

Memorandum



Date: March 23, 2023

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

A handwritten signature in blue ink, appearing to read "Alfredo E. Munoz".

From: Alfredo E. Munoz, P.E.
Chief, Capital Improvements Division
Department of Transportation and Public Works

Subject: MCC Project No: RPQ 20220132
Project Name: Intersection Improvements to NE 2 Ave. and NE 36 St.
Description: Construction Services for a Project with FDOT funds
Contract Number: MCC 7360 Plan RPQ 20220132, FM 442766-58-1

It is the policy of the FDOT Local Agency Program Agreement (Agreement) that DBEs, as defined in 49 Code of Federal Regulations (C.F.R.) Part 26, as amended, shall have the opportunity to participate in the performance of contracts financed in whole or in part with FDOT funds under this Agreement. The current statewide DBE participation is 10.65%. The DBE requirements of applicable state laws apply to this Agreement. The Department of Transportation and Public Works (DTPW) staff has attached the DTPW Project Measure Analysis and Recommendation findings along with other supporting documents for consideration. This project is state funded; therefore, the Community Workforce Program (CWP) is not applicable. Davis Bacon Wages for Highway Construction are applicable to this Project.

Scope of Services - DTPW has a need to establish construction services for the project entitled: "Intersection Improvement at NE 2 Avenue and NE 36 Street" (the "Project"). The Project in general, consists of intersection improvements to restrict the southbound approach of NE 2 Ave. at NE 36 St. to allow southbound right turns only and reduce the overall delay at the intersection. The proposed improvements will help relieve the congestion at the NE 2nd Avenue and NE 36th Street/Federal Highway intersection and consist of but are not limited to new bicycle lanes, sidewalks, curb and gutter, signalization, signing and pavement markings, roadway lighting, railroad facilities and storm drainage system. Project to be constructed in compliance with the latest Florida Department of Transportation (FDOT) Design Standards.


The total estimated fee for construction services is \$1,004,110.16, which includes a base amount of \$840,008.82 a ten percent contingency allowance account for unforeseen services, of \$84,000.88 and a dedicated allowance account for Permits of \$80,100.46. The funding source for the project is FDOT and Road Impact Fees (RIF) Program.

Should you have any questions, or require additional information, please contact Alfredo Munoz, Chief, Capital Improvement Division, at (305) 375-4891 or Alfredo.Munoz@miamidade.gov.

cc: Katherine Fernandez, DTPW
Laura Hernandez, DTPW
Laurie Johnson, SBD/ISD

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

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

From: 
Alfredo E. Muñoz, P.E.
Department of Transportation and Public Works
Chief, Capital Improvements Division

Date: Thursday, March 23, 2023

CONTRACT INFORMATION

Contract Type: MCC 7360: Multiple Trade – Roadway Improvements

Request for Price Quotation (RPQ) No: 20220132

RPQ Title: Intersection Improvement at to NE 2 Ave. and NE 36 Street
FM 442766-58-1

Re-submittal: No

Standard Industrial Code (SIC) / North American Industry Classification Code (NAICS): 1611 / 237310 - Highway, Street & Bridge Construction

Estimated Base Project Cost Including Contingency: \$924,009.88

Funding Source: FDOT & RIF

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

DTPW has a need to establish construction services for the project entitled: “Intersection Improvement at NE 2 Avenue and NE 36 Street” (the “Project”). The Project in general, consists of intersection improvements to restrict the southbound approach of NE 2 Ave. at NE 36 St. to allow southbound right turns only and reduce the overall delay at the intersection. The proposed improvements will help relieve the congestion at the NE 2nd Avenue and NE 36th Street/Federal Highway intersection and consist of but

RPQ No.: 20220132
RPQ Title: Intersection Improvement at NE 2nd Ave. and NE 36th St., FM# 442766-1
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are not limited to new bicycle lanes, sidewalks, curb and gutter, signalization, signing and pavement markings, roadway lighting, railroad facilities and storm drainage system. Project to be constructed in compliance with the latest Florida Department of Transportation (FDOT) Design Standards.

Required Contractor's Certification:

1. 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:
 - a. Certificate of Competency from the County's Construction Trades Qualifying Board as an 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 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
 - b. Certification as State of Florida General Contractor provided by the State of Florida Contractors' Licensing Board, pursuant to the provisions of Section 489.511 of the Florida Statutes (F.S.). or
2. 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 Flexible Paving and Drainage Work Classes.

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:

- A. The identified personnel and their assigned role and responsibilities for the listed project
- B. The client name and address including a contact person and phone number for reference
- C. Description of work

- D. Total dollar value of the contract
- E. Contract duration
- F. Statement or notation of whether Bidder's referenced personnel is/was employed by the prime contractor or subcontractor, and
- G. 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.
- H. 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 Flexible Paving and Drainage Work Class, Certification of Work Underway, and Status of Contract(s) On Hand.

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.

RECOMMENDATION

Areas for Possible Measures: Concrete; Pavement Markings and Signage

Areas Recommended for DBE Participation: Concrete; Pavement Markings and Signage

Contract Measure Recommendation:

- No Measure
- Set-Aside:
 - Level I
 - Level II
 - Level III
- Trade Set-Aside(s):
- Aggregate Set-Aside
- CSBE Subcontractor Goal
- CWP: Not Applicable
- DBE Participation: 10.65%

Reason for Recommendation:

This is a multiple trade project. Previous projects with similar scopes have demonstrated that the general contractors will bid as the primary contractor for this project and subcontract the pavement markings and/or the concrete work. General and Engineering contractors have shown on previous contracts that they are able to perform the balance of the work. Primary contractor must comply with the requirements of the State, 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:

The current DBE statewide participation is 10.65%.

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

Similar Projects previously submitted for Project Review and Analysis Process:

- 20150148: Safe Route to Schools Locations, Phase 11 FM# 433444-1
- 20160221: Safe Route to Schools Locations, Phase 12 FM# 428211-1
- 20160349: Safe Route to Schools Locations, Phase 13 FM# 428210-1
- 20190002: Safe Route to Schools Locations, Phase 14 FM# 435480-1
- 20190003: Safe Route to Schools Locations, Phase 15 FM# 435481-1
- 20180019: Safe Route to Schools Locations, Phase 16 FM# 436940-1
- 20180063: Safe Route to Schools Locations, Phase 17 FM# 436941-1
- 20190263: Safe Route to Schools Locations, Phase 18 FM# 438165-1
- 20190265: Safe Route to Schools Locations, Phase 19 FM# 438163-1
- 20220029: Safe Route to Schools Locations, Phase 21 FM# 439894-1

Engineer's Cost Estimate

Date: 08/26/2022
 Project No: 20180024
 NE 2nd AVE & NE 36th ST

ROADWAY

Pay Item	ITEM DESCRIPTION	Unit	QUANTITY*	AVG COST	TOTAL	NOTES
102-1A	MAINTENANCE OF TRAFFIC	DA	140	\$ 593.93	\$ 83,150.06	
104-18	INLET PROTECTION SYSTEM	EA	5	\$ 150.22	\$ 751.12	
110-1-1B	CLEARING AND GRUBBING	LS	1.00	\$ 57,924.36	\$ 57,924.36	
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	289	\$ 32.86	\$ 9,495.24	
110-4-10A	REMOVE AND DISPOSE EXISTING CURB AND GUTTER	SY	87	\$ 32.86	\$ 2,858.43	
160-40	TYPE B STABILIZATION (12" THICK)(LBR 40)	SY	76.20	\$ 1.92	\$ 146.34	
200-1-10	LIMEROCK BASE (8" THICK, PRIMED)	SY	76.20	\$ 21.54	\$ 1,641.31	
327-70-1A	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	6,060	\$ 2.82	\$ 17,074.05	
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	4.19	\$ 159.49	\$ 668.28	
337-7-82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22	TN	333.30	\$ 186.66	\$ 62,212.61	
425-1-351	INLETS, CURB, TYPE P-5,	EA	2	\$ 6,500.59	\$ 13,001.19	
425-1-361	INLETS, CURB, TYPE P-6, <10'	EA	1	\$ 7,820.15	\$ 7,820.15	
425-1-461	INLETS, CURB, TYPE J-6	EA	1	\$ 18,515.00	\$ 18,515.00	
425-1-549	INLETS, DT BOT, TYPE D, MODIFY	EA	1	\$ 13,046.27	\$ 13,046.27	
425-110	MODIFY EXISTING DRAINAGE STRUCTURE	EA	2	\$ 2,300.00	\$ 4,600.00	
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	107	\$ 97.72	\$ 10,455.56	
515-2-301	PEDESTRIAN / BICYCLE RAILING, (STEEL ONLY, 42" PICKET RAILING)	LF	28	\$ 142.59	\$ 3,992.48	
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	1,022.60	\$ 29.31	\$ 29,975.99	
520-2-4A	CONCRETE CURB, TYPE D	LF	76	\$ 32.90	\$ 2,500.51	
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	398.90	\$ 50.91	\$ 20,308.20	
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	208.70	\$ 66.92	\$ 13,965.89	
527-2	DETECTABLE WARNINGS	SF	165.30	\$ 41.29	\$ 6,824.41	
536-73	GUARDRAIL REMOVAL	LF	32.10	\$ 2.31	\$ 74.20	
550-10-220	FENCING TYPE B, 5.1-6.0', STANDARD	LF	20.00	\$ 37.06	\$ 741.29	
570-1-2	PERFORMANCE TURF, SOD	SY	718.20	\$ 4.97	\$ 3,568.02	
580-3	TREE PROTECTION BARRICADES	LF	47.00	\$ 9.98	\$ 469.15	
			Roadway	Subtotal	\$ 385,780.10	

SIGNALIZATION

Pay Item	ITEM DESCRIPTION	Unit	QUANTITY*	AVG COST	TOTAL	NOTES
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	382	\$ 31.77	\$ 12,137.86	
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	\$ 9,295.83	\$ 9,295.83	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	8	\$ 1,024.60	\$ 8,196.83	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	4	\$ 1,335.92	\$ 5,343.68	
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA	4	\$ 259.37	\$ 1,037.48	
649-26-3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION- BOLT ON ATTACHMENT	EA	1	\$ 8,452.50	\$ 8,452.50	
650-1-60	VEHICULAR TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	AS	2	\$ 134.31	\$ 268.62	
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	3	\$ 1,129.96	\$ 3,389.87	
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	EA	4	\$ 178.58	\$ 714.33	
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	7	\$ 1,172.56	\$ 8,207.94	
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	4	\$ 376.23	\$ 1,504.94	
665-1-60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	2	\$ 76.89	\$ 153.78	
671-2-12	TRAFFIC CONTROLLER, MODIFY, MODEL 170	EA	1	\$ 1,325.61	\$ 1,325.61	
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	2	\$ 107.70	\$ 215.40	
700-5-21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	\$ 3,459.23	\$ 6,918.47	
			Signalization	Subtotal	\$ 67,163.13	

LIGHTING

Pay Item	ITEM DESCRIPTION	Unit	QUANTITY*	AVG COST	TOTAL	NOTES
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	440.00	\$ 31.77	\$ 13,980.78	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	9	\$ 1,024.60	\$ 9,221.44	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1	\$ 4,763.27	\$ 4,763.27	
639-3-11M	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1	\$ 2,509.28	\$ 2,509.28	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1	\$ 2,202.73	\$ 2,202.73	
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	1,680	\$ 3.94	\$ 6,626.76	
715-1-60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	900	\$ 0.72	\$ 652.05	
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1	\$ 18,023.90	\$ 18,023.90	
715-500-1A	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	6	\$ 1,120.43	\$ 6,722.60	
715-516-615	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, POLE TOP MOUNT, CAST IRON, 15'	EA	6	\$ 11,500.00	\$ 69,000.00	
715-526-615	LIGHT POLE COMPLETE-SPECIAL DESIGN, FURNISH, POLE TOP MOUNT, CAST IRON, 15'	EA	1	\$ 10,350.00	\$ 10,350.00	
			Lighting	Subtotal	\$ 144,052.81	

Pre-total \$ 840,008.82

SUBTOTAL / BASE AMOUNT \$ 840,008.82 Base Construction Cost
\$ 924,009.70 For SBD Base + 10%

ALLOWANCES

102-1D	ADDITIONAL MAINTENANCE OF TRAFFIC-FLAGMAN	HRS	240	\$ 150.00	\$ 36,000.00	
		LS				
992-1	FUEL ADJUSTMENT	LS		2%	\$ 16,800.18	PRICE AJUSTMENT ALLOWANCE
992-2	Material Adjustments for Aluminum, PVC, and Copper	LS		3.25%	\$ 27,300.29	
992-3	Material Adjustments for Steel Guardrail	LS				
999	CONTINGENCY	LS		10%	\$ 84,000.88	
				Total	\$ 1,004,110.16	

RAILROAD	RAILROAD	LS	1	\$ 527,000.00	\$ 527,000.00	Not part of contract. Not for bid
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* QUANTITIES BASED ON 08/26/2022 SET

Total with Railroad \$ 1,531,110.16

ITALIC =UNAVAILABLE
 (ENGINEER'S
 ESTIMATE).