESTIMATE AMOUNT)	LS	1			182,051.70
<b>SUB-TOTAL</b>						2,002,568.70
<b>DEDICATED ALLOWANCES</b>						
102-1	MAINTENANCE OF TRAFFIC (INCLUDING TEMPORARY REFLECTIVE PAVEMENT MARKERS, MARKINGS, TRAFFIC CONES, TEMPORARY SIGNS, FLAG MEN, ETC.) (ASSUME 3% OF BASE ESTIMATE)	LS	1			54,615.51
102-10A	OFF-DUTY LAW ENFORCEMENT OFFICER	LS	1			60,000.00
	PERMITS	LS	1			1,000.00
300-1-999	BITUMINOUS MATERIAL ADJUSTMENT (SET DURING BIDDING)	LS	1			20,000.00
<b>GRAND-TOTAL</b>						2,138,184.21
<b>MILL 1.5" AND PLACE 1" STRUCTURAL ASPHALT AT 100LB/SY AND 1" FRICTION AT 110LB/SY WITH GREEN PAVEMENT</b>						