

Date: December 26, 2013

To: Lester Sola, Director
Internal Services Department
Small Business Development Division



From: James P. Ferreira, P.E.
Engineer 2
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. 20130219
Safe Route to Schools Locations, Phase 9
FM# 431505-1

RECOMMENDATION

Contracts & Specification Sections has evaluated the subject project and recommends 24.77% Disadvantaged Business Enterprise (DBE) participation. Base cost estimate is \$157,597.06. 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.

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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) 375-3267, or Frank Aira at (305) 375-2930.

JF/jf

Attachments (2)

C: Kelly Duncombe, ISD
Laurie Johnson, ISD
Bassam Moubayed, PWWM
Frank Aira, P.E., CFM, PWWM
Alfredo Munoz, P.E., 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.: 20130219

*Reference corresponding project number when submitting a work order

Contract/Project Title: Safe Route to Schools Locations, Phase 9, FMs# 431505-1

Description/Scope of Work: See Attachments

Estimated Cost: 157597 **Funding Source:** Federal funds

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.
At three (3) elementary Schools: 1. Avocado, 2. Redondo, 3. Dr. Robert Ingram.

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 |
|--------------------------|-------------|-----------------------|--------------|
| Pavement Markings | \$39,034.25 | 24.77% | 26 |
| | \$ | % | |
| | \$ | % | |

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; 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: 12-26-2013

Contact Person: James Ferreira or Frank Aira

Telephone No.: 305-375-3267

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

RPQ No.: 20130219
RPQ Title: Safe Route to Schools Locations, Phase 9 FMs# 431505-1

To: Lester Sola, Director
Internal Services Department
Small Business Development Division

From: James P. Ferreira, P.E.
Engineer 2
Contracts and Specification Section
Construction Division
Public Works and Waste Management Department

Date: Thursday, December 26, 2013

Department: Public Works and Waste Management

Contract Type:

MCC 7360 Plan: Single Trade-with ancillary work

Request for Price Quotation (RPQ) No.:

20130219

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

No

RPQ Title:

Safe Route to Schools Locations, Phase 9 FMs# 431505-1

Standard Industrial Code (SIC):

16-Highway Construction Contractors

Estimated Base Project Cost:

\$157,597.06

Funding Source:

Federal

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

Method of Award: Line Item

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

RPQ No.: 20130219
RPQ Title: Safe Route to Schools Locations, Phase 9 FMs# 431505-1

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.

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

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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.: 20130219
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PWD Areas for possible measures:

Pavement Markings

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: 24.77%
- 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:

20130001
20100698
10100699
20100700
20000708
20120156

| PAY ITEMS | | | | SUMMARY OF ALL SCHOOL | |
|-----------------------------------|---|------|------------|-----------------------|---------------|
| ITEM NO. | DESCRIPTION | UNIT | UNIT COST | SUMMARY OF ALL SCHOOL | COST ESTIMATE |
| 102-1A | MAINTENANCE OF TRAFFIC | L.S. | | | \$8,000.00 |
| | CLEARING AND GRUBBING | | | | |
| 110-4-1-1 | REMOVAL AND DISPOSAL OF EXISTING CURB AND GUTTER | L.F. | \$4.00 | 90 | \$360.00 |
| 110-4-10B | REMOVE AND DISPOSE EXISTING SIDEWALK | S.Y. | \$9.00 | 349 | \$3,141.00 |
| | EARTHWORK | | | | |
| 200-2-1 | BASE PREPARATION FOR NEW SIDEWALK CONSTRUCTION | S.Y. | \$7.00 | 1,159 | \$8,113.00 |
| | INCIDENTAL CONSTRUCTION | | | | |
| 520-2A | CONCRETE CURB AND/OR GUTTER | L.F. | \$15.00 | 90 | \$1,350.00 |
| 522-1(1) | CONCRETE SIDEWALK (4" THICK, 3,000 P.S.I.) | S.Y. | \$32.00 | 1,002 | \$32,064.00 |
| 522-2 | CONCRETE SIDEWALK (6" THICK, 3000 P.S.I.) | S.Y. | \$45.00 | 183 | \$8,235.00 |
| 527-2 | DETECTABLE WARNING ON WALKING SURFACE | S.F. | \$20.00 | 528 | \$10,560.00 |
| 575-1-1 | SODDING (Pensacola Bahia or match existing) (includes watering) | S.Y. | \$2.50 | 9 | \$22.50 |
| 580-02A | TREE ROOT BARRIER | L.F. | \$10.13 | 21 | \$212.73 |
| 580-327-32D | TREES REMOVAL (Greater than 12"-18" Diameter) | EA | \$179.58 | 1 | \$179.58 |
| | TRAFFIC CONTROL SIGNALS | | | | |
| 630-1-12 | CONDUIT 2" PVC UNDER GROUND | L.F. | \$11.00 | 20 | \$220.00 |
| 632-7-1B | TRAFFIC CONTROL CABLE - (4-7 conductor) | L.F. | \$4.00 | 40 | \$160.00 |
| 635-1-11 | PULL BOX, METER TYPE (Polymer) | AS. | \$670.00 | 1 | \$670.00 |
| 653-191 | PEDESTRIAN SIGNAL, 1-Way (LED-Countdown) | AS. | \$425.00 | 3 | \$1,275.00 |
| 659-107 | ALUMINUM PEDESTAL 4" I.D. (Up to 20') | EA. | \$950.00 | 1 | \$950.00 |
| 665-11 | PEDESTRIAN DETECTOR (INCLUDES PUSH BUTTON SIGN R10-3B) | EA. | \$175.00 | 15 | \$2,625.00 |
| 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. | \$1,400.00 | 1 | \$1,400.00 |
| 690-20 | REMOVE PEDESTRIAN SIGNAL HEAD ASSEMBLY | EA. | \$50.00 | 11 | \$550.00 |
| | INSTALL PEDESTRIAN SIGNAL HEAD ASSEMBLY (Installation work only) | EA. | \$100.00 | 1 | \$100.00 |
| 690-31 | REMOVE SIGNAL PEDESTAL | EA. | \$90.00 | 6 | \$540.00 |
| 690-70 | REMOVE PEDESTRIAN DETECTOR ASSEMBLY | EA. | \$40.00 | 14 | \$560.00 |
| | SIGNING, PAVEMENT MARKING, LIGHTING | | | | |
| 700-20-11 | SINGLE POST SIGN (FURNISH AND INSTALL) (LESS THAN 12') | AS. | \$350.00 | 2 | \$700.00 |
| 700-40-01 | ROADSIDE SIGNS ((SINGLE POST) (LESS THAN 12 S.F.)) | AS. | \$330.00 | 29 | \$9,570.00 |
| 700-40-02 | ROADSIDE SIGNS ((DOUBLE POST) (LESS THAN 12 S.F.)) | AS. | \$430.00 | 14 | \$6,020.00 |
| 700-46-12A | REMOVE EXISTING MULTI-POST SIGN | EA. | \$110.00 | 7 | \$770.00 |
| 700-48-18 | SIGN PANEL (LESS THAN 15 SF.) | EA. | \$90.00 | 118 | \$10,620.00 |
| 700-48-60A | REMOVE EXISTING SIGNS & POSTS | AS. | \$55.00 | 23 | \$1,265.00 |
| 700-48-60B | REMOVE SIGN PANEL | EA. | \$30.00 | 91 | \$2,730.00 |
| 700-82A | OVERHEAD SIGN (FURNISH AND INSTALL) | EA. | \$350.00 | 16 | \$5,600.00 |
| 706-1-12 | REFLECTIVE PAVEMENT MARKERS (class B, mono or bi-direct, all colors) | EA. | \$5.50 | 384 | \$2,112.00 |
| 706-2 | REMOVAL OF EXISTING PAVEMENT MARKERS | EA. | \$0.30 | 160 | \$48.00 |
| 711-31 | SKIP TRAFFIC STRIPE THERMOPLASTIC) (10'-30') | L.F. | \$0.95 | 1,295 | \$1,230.25 |
| 711-4 | DIRECTIONAL ARROWS (Thermoplastic) | EA. | \$90.00 | 11 | \$990.00 |
| 711-7 | REMOVE EXISTING PAVEMENT MARKINGS | S.F. | \$2.30 | 198 | \$455.40 |
| 711-11-121 | THERMOPLASTIC (White) (Solid) (6') | L.F. | \$1.00 | 3,230 | \$3,230.00 |
| 711-11-123 | THERMOPLASTIC (White) (Solid) (12') | L.F. | \$3.10 | 2,787 | \$8,639.70 |
| 711-11-124 | THERMOPLASTIC (White) (Solid) (18') | L.F. | \$4.30 | 658 | \$2,829.40 |
| 711-11-125 | THERMOPLASTIC (White) (Solid) (24') | L.F. | \$6.50 | 1,903 | \$12,369.50 |
| 711-11-221 | THERMOPLASTIC (Yellow) (Solid) (6') | L.F. | \$1.00 | 3,220 | \$3,220.00 |
| 711-3A(3) | PAVEMENT MESSAGE, THERMOPLASTIC | EA. | \$230.00 | 17 | \$3,910.00 |
| SUB TOTAL | | | | | |
| Grand Base= Sum of all SUB TOTALS | | | | | \$157,597.06 |
| ALLOWANCES | | | | | |
| 101-11 | MOBILIZATION | L.S. | 1% | | \$1,575.97 |
| 102-10A | OFF-DUTY LAW ENFORCEMENT OFFICER | L.S. | | | \$5,000.00 |
| 990-0 | ALLOWANCE-PERMITS | L.S. | 3% | | \$4,727.91 |
| | | | | | |
| | | | | | |
| 999-02 | CONTINGENCY ALLOWANCE (10% OF BASE ESTIMATE) | L.S. | 10% | | \$15,759.71 |
| TOTAL | | | | | |
| Grand Total | | | | | \$184,660.65 |

| | | |
|--------------|---------|-------------------|
| \$8,000.00 | 5.08% | MOT |
| \$3,501.00 | 2.22% | C&G |
| \$8,113.00 | 5.15% | Earthwork |
| \$52,209.00 | 33.13% | Concrete |
| \$414.81 | 0.26% | Landscaping |
| \$9,050.00 | 5.74% | Traffic Signals |
| \$37,275.00 | 23.65% | Signing |
| \$39,034.25 | 24.77% | Pavement Markings |
| \$157,597.06 | 100.00% | |