

**Date:** June 13, 2017

**To:** Gary T. Hartfield, Division Director  
Small Business Development Division  
Internal Services Department

**From:** Alejandro Martinez-Esteve, RA, LEED AP.  
Chief, Capital Improvements Division  
Department of Transportation and Public Works

**Subject:** Notice of Construction Project:  
MCC 7360 Project No. 20170193  
Guardrail Maintenance



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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 does not recommend a Small Business Enterprise - Construction (SBE-CONST) measure. A Community Workforce Program (CWP) goal, if applicable, is to be determined by Small Business Development.

Scope of Work:	Single Trade – Guardrail Maintenance
Engineer Project Base Cost Estimate	
Including Contingency:	\$115,385.00
SBE-CONST Measure:	N/A
SBE-GS Measure:	N/A
CWP:	As Applicable

**SCOPE OF WORK**

The work includes but is not limited to the following: Replacement of guardrail posts, remove, repair or replace damaged or destroyed sections of guardrail, realigning of panels, posts, blocks and anchorages, and miscellaneous hardware. Removal of existing guardrail, construction of metal guardrail on posts of timber or steel, construction of guardrail anchorages.

**BACKGROUND**

On November 3, 2016, the Department of Transportation and Public Works (DTPW) advertised project 20160287 under the MCC 7040 plan. On November 30, 2016, one bidder submitted a proposal 56% above the Engineering estimate. The Department has seen a similar trend on these type of contracts. For instance on March 2<sup>nd</sup>, 2016, we received only one proposal under project 20150188, which was 160% above the engineer's estimate. The project was canceled and re-advertised under project 20160068. On January 5, 2017, we opened bids for RPQ 7360, Project 20160346, and were able to obtain three (3) bidders.

We respectfully request to have this project advertised as a MCC 7360, in order to increase the pool of bidders as we did for project 20160346.

Should you require any additional information, please call me at (305) 375-2097, or Alfredo Munoz at (305) 375-4891.

Attachments (2)

AM/am

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cc:	Laurie Johnson, ISD/SBD	Jhonnatan Escalante, ISD/SBD
	James P. Ferreira, P.E., DTPW	Alfredo Muñoz, P.E., DTPW
	Bassam Moubayed, DTPW	Raul Cruz, DTPW
	Joaquin Rabassa DTPW	Manuel O. Garcia, DTPW
	Bernard Philippeaux, DTPW	File

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION

**To:** Gary T. Hartfield, Division Director  
Small Business Development Division  
Internal Services Department

**From:** Alejandro Martinez-Esteve, RA, LEED AP  
Chief, Capital Improvements Division  
Department of Transportation and Public Works (DTPW)

**Date:** Tuesday, June 13, 2017



**CONTRACT INFORMATION**

**Contract Type:** 7360: Single Trade – Guardrail Maintenance

**Request for Price Quotation (RPQ) No:** 20170193

**RPQ Title:** Guardrail Maintenance

**Re-submittal:** No

**Standard Industrial Code (SIC) / North American Industry Classification Code (NAICS):** 2379 / 237990 – Heavy and Civil Engineering Construction

**Estimated Base Project Cost including Contingency:** \$115,385.00

**Funding Source:** Secondary Gas Tax (SGT)

**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**

The work includes but is not limited to the following: replacement of guardrail posts, remove, repair or replace damaged or destroyed sections of guardrail, realigning of panels, posts, blocks and anchorages, and miscellaneous hardware. Removal of existing guardrail, construction of metal guardrail on posts of timber or steel, construction of guardrail anchorages.

RPQ No.: 20170193  
RPQ Title: Guardrail Maintenance

**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 from the County's Construction Trades Qualifying Board as a General Building Contractor, 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 paving engineering or fence 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

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 Guardrail Work Class.

**Experience Requirement:**

The Bidder must demonstrate that it has full-time personnel with the necessary experience to perform the Project's Scope of Work. This experience shall include work in successfully completed projects performed by the identified personnel whose bulk of work performed in the Public Right-of-Way is similar in detail to the Project's Scope of Work described in these Solicitation Documents. Demonstrate the experience requirement by:

Providing a detailed description of at least three (3) projects similar in detail to the Project's Scope of Work described in these Solicitation Documents and in which the Bidder's identified personnel is currently engaged or has completed within the past five years. List and describe the aforementioned projects and state whether the work was performed for the County, other government clients, or private entities. The description must identify for each project: 1) The identified personnel and their assigned role and responsibilities for the listed project, 2) The client name and address including a contact person and phone number for reference, 3) Description of work, 4) Total dollar value of the contract, 5) Contract duration, 6) Statement or notation of whether Bidder's referenced personnel is/was employed by the prime contractor or subcontractor, and 7) For completed projects, provide letters of certification of final acceptance or similar project closure documentation issued by the client and available Contractor's performance evaluations; or

Pursuant to Section 255.20, F.S., the County may consider a bid from a Bidder in good standing, meeting the license requirements above, 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 in the Guardrail Work Class, Certification of Work Underway, and Status of Contract(s) On Hand.

**RECOMMENDATION**

**Areas for Possible Measures:** N/A

**Areas Recommended for SBE-construction Participation:** N/A

**Contract Measure Recommendation:**

- No Measure
- Set-Aside:  
Level I          Level II          Level III
- Trade Set-Aside(s):
- Aggregate Set-Aside
- SBE-CONST Goal:
- SBE-GS Goal:
- CWP: As Applicable.
- DBE Subcontractor Goal

**Reason for Recommendation:**

DTPW has in the past advertised similar type of projects under the 7040 plan, resulting in no bids, or single bidders with prices too high which in turn resulted in lengthy and costly re-advertisements. Examples of recently canceled projects are 20160297, 20160287, and 20150188

This is a single trade project; none of the primary trade related work (Guardrail) can be subcontracted as per the Miscellaneous Construction Contract (MCC) specifications.

Based on the review of the scope of work for the subject RPQ and the analysis of factors contained in Section VI D of Implementing Order 3-22, the Department does not recommend a subcontractor goal.

**Similar Projects previously submitted for Project Review and Analysis Process:**

20160346

**SBE-CONST Goal / Project No. / Amount achieved:** As determined by SBD

**ENGINEER ESTIMATE GUARDRAIL CONTRACT ( October 2017 )**

Pay Item	Description	Unit	Unit price	Estimated Quantity	
				Quantity	Total
339-1	MISCELLANEOUS Asphalt Pavement	TON	\$ 190.00	2.00	\$ 380.00
536-73	Guardrail Removal	LF	\$ 7.00	49.00	\$ 343.00
400-1-15	Concrete Class I	CY	\$ 100.00	1.00	\$ 100.00
515-1-1	PIPE HANDRAIL (STEEL)	LF	\$ 29.00	50.00	\$ 1,450.00
522-1(1)	CONCRETE SIDEWALK (4" Thick restoration and new, Class I Concrete, 3000 P.S.I.) (Including pedestrian ramps and sidewalk curbs)	SY	\$ 37.00	15.00	\$ 555.00
536-1-1D	GALVANIZED GUARDRAIL (Roadway)	LF	\$ 20.00	680.00	\$ 13,600.00
536-2-7	REFLECTORS (As approved by FDOT)	EA	\$ 10.00	100.00	\$ 1,000.00
536-2-9	GUARDRAIL OFFSET BLOCKS (Recycle Plastic) (6" X 8" X 14")	EA	\$ 12.00	100.00	\$ 1,200.00
536-2-10A	GALVANIZED GUARDRAIL(Shop bent , panels of various radius10', 15', 20', etc. 6.25' or 12.5' sections) STRAIGHT	LF	\$ 20.00	172.00	\$ 3,440.00
536-8-2	END SECTION ( Rounded )	EA	\$ 150.00	14.00	\$ 2,100.00
536-6A	Pipe Rail for Guardrail	LF.	\$ 12.00	147.00	\$ 1,764.00
536-12-1B	Guardrail Gate Opening (Complete including all items as shown on details)	EA	\$ 700.00	14.00	\$ 9,800.00
536-70-2	GALVANIZED STEEL "H" POST	EA	\$ 130.00	40.00	\$ 5,200.00
536-70-3	Timber Post	EA	\$ 150.00	54.00	\$ 8,100.00
536-70-04	SPECIAL GUARDRAIL POST (With galvanized steel base) (1/2 X 12" X 12" Base plate)	EA	\$ 130.00	13.00	\$ 1,690.00
536-70-6	ENCASED GUARDRAIL POST	EA	\$ 130.00	16.00	\$ 2,080.00
536-70-6A	Core drill and patch sidewalk	EA	\$ 40.00	17.00	\$ 680.00
536-85-25	End Anchorage Type II	EA	\$ 900.00	8.00	\$ 7,200.00
536-85-5A	GUARDRAIL END ANCHORAGE ASSEMBLY (Type MELT -Flared end type) ( as approved by FDOT or equal)	EA	\$ 2,200.00	8.00	\$ 17,600.00
536-85-28A	END ANCHORAGE ASSEMBLY (Type LET) ( as aproved by FDOT or equal)	EA	\$ 2,200.00	8.00	\$ 17,600.00
	<b>SUBTOTAL</b>				\$ 95,882.00
999	CONTINGENCY 10%	L.S.	\$ -		\$ 9,588.20
102-1A	OFF DUTTY POLICE OFFICER	LS	\$ 5,000.00	1.00	\$ 5,000.00
102-1Q	MAINTENANCE OF TRAFFIC (as needed & approved by County engineer) 2% (When directed by the Engineer)	LS			\$ 1,917.64
990	PERMIT	LS	\$ 996.78	1.00	\$ 996.78
102 - 1M	MOBILIZATION	LS	\$ 250.00	8.00	\$ 2,000.00
	<b>TOTAL CONSTRUCTION</b>				\$ 115,384.62
	Project Administration Costs 30%				\$ 34,615.39
	<b>GRAND TOTAL</b>				\$ 150,000.01