

**Date:** April 16 , 2013  
**To:** Jack Osterholt, Interim Director  
Sustainability, Planning and  
Economic Enhancement Department  
Small Business Development Division

**From:** Alicia Arce  
Engineer II  
Public Works and Waste Management  
Department



**Subject:** Notice of Construction Project:  
Miscellaneous Construction Contracts (MCC)  
Program: MCC 7360 Plan - CICC 7360-0/08  
Request for Price Quotation (RPQ) No. 20130036  
Virginia Key North Shared-Use Path  
(REVISED)

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**RECOMMENDATION**

Contracts and Specifications staff completed its review of the scope of work for the subject RPQ. Based on the analysis of factors contained in Section VI D of Implementing Order 3-22, Public Works and Waste Management (PWWM) suggests the following contract measure recommendation: Trade Set-Aside: Traffic Stripes and Markings: Painted and/or Thermoplastic. The cost estimate is \$239,443.71. PWWM attached its Project Measure Analysis and Recommendation findings along with other supporting documents for consideration. PWWM staff met with the Small Business Development Division's (SBD) Construction Manager in an effort to seek out additional opportunities for CSBEs. The Community Workforce Program (CWP) is not applicable to this project. PWWM received a response from the Geocode System which determined that the work location is not in a Designated Target Area (DTA).

**BACKGROUND**

The subject Project was initiated with the need to provide a safer connection from the existing south shared use path along Virginia Key to the existing bike trails on the north limits of the island.

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This Project includes of the improvements to Virginia Key and will consist of installation of shared used path along the north swale of the Rickenbacker Causeway. Incidental work includes minor milling and resurfacing and signing and paving markings.

If any additional information is needed, please call me at (305) 375-1363, or Frank Aira at (305) 375-2930.

RM/rm

Attachments (2)

C: Kelly Duncombe, SPEE  
Bassam Moubayed, PWWM  
Frank Aira, P.E., CFM, PWWM  
Dianah Coakley, PWWM  
Lisset Cabrera, PWWM  
Project File

**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.: 20130036**

\*Reference corresponding project number when submitting a work order

**Contract/Project Title: Virginia Key North Shared-Use Path**

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

**Estimated Cost: 239,443.71      Funding Source: General funds(Causeways)**

**Location of Project (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St. Rickenbacker from Mast Academy to Virginia Beach Rd.**

**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		
Foremen		
Operator		

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
<b>Paving Markings</b>	\$15,678	7%	
	\$	%	
	\$	%	

**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. CSBE availability and Geocode revealed construction work to be performed is not within a Designated Target Area (DTA)**

**Date submitted to DBD: 04-16-2013**

**Contact Person: Alicia Arce or Frank Aira**

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

**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

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Contract/Project Title: **Virginia Key North Shared-Use Path**

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

Estimated Cost: **239,443.71** Funding Source: **General funds(Causeways)**

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> 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		

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 not within a Designated Target Area (DTA)

Date submitted to DBD: **04-16-2013**  
 Contact Person: **Alicia Arce or Frank Aira**  
 Telephone No.: **305-375-1363**

**Miami-Dade County Public Works Department Input  
Contract/Project Measure Analysis and Recommendation**

To: Jack Osterholt, Interim Director  
Sustainability, Planning and  
Economic Enhancement Department  
Small Business Development Division

From: Alicia Arce  
Engineer II  
Public Works and Waste  
Management Department

Date: Tuesday, April 16, 2013

Department: Public Works

Contract Type: Roadway Improvements

Single Trade-Roadway Improvements

Request for Price Quotation (RPQ) No.:

20130036

Re-submittal:  Yes; Previous Review Committee (RC) Submittal Dates

No

Project Title:

Virginia Key North Shared-Use Path

Standard Industrial Code (SIC):

16-Highway and Street Construction

Estimated Project Cost:

\$239,443.71

Funding Source:

Causeways

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

Method of Award: Line Item

RPQ No.: 20130036

RPQ Title: Virginia Key North Shared-Use Path

**Detailed Scope of Work:**

Work under this Project consists of furnishing all supervision, labor, materials, equipment, tools and performing all operations necessary for the improvements to Virginia Key consisting of the installation of a shared used path along the north swale of the Rickenbacker Causeway. Incidental work includes minor milling and resurfacing, signing and paving markings.

**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.

RPQ No.: 20130036

RPQ Title: Virginia Key North Shared-Use Path

**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

**PWD Areas recommended for CSBE Subcontractor Goal:**

Pavement Marking and Signage

**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
- 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

RPQ No.: 20130036

RPQ Title: Virginia Key North Shared-Use Path

**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:**

20120127

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

Trade Set-Aside / 2012027

**Address Entry Form**

House Num:

ST Dir:

ST Name:

ST Type:

Zip (opt):

  

**Area Entry Form**

ST Dir1	ST Name1	ST Type1
<input type="text" value="&lt;none&gt;"/>	<input type="text" value="Rickenbacker"/>	<input type="text" value="CSWY"/>
ST Dir2	ST Name2	ST Type2
<input type="text" value="&lt;none&gt;"/>	<input type="text" value="Virginia Beach"/>	<input type="text" value="RD"/>

Zip (opt):

Address List	Active
1 Rickenbacker CSWY AND Virginia Beach RD	<input checked="" type="radio"/>
2 Rickenbacker CSWY AND Virginia Beach	<input type="radio"/>
3 Rickenbacker CSWY AND Virginia Beach RD	<input type="radio"/>
4	<input type="radio"/>

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Internet Explorer - ...

Community Workforce Program

GIS INFORMATION

Target Urban Area

City:

State:

Name:

Focus Area

City:

State:

Name:

Empowerment Zone

City:

State:

Name:

Enterprise Zone

City:

State:

Name:

Local Intranet 100%

2012 0036 Rev 4/5/13

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS							
ITEM NO.	ITEM	UNIT	QUANT.	OVERALL	CURRENT		AMOUNT
				AVERAGE	SET PRICE		
<b>GENERAL CONSTRUCTION OPERATIONS</b>							
<b>EROSION CONTROL</b>							
104-10-3	Sediment Barrier	LF	2600	1.05	1.05	1.16	3,003.00
104-18	Inlet protection system	EA	4	61.31	61.31	67.44	269.76
<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 (ASSUME 10% OF BASE ESTIMATE)	LS	1			19839.54	19,839.54
<b>EARTHWORK</b>							
120-1	REGULAR EXCAVATION	CY	646	7.52	6.74	7.42	4,792.49
120-6	EMBANKMENT (INCLUDES BORROW) (THIS ITEM IS CONTINGENT UPON EXISTING FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR	CY	121	15.58	16.22	17.84	2,158.46
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		5.50	5.50	6.05	0.00
119-01	DRIVEWAY RESTORATION (SPECIALY PAVERS, TILE, STAMP CONCRETE, ETC., INCLUDES RESTORATION OF BASE AS NEEDED AND/OR CONC. HEADERS)	SY		47.67	47.67	52.43	0.00
160-4	TYPE "B" STABILIZATION (12" THICK) (MIN. C.B.R. 30)	SY	4499	3.08	3.08	3.36	15,121.45
210-1-1	LIMEROCK BASE (6" THICK, SINGLE COURSE)(DRIVEWAY RESTORATION)	SY	4499	11.89	11.89	13.08	58,842.42
210-1-2	LIMEROCK BASE ((8" THICK) (DOUBLE COURSE) (PRIMED)) / LIMEROCK BASE (8" THICK, PRIMED)	SY	11	11.73	11.73	12.90	141.93
<b>BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT</b>							
327-70-01	MILLING, 1" AVERAGE DEPTH	SY	2029	3.46	3.13	3.44	6,984.53
337-9-42	HOT MIX ASPHALT FC-9.5 TRAFFIC C (1" THICK) (1" for the road)	TON	114	110.00	110.00	121.00	13,784.00
334-2-13-1	HOT MIX ASPHALT SP-9.5 TRAFFIC C (1" THICK) (1" for the path and the road)	TON	248	110.00	110.00	121.00	30,008.00
<b>CONCRETE</b>							
425-6	ADJUST EXISTING VALVE BOXES (MIAMI-DADE COUNTY ONLY) (THIS ITEM IS CONTINGENT UPON FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)	EA	3	221.83	221.83	244.01	732.03
520-1-10	CONCRETE CURB AND GUTTER, TYPE "F" (6" CURB, 18" GUTTER) (INCLUDES COST OF LIMEROCK)	LF	10	17.55	16.03	17.64	176.38
520-70	CONC TRAFFIC SEPARATOR	SY			43.05	47.36	0.00
522-1	CONCRETE SIDEWALK (4" THICK RESTORATION AND NEW, CLASS 1 CONCRETE, 3000 P.S.I.) (INCLUDING PEDESTRIAN RAMPS)	SY					0.00
522-2	CONCRETE SIDEWALK (6" THICK RESTORATION AND NEW, CLASS 1 CONCRETE, 3000 P.S.I.) (INCLUDING PEDESTRIAN RAMPS)	SY	150			37.00	5,550.00
<b>SODDING AND TREE RELOCATION</b>							
575-1-1	SODDING (PENSACOLA BAHIA OR MATCH EXISTING) (INCLUDES WATERING)	SY	1387		3.62	3.99	5,529.14
580-327-1	TREE RELOCATION	EA		817.19	817.19	898.91	0.00
<b>SIGNALIZATION</b>							
630-1-12	CONDUIT OPEN TRENCH	LF			3.53	3.88	0.00
635-1-11	PULL BOX, METER TYPE (POLYMER)	AS	1		480.69	528.76	528.76
630-1-14	CONDUIT F&I (DIRECTIONAL BORE)	LF	250			15.00	3,750.00
660-2-101A	LOOP ASSEMBLY (5x 20)	AS	2	935.89	935.89	1,029.48	2,058.97
660-2-101B	LOOP ASSEMBLY (5x 6)	AS	1	935.89	935.89	1,029.48	1,029.48
660-4-4A	LOOP LEAD IN CABLE (NO. 14 A.W.G.)	LF	250		2.01	2.21	552.75
690-90	CONDUIT AND CABLING REMOVE	PI			879.00	969.90	0.00
<b>PAVEMENT MARKING AND SIGNAGE</b>							
700-40-1	ROADSIDE SIGN INCLUDING POST AND STRAPS (SEE PLAN SHEET FOR SIGN)	AS	18	246.85	246.85	271.54	4,887.72
700-72	RELOCATE EXISTING SIGNS	EA	1	115.33	115.33	126.87	126.87
706-1-12A	REFLECTIVE PAVEMENT MARKERS PERMANENT (BI-DIRECTIONAL) AMBER/AMBER	EA	41		4.61	5.07	208.02
711-11-3	PAVEMENT MESSAGES ((ONLY/MERGE/SCHOOL/RR) (THERMOPLASTIC))	EA	4	109.85	109.85	120.83	483.33
711-11-151	GUIDELINES (6" DOTTED) (2'-4" WHITE) (THERMOPLASTIC)	LF	226	1.29	1.29	1.42	320.14
711-72	REMOVAL OF EXISTING PAVEMENT MARKINGS (THERMOPLASTIC AND PAINT)	SF	286		2.94	3.23	923.88
711-11-4	DIRECTIONAL ARROWS (THERMOPLASTIC)	EA	5	57.36	57.36	63.09	315.47
711-11-121	SOLID TRAFFIC STRIPE (6" WHITE) (THERMOPLASTIC)	LF	3803	0.76	0.76	0.84	3,194.72
711-11-122	SOLID TRAFFIC STRIPE (8" WHITE) (THERMOPLASTIC)	LF	304	1.10	1.10	1.21	366.54
711-11-123	SOLID TRAFFIC STRIPE (12" WHITE) (THERMOPLASTIC)	LF	602	1.82	1.82	2.00	1,203.82
711-11-124	SOLID TRAFFIC STRIPE (18" WHITE) (THERMOPLASTIC)	LF	342	2.37	2.37	2.61	892.11
711-11-125	SOLID TRAFFIC STRIPE (24" WHITE) (THERMOPLASTIC)	LF	1671	3.56	3.56	3.92	6,542.41
711-11-221	SOLID TRAFFIC STRIPE (6" YELLOW) (THERMOPLASTIC)	LF	1099	0.80	0.80	0.87	951.34
711-11-224	SOLID TRAFFIC STRIPE (18" YELLOW) (THERMOPLASTIC)	LF	102	2.34	2.34	2.57	262.22
711-11-241	TRAFFIC STRIPE (6" YELLOW) (3'-9" SKIP) (THERMOPLASTIC)	LF	2004	2.34	1.29	1.42	2,843.68
<b>LIGHTING</b>							
715-4-400	LIGHT POLE COMPLETE (RELOCATE)	EA			5,500.00	6,050.00	0.00
BASE ESTIMATE							198,395.35
999 OR 999	Z- CONTINGENCY FUND (10% OF BASE ESTIMATE AMOUNT)	LS	1				19,839.54
SUB-TOTAL							218,234.89
<b>DEDICATED ALLOWANCES</b>							
102-1H	MAINTENANCE OF TRAFFIC (INCLUDING TEMPORARY REFLECTIVE PAVEMENT MARKERS, MARKINGS, TRAFFIC CONES, TEMPORARY SIGNS, FLAG MEN, ETC.) (ASSUME 2% OF BASE ESTIMATE)	LS	1				3,967.91
102-10A	OFF-DUTY LAW ENFORCEMENT OFFICER	LS	1		30,000.00		14,400.00
300-1-999	BITUMINOUS MATERIAL ADJUSTMENT (SET DURING BIDDING) (15,000/MI)	LS	1				2,840.91
556-1-5	JACK AND BORE 30" STEEL CASING	LS					
990	ALLOWANCE PERMITS	LS			500.00		
800-5	FPL CONNECTION ALLOWANCE	LS					
GRAND-TOTAL							239,443.71