

**Date:** August, 2, 2013

**To:** Jack Osterholt, Director  
Regulatory and Economic Resources  
Small Business Development Division

**From:**   
Alfredo E. Munoz, P.E.  
Contracts and Specification Section  
Construction Division  
Public Works and Waste Management Department

**Subject:** Notice of Construction Project:  
Miscellaneous Construction Contracts (MCC)  
Program: MCC 7360 Plan  
Request for Price Quotation (RPQ) No. 20120156  
Safe Route to Schools Locations, Phase 7  
FMs# 425855-1, 425857-1

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## **RECOMMENDATION**

Contracts & Specification Sections has evaluated the subject project and recommends 28% Disadvantaged Business Enterprise (DBE) participation. Base cost estimate is \$770, 253.00. We have checked the availability of DBE Subcontractors as per 49 CFR 26 and attached a worksheet with possible Measure Analysis and recommendation findings along with other supporting documents for your review. This project is being processed under the subject Miscellaneous Construction Contract and is federally funded, therefore; the Community Workforce Program (CWP) is not applicable to this RPQ.

## **BACKGROUND**

The Federal Safe Routes to School (SRTS) Program was established in August 2005 as part of SAFETEA-LU. Section 1404 of this legislation provided funding (for the first time) for State Departments of Transportation to create and administer SRTS programs.

The administration of section 1404 was originally assigned to FHWA's Office of Safety. At the beginning of FY 2013, FHWA's Office of Planning, Environment, and Realty assumed program oversight. The program is now administered through the Florida Department of Transportation (FDOT), District IV office.

Fewer than 15 percent of all school trips are made by walking or bicycling, one-quarter are made on a school bus, and over half of all children arrive at school in private automobiles. This decline in walking and bicycling has had an adverse effect on traffic congestion and air quality around schools, as well as pedestrian and bicycle safety. In addition, a growing body of evidence has shown that children who lead sedentary lifestyles are at risk for a variety of health problems such as obesity, diabetes, and cardiovascular disease.

Safety issues are a big concern for parents, who consistently cite traffic danger as a reason why their children are unable to bicycle or walk to school.

The purpose of the SRTS Program is to address these issues head on. At its heart, the SRTS Program empowers communities to make walking and bicycling to school a safe and routine activity. The Program makes funding available for a wide variety of programs and projects, from building safer street crossings to establishing programs that encourage children and their parents to walk and bicycle safely to school.

If any additional information is required, please call me at (305) 375-4891, or Frank Aira at (305) 375-2930.

AM/am

Attachments (2)

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

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

RPQ No.: 20120156  
RPQ Title: Safe Route to Schools Locations, Phase 7 FMs# 425855-1, 425857-1

To: Jack Osterholt, Division  
Regulatory and Economic Resources  
Small Business Development Division

From: Alfredo E. Munoz, P.E.  
Contracts and Specification Section  
Construction Division  
Public Works and Waste Management Department

Date: Friday, August 2, 2013

Department: Public Works and Waste Management

Contract Type:

MCC 7360 Plan: Single Trade-with ancillary work

Request for Price Quotation (RPQ) No.:

20120156

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

No

RPQ Title:

Safe Route to Schools Locations, Phase 7 FMs# 425855-1, 425857-1

Standard Industrial Code (SIC):

16-Highway Construction Contractors

Estimated Base Project Cost:

\$777,253.00

Funding Source:

Federal

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

Method of Award: Line Item

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**Detailed Scope of Work:**

Work under this contract includes, but is not limited to the following: Furnishing all supervision, labor, required materials, equipment, tools and performing all operations necessary to add/upgrade: pedestrian indication heads and push buttons at signalized intersections, school speed zone signs and flashing beacons, school crosswalk signs, pavement markings, sidewalks, and pedestrian ramps to enable and encourage students in grades k-8 to walk and/or bicycle to and from school; to make walking and bicycling to school safer and more appealing; and to facilitate the planning, development, and implementation of projects that will improve safety and reduce traffic, fuel consumption, and air pollution in the vicinity of schools.

**Required Contractor's Certification:**

Certificate of Competency Requirement:

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 from the County's Construction Trades Qualifying Board as an Electrical Contractor or a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in one or more engineering crafts to include concrete-work engineering contractor, 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; or

Certification, as an electrical contractor provided by the State of Florida Electrical Contractors' Licensing Board, pursuant to the provisions of Section 489.511 of the Florida Statutes (F.S.).

Pursuant to Section 255.20, 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 prequalified 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 Contract Documents include the Traffic Signal Work Class.

Experience Requirement:

The Bidder, through full time personnel employed by the Bidder, must demonstrate a minimum of five years of continual experience as the prime contractor in projects with scopes comparable to the Project Scope of Work. Demonstrate the experience requirement by:

Providing a detailed description of completed projects, similar to the Project Scope of Work, in which the Bidder is currently engaged or has completed within the past ten years. List and describe those projects performed for government clients, similar size private entities, and any work performed for the County. The description should identify for each project (1) the client, (2) description of work, (3) total dollar value of the contract, (4) contract duration, (5) customer contact person and phone number for reference, (6) statement or notation of whether Bidder is/was the prime contractor or subcontractor, and (7) the results of the project.

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Traffic Signalization

Additional Contractor Requirements for work with Traffic Control Devices

In addition to the license(s) required of Contractor, all personnel engaged in installing, modifying, repairing, removing or maintaining: roadway street lighting systems; traffic signalization; or any other electrical/electronic traffic control device in Miami-Dade County must:

Perform work under the direction of a Master Electrician that is present at the job site or able to respond within 2 hours of notification.

Perform all work under the direct supervision of a Journeyman Electrician. For Traffic Signalization or Control Devices the Journeyman Electrician must be certified as an International Municipal Signal Association (IMSA) certified Traffic Signal Technician (TST) Level II or Level III. All work related at or pertaining to the controller must be performed by an IMSA certified TST Level II (Field).

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.

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

RPQ No.: 20120156  
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**PWD Areas for possible measures:**

Pavement Markings or Concrete

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

Pavement Markings

**Contract Measure Recommendation:**

- No Measure
- CSBE Subcontractor Goal
- Overall CSBE Subcontractor Goal
- CSBE Set-Aside    Level I            Level II            Level III
- DBE Goal: 28%
- CWP: Not Applicable

**Reason for Recommendation:**

This is a single trade project. Historical previous projects demonstrated that the electrical contractors, most available, will bid as the primary contractor for this project and possible subcontract the pavement markings and/or the concrete work. Electrical contractors have shown on previous contracts that they are able to perform the rest of the work. Primary contractor must comply with the requirements of FHWA-1273 Section VII.1, which states that primary contractor must perform work amounting to not less than 30 percent of the original contract amount, excluding specialty items, with their own organization.

**Comments:**

This project is federally funded which prohibits use of local business enterprise programs. Therefore, PWWM's response is to provide equal opportunity to the public by soliciting for bids under the CICC 7360 Contract.

**DBE Prime History of similar Contracts/Projects for previous three years:**

20100698  
10100699  
20100700  
70000708

**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.:** 20120156

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** Safe Route to Schools Locations, Phase 7, FMs# 425855-1 and 425857-1

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

**Estimated Cost:** 770,256.00      **Funding Source:** Federal funds

**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.

**At seven (7) elementary Schools: 1. West Homestead, 2.Saunders, 3.Ludlam, 4.Pine Villa, 5.Caribbean, 6.South Pointe, 7.South Miami Heights**

**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
N/A		
N/A		
N/A		

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, estimated number of workers for each trade are utilized 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>Pavement Markings</b>	\$216,323.00	28.%	<b>26</b>
	\$	%	
	\$	%	

**RECOMMENDATION**

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

**Basis for Recommendation:Identifiable areas for DBE subcontracting; types of opportunities provided are appropriate for applying a subcontractor goal and effective competition appears to exist for setting a CSBE Subcontractor Goal within SIC 16. Project is federally funded. Therefore, the Community Workforce Program (CWP) is not applicable. The higher of Davis Bacon Wages and/or MDC Responsible wages applies to this project**

**Date submitted to DBD:**08-02-2013

**Contact Person:**Alfredo Munoz or Frank Aira

**Telephone No.:**305-375-4891

Engineer Estimate FM 425855-1, 425857-1			Summary of All Locations Estimate			PERCENTAGE OF WORK	
ITEM NO.	DESCRIPTION	UNIT	Qty	Unit Price	Cost	WORK CLASS	PERCENTAGE
110-1-1B	CLEARING AND GRUBBING	L.S.	7	500.00	3500.00	CLEARING AND GRUBBING	6.03%
102-74-1	BARRICADES ( TEMPORARY- TYPE I, II, VP & DRUM ).	EA/DAY	1,950	0.26	507.00	\$ 46,482.00	
102-74-2	BARRICADES ( Temporary, Type III, 6')	EA/DAY	21	5.00	105.00	MOT	0.36%
102-76	FLASHING ARROW BOARD (Temporary, Multimode)	EA/DAY	130	8.00	1040.00	\$ 2,809.00	
102-77	HIGH INTENSITY FLASHING LIGHTS (TEMPORARY, TYPE "B")	EA/DAY	1,950	0.30	585.00		
102-60A	WORK ZONE SIGNS	EA/DAY	520	1.10	572.00		
110-4-2H	REMOVAL AND DISPOSAL OF EXISTING CONCRETE SIDEWALK ( up to 8" thick)	S.Y.	1,561	17.00	26537.00		
110-4-10C	REMOVE AND DISPOSE EXISTING CURB & GUTTER	L.F.	1,265	13.00	16445.00		
200-2-1	BASE PREPARATION FOR NEW SIDEWALK CONSTRUCTION	S.Y.	4,645	12.00	55740.00	EARTHWORK	7.24%
331-72-21	Driveway Transition - Asphalt (HMA)	S.Y.	150	22.00	3300.00	ASPHALT	0.43%
331-72A	CONCRETE DRIVEWAY TRANSITION - Transition at a rate of 2'/ft (includes Concrete and up to 6" of limerock)	S.Y.	150	21.00	3150.00	CONCRETE	30.96%
351-1A	COLOR CONCRETE CURB AND GUTTER (Type F)	L.F.	360	33.00	11880.00	\$ 238,450.00	
351-1B	COLOR CONCRETE SIDEWALK	S.Y.	233	28.00	6524.00		
527-2	DETECTABLE WARNING ON WALKING SURFACE	S.F.	3,144	22.00	69168.00		
520-2	CONCRETE CURB AND GUTTER (Any type, Including base preparation)	L.F.	1,035	28.00	28980.00		
522-1	CONCRETE SIDEWALK (4" Thick restoration and new, Class I Concrete, 3000 P.S.I.) (including pedestrian ramps and sidewalk curbs	S.Y.	1,197	24.00	28728.00		
522-2	CONCRETE SIDEWALK (6" Thick, 3000 P.S.I. concrete at 28 days) (including pedestrian ramps and sidewalk curbs)	S.Y.	3,215	28.00	90020.00		
536-1-01	GUARDRAIL (Roadway) (Includes the cost of shop bent panels)	L.F.	170	38.00	6460.00	FENCE AND GURADRAIL	2.22%
536-73	GUARDRAIL REMOVAL (Includes delivery and unloading at M-DPW 58th street yard)	L.F.	170	15.00	2550.00	\$ 17,090.00	
536-9	END ANCHORAGE (TYPE IV)	EA.	2	2015.00	4030.00		
550-8-7	6 FEET HIGH CHAIN LINK FENCE	L.F.	135	30.00	4050.00		
620-1-1	GROUNDING ELECTRODE	L.F.	200	8.40	1680.00	ELECTRICAL-SIGNAL	11.75%
630-1-12	CONDUIT 2" PVC UNDER GROUND	L.F.	160	7.00	1120.00	\$ 90,470.00	
635-1-11	PULL BOX, METER TYPE (Polymer)	AS.	10	327.00	3270.00		
632-7-1B	TRAFFIC CONTROL CABLE - (4-7 conductor)	L.F.	650	9.00	5850.00		
639-2-1	SERVICE WIRE[(#6 AWG WITH THW INSULATION)(THREE CONDUCTOR SET)(BLACK,WHITE AND GREEN)]	L.F.	180	5.00	900.00		
672-1-4	MODIFICATION OF EXISTING TRAFFIC CONTROLLER ASSEMBLY TYPE 170 - (Components furnished by county. Contractor to install, remove or re-place components and/or modify phasing and/or other operation)	AS.	9	1450.00	13050.00		
659-107	ALUMINUM PEDESTAL 4" I.D. (Up to 20')	EA.	10	950.00	9500.00		
659-112	SIGNAL HEAD AUXILIARIES (Mounting bracket , 2 way)	EA.	6	160.00	960.00		
653-191	PEDESTRIAN SIGNAL, 1-Way (LED-Countdown)(Includes entire assembly with mounting brackets)	AS.	57	325.00	18525.00		
665-11	PEDESTRIAN DETECTOR (Includes Push Button Sign R10-3B)	EA.	76	100.00	7600.00		
676-110-110A	CONTROLLER CABINET - POLE MOUNTED	EA.	4	800.00	3200.00		
678-1-113C	SOLAR PAGER PROGRAMABLE TIME SWITCH	EA.	4	1600.00	6400.00		
685-165	SOLAR ENGINE (Includes electronics, batteries & solar panels), dual LED signal including, housing and mounting hardware.	AS.	4	4200.00	16800.00		
690-20	REMOVE PEDESTRIAN SIGNAL HEAD ASSEMBLY	EA.	11	25.00	275.00		
690-70	REMOVE PEDESTRIAN DETECTOR ASSEMBLY	EA.	67	20.00	1340.00		
700-20-11	SINGLE POST SIGN (Furnish & Install) (Less than 12 sq FT)	AS.	103	195.00	20085.00	SIGNS	12.93%
700-46-01	REMOVAL OF SIGN AND POST	AS.	45	45.00	2025.00	\$ 99,589.00	
700-40-02	ROADSIDE SIGNS ((DOUBLE POST) (12 THRU 25 S.F.))	EA.	13	426.00	5538.00		
700-46-12A	REMOVE EXISTING MULTI-POST SIGN	EA.	9	185.00	1665.00		
700-48-18	SIGN PANEL (LESS THAN 15 SF)	EA.	266	160.00	42560.00		
700-48-60	REMOVE EXISTING SIGN - (Overhead mount)	EA.	28	187.00	5236.00		
700-48-60B	REMOVE SIGN PANEL	EA.	160	18.00	2880.00		
700-82A	OVERHEAD SIGN - (Furnish and install) (Mast arm or span wire mount, sign less than 15 sq. ft., includes mount brackets & hardware)	AS.	56	350.00	19600.00		
711-11-120	THERMOPLASTIC (White) (Solid) (6")	L.F.	480	1.00	480.00	PAVEMENT MARKING	28.08%
711-11-123	THERMOPLASTIC (White) (Solid) (12")	L.F.	28,598	2.00	57196.00	\$ 216,323.00	
711-11-125	THERMOPLASTIC (White) (Solid) (24")	L.F.	14,903	5.00	74515.00		
711-11-160	THERMOPLASTIC (White) (Message)	EA	19	125.00	2375.00		
711-11-221	THERMOPLASTIC (Yellow) (Solid) (6")	L.F.	17,200	1.00	17200.00		
711-17	Removal of existing thermoplastic pavement markings	S.F.	7,173	9.00	64557.00		
SUB TOTAL						TOTAL PERCENTAGE	100%
Grand Base= Sum of all SUB TOTALS		770,253.00					
ALLOWANCES							
101-11	MOBILIZATION	L.S.					
102-1Q	MAINTENANCE OF TRAFFIC	L.S.					
102-10A	OFF-DUTY LAW ENFORCEMENT OFFICER	L.S.					
990-0	ALLOWANCE-PERMITS	L.S.					
999-02	CONTINGENCY ALLOWANCE (10% OF BASE ESTIMATE)						
TOTAL							
Grand Total \$		939,183.36					

Historically this type of project has been done by electrical contractors.