

**Date:** December 23, 2015

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

**From:** Alejandro Martinez-Esteve, R.A., LEED AP  
Manager, Capital Improvements  
Public Works and Waste  
Management Department

*for [Signature]*

**Subject:** Notice of Design/Build Services:  
ISD Project No. DB15-PWWM-01  
PWWM Project No. 20150195  
Roadway Improvements to NE 2 Avenue from  
NE 69 Street to NE 84 Street  
**DESIGN/BUILD**

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**RECOMMENDATION**

Public Works and Waste Management (PWWM) Capital Improvements staff completed the review of the subject Design/Build Services in accordance with the applicable provisions of Implementing Order 3-22. Please review and approve the resulting Small Business Enterprise (SBE) subconsultant/subcontractor goal for design-build services for the above-referenced project. Attached is the Project Measure Analysis and Recommendation along with other supporting documentation.

**Scope of Work:** Design/Build for roadway improvement including roadway reconstruction, new stormwater system, new 12-inch water main, sidewalks, curb and gutters, pavement markings, signage, signalization, decorative lighting and landscaping. Work also includes but is not limited to providing all geotechnical, survey, and design services necessary to produce the required construction documents, engineering plans, traffic control and maintenance of traffic plans to detour traffic; project permitting; public involvement plan; and all project coordination, supervision, labor, materials, tools, and equipment needed for completing the Work in accordance with the Contract Documents.

**Engineer Project Base Cost Estimate  
(including Contingency):** Design: \$734,559.72; Construction: \$7,345,597.18

SBE A/E Measure:	Land Surveying	7.0%
	Landscape Architecture	4.0%
SBE G/S Measure:	MOT Devices	2.4%
SBE Construction Measure:	Concrete	8.4%
	Landscaping	1.6%
	Signage & Pavement Markings	0.6%
CWP Goal:	As applicable	

**BACKGROUND**

This project was previously submitted as a JPA (CMJPA-2015.02) between Miami-Dade County and the City of Miami for the design and construction of a roadway improvement project along NE 2 Avenue from NE 69 Street to NE 84 Street. SBD provided a SBD worksheet on April 2, 2015 with the following goals: SBE-A/E: 12.02%, SBE-CONST: 21.88%, SBE-GS: 2.79%, and CWP: 10%. In November, 2015, PWWM decided to administer the project instead of using a JPA. In December, 2015, the Water and Sewer Department (WASD) added additional scope which was not included in the JPA.

If any additional information is required you may contact me at (305) 375-2097, or James Ferreira at (305) 375-3267.

AM/jf

**Attachments (3)**

- |    |                            |                           |
|----|----------------------------|---------------------------|
| C: | James Ferreira, P.E., PWWM | Raul Quintela, P.E., PWWM |
|    | Alfredo Munoz, P.E., PWWM  | Octavio Marin, P.E., PWWM |
|    | Laurie Johnson, ISD        | Alice Hidalgo-Gato, ISD   |
|    | File                       |                           |

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

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

**From:** Alejandro Martinez-Estevez, RA, LEED AP  
Manager, Capital Improvements Section  
Public Works & Waste Management Department

**Date:** Wednesday, December 23, 2015

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**CONTRACT INFORMATION**

**PWWM Project No.:** 20150195

**ISD Project No.:** DB15-PWWM-01

**Project Title:** Roadway Improvements to NE 2 Avenue from NE 69 Street to NE 84 Street

**Re-submittal:** Yes

**Standard Industrial Code (SIC) / North American Industry Classification Code (NAICS):** 1610 / 237310 - Construction – Highway, Street & Bridge Construction

**Estimated Project Base Cost (including Contingency):** \$7,345,597.18 - Construction  
\$ 734,559.72 - Design

**Funding Source:** People's Transportation Plan

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

**PROJECT INFORMATION**

**Scope of Work**

Work includes design/build for roadway improvement including roadway reconstruction, new stormwater system, new 12-inch water main, sidewalks, curb and gutters, signalization, pavement markings, signage, signalization, decorative lighting, and landscaping. Work also includes but is not limited to providing all geotechnical, survey, and design services necessary to produce the required construction documents, engineering plans, traffic control and maintenance of traffic plans to detour traffic; project permitting; public involvement plan; and all project coordination, supervision, labor, materials, tools, and equipment needed for completing the Work in accordance with the Contract Documents.

**Project No.:** DB15-PWWM-01 (20150195)  
**Project Title:** Roadway Improvements to NE 2 Avenue from NE 69 Street to NE 84 Street

**Design:**

There are no special and/or minimum requirements the Lead Designer and/or sub-consultants should possess. Technical Certification category 3.02, 3.09, and 10.01 are the only Technical Categories that the Lead Designer must hold.

**A/E Consultant Selection: Technical Certification Categories:**

Roadway Improvements along NE 2nd Ave from NE 69 St to NE 84 St – Design Costs Segment D			
3.02	Highway Systems - Highway Design	33.00%	\$242,404.71
3.09	Highway Systems - Signing, Pavement Marking, and Channelization	5.00%	\$36,727.99
3.10	Highway Systems - Lighting	11.00%	\$80,801.57
3.11	Highway Systems - Signalization	14.00%	\$102,838.36
6.01	Water Distribution and Sanitary Sewage Collection and Transmission	6.00%	\$44,073.58
9.02	Soils, Foundations, and Materials Testing – Geotechnical and Materials Engineering Services	1.50%	\$11,018.40
9.03	Soils, Foundations, and Materials Testing – Concrete and Asphalt Testing Services	1.00%	\$7,345.60
10.01	Environmental Engineering - Stormwater Drainage Design Engineering Services	16.00%	\$117,529.55
15.01	Land Surveying	7.00%	\$51,419.18
15.02	Aerial Photography	1.50%	\$11,018.40
20.00	Landscape Architecture	4.00%	\$29,382.39
		100.00%	\$734,559.72

**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 (the 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 Scope of Work, in

engineering crafts to include paving engineering work. 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 Contracts On Hand. Acceptable FDOT qualification(s) necessary to perform the work specified in the project's scope of work shall include Flexible Paving and Drainage Work Classes.

Additional Information – Permits, Licenses, Certifications, and General Regulations

Permits that are issued by PWWM 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**

**PWWM Areas recommended for SBE Subcontractor Goal:**

SBE A/E Measure:	Land Surveying Landscape Architecture
SBE Construction Measure:	Concrete Landscaping Signage & Pavement Markings

**Contract Measure Recommendation:**

- No Measure
- Set-Aside:
  - Level I      Level II      Level III
- Trade Set-Aside(s):
- Aggregate Set-Aside

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

- SBE Subcontractor Goal:
- A/E Measure:
- |                        |      |
|------------------------|------|
| Land Surveying         | 7.0% |
| Landscape Architecture | 4.0% |
- G/S Measure:
- |             |      |
|-------------|------|
| MOT Devices | 2.4% |
|-------------|------|
- Construction Measure:
- |                             |      |
|-----------------------------|------|
| Concrete                    | 8.4% |
| Landscaping                 | 1.6% |
| Signing & Pavement Markings | 0.6% |
- CWP: As Applicable
- DBE Subcontractor Goal: Not Applicable

**Reason for Recommendation:** The recommendations are based on the information provided in the attached cost estimate which is provided in accordance with the Miami-Dade County Code.

**SBE Prime History of similar Contracts/Projects for previous Three (3) years:** None

**Scope of Work History Summary – Subcontracting Opportunities:** None

**Similar Projects previously submitted for SBD Action:** None

**SBE Goal / Project No. / Amount achieved:** None

## Bid Tabulation

### NE 2 Avenue Roadway Improvements From NE 69 Street to NE 84 Street (Segment D)

Pay Item No.	Description	Unit		Unit Price	Total
		Measure	Quantity		
102-3	COMMERCIAL MATERIAL FOR DRIVEWAY MAINTENANCE	CY	27,000	\$ 5.00	\$ 135,000.00
102-14	TRAFFIC CONTROL OFFICER	MH	2,080	\$ 51.30	\$ 106,704.00
102-60	WORK ZONE SIGNS	ED	27,324	\$ 0.40	\$ 10,929.60
102-61	BUSINESS SIGNS (TEMPORARY, POST MOUNTED)	EA	66	\$ 92.00	\$ 6,072.00
102-71-11	TEMPORARY BARRIER WALL (F&I) (CONCRETE)	LF	1,166	\$ 31.50	\$ 36,729.00
102-71-21	TEMPORARY BARRIER WALL (RELOCATE) (CONCRETE)	LF	7,106	\$ 3.45	\$ 24,515.70
102-74-1	TEMPORARY BARRICADE (TYPES I, II, DI, VP & DRUM)	ED	185,328	\$ 0.17	\$ 31,505.76
102-74-2	TEMPORARY BARRICADE (TYPES III-6')	ED	15,048	\$ 0.32	\$ 4,815.36
102-76	ADVANCE WARNING ARROW PANEL	ED	792	\$ 8.65	\$ 6,850.80
102-77	HIGH INTENSITY FLASHING LIGHTS, TEMPORARY, TYPE B	ED	15,840	\$ 0.27	\$ 4,276.80
102-78	TEMPORARY REFLECTIVE PAVEMENT MARKER	EA	1,910	\$ 4.30	\$ 8,213.00
102-79	TYPE C STEADY BURN LIGHT, TEMP, BARRIER WALL MOUNT	ED	8,316	\$ 0.44	\$ 3,659.04
102-89-7	TEMPORARY CRASH CUSHION	LO	30	\$ 1,319.00	\$ 39,570.00
104-10-3	SEDIMENT BARRIER	LF	6,030	\$ 2.80	\$ 16,884.00
104-16	ROCK BAGS	EA	201	\$ 6.75	\$ 1,356.75
110-1-1	CLEARING AND GRUBBING (INCLUDES REMOVAL OF ASPHALT, EXIST. DRAINAGE PIPES, MANHOLES AND CATCH BASINS)	AC	9	\$ 10,038.00	\$ 93,152.64
110-4	REMOVAL OF EXISTING CONCRETE SIDEWALK, CURB & GUTTER	SY	11,886	\$ 10.50	\$ 124,803.00
120-1	EXCAVATION, REGULAR	CY	16,430	\$ 12.00	\$ 197,160.00
120-6	EMBANKMENT	CY	310	\$ 18.85	\$ 5,843.50
160-4	TYPE B STABILIZATION	SY	35,002	\$ 3.50	\$ 122,507.00
285-709	BASE OPTIONAL GROUP 9	SY	35,002	\$ 14.30	\$ 500,528.60
327-70-1	MILLING EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)	SY	1,890	\$ 9.95	\$ 18,805.50
334-1-13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C ) (2")	TN	3,464	\$ 139.00	\$ 481,496.00
337-7-73	ASPHALT CONC FRICTION COURSE (INC RUBBER) (FC-9.5) (1")	TN	1,732	\$ 151.00	\$ 261,532.00
425-1-331	INLETS (CURB TYPE P-3) (= <10)	EA	4	\$ 4,280.78	\$ 17,123.12
425-1-341	INLETS (CURB TYPE P-4) (= <10)	EA	2	\$ 4,663.99	\$ 9,327.98
425-1-351	INLETS (CURB TYPE P-5) (= <10)	EA	20	\$ 4,175.00	\$ 83,500.00
425-1-361	INLETS (CURB TYPE P-6) (= <10)	EA	7	\$ 4,553.00	\$ 31,871.00
425-1-901	INLETS (CURB TYPE P-11) (= <10)	EA	16	\$ 3,864.00	\$ 61,824.00
425-1-903	INLETS (CURB TYPE P-9) (<10)	EA	10	\$ 4,000.00	\$ 40,000.00
	INLETS (TYPE SD-2.3) (<10)	EA	9	\$ 3,860.00	\$ 34,740.00
425-2-71	MANHOLES (I-7T) (= <10)	EA	32	\$ 7,000.00	\$ 224,000.00
425-5	MANHOLES , ADJUST	EA	22	\$ 155.00	\$ 3,410.00
425-6	VALVE BOXES, ADJUST	EA	140	\$ 155.00	\$ 21,700.00
425-8	DRAINAGE, ADJUST	EA	45	\$ 155.00	\$ 6,975.00
430-175-115	PIPE CULVERT OPTIONAL MATERIAL (STORM AND DRAIN CROSS){15"}	LF	2,400	\$ 46.00	\$ 110,400.00
430-175-136	PIPE CULVERT OPTIONAL MATERIAL (STORM AND DRAIN CROSS){36"}	LF	1,582	\$ 75.00	\$ 118,650.00
443-70-6	FRENCH DRAIN 36"	LF	2,867	\$ 156.00	\$ 447,252.00
	BAFFLE	EA	44	\$ 350.00	\$ 15,400.00
520-1-10	CURB & GUTTER (TYPE F)	LF	6,980	\$ 20.40	\$ 142,392.00
520-1-11	CURB & GUTTER (TYPE G)	LF	1,977	\$ 12.00	\$ 23,724.00
520-30	VALLEY GUTTER	LF	3,379	\$ 20.00	\$ 67,580.00
522-1	SIDEWALK CONCRETE (4")	SY	8,262	\$ 40.40	\$ 333,784.80
522-2	SIDEWALK CONCRETE (6")	SY	933	\$ 44.45	\$ 41,471.85
522-4	BUS SHELTER - PAD	SY	62	\$ 165.00	\$ 10,263.00
527-2	DETECTABLE WARNINGS	SF	879	\$ 29.00	\$ 25,491.00
1644-800	FIRE HYDRANT, RELOCATE	EA	4	\$ 2,828.00	\$ 11,312.00
<b>SUBTOTAL ROADWAY</b>					<b>\$ 4,125,101.80</b>

SBE-G/S  
\$ 177,137.06  
2.4%

SBE-CONST  
CONCRETE  
\$ 619,215.65  
8.4%

700-1-11	SIGN SINGLE POST (LESS THAN 12 SQ. FT.)	AS	49	\$	216.00	\$	10,584.00	
700-1-50	SIGN EXISTING (RELOCATE)	EA	3	\$	265.00	\$	795.00	
700-1-60	SIGN EXISTING (TO BE REMOVED)	EA	33	\$	48.00	\$	1,584.00	
706-3	RETRO-REFLECTIVE PAVEMENT MARKER (YELLOW/YELLOW)	EA	167	\$	3.20	\$	534.40	
706-3	RETRO-REFLECTIVE PAVEMENT MARKER (WHITE/RED)	EA	186	\$	3.20	\$	595.20	
711-11-101	6" SOLID TRAFFIC STRIPE (WHITE)	LF	14,287	\$	0.66	\$	9,365.02	
711-11-123	12" SOLID TRAFFIC STRIPE (WHITE)	LF	3,651	\$	1.40	\$	5,111.40	
711-11-125	24" SOLID TRAFFIC STRIPE (WHITE)	LF	1,025	\$	3.25	\$	3,331.25	
711-11-151	6" (2-4) SKIP TRAFFIC STRIPE (WHITE)	LF	1,110	\$	0.70	\$	777.00	
711-11-160	PAVEMENT MESSAGES	EA	43	\$	108.00	\$	4,644.00	
711-11-170	DIRECTIONAL ARROWS	EA	28	\$	64.90	\$	1,817.20	
711-11-201	6" SOLID TRAFFIC STRIPE (YELLOW)	LF	10,740	\$	0.66	\$	7,088.40	
711-11-224	18" SOLID TRAFFIC STRIPE (YELLOW)	LF	123	\$	2.15	\$	264.45	
711-11-251	6" (10-30) SKIP TRAFFIC STRIPE (YELLOW)	LF	300	\$	0.18	\$	54.00	
<b>SUBTOTAL PAVEMENT MARKING AND SIGNAGE</b>							\$	46,545.32
620-1-1	GROUNDING ELECTRODE	LF	1820	\$	11.00	\$	20,020.00	
715-1-113	LIGHTING CONDUCTORS (F&I) (No 4) Stabiloy Aluminum	LF	33075	\$	1.80	\$	59,535.00	
715-2-111	CONDUIT (3/4" PVC SCH 40) (UNDERGROUND)	LF	930	\$	12.00	\$	11,160.00	
715-2-115	CONDUIT (F&I) (UNDERGROUND) (PVC SCH 40) (2")	LF	10500	\$	13.10	\$	137,550.00	
715-14-11	PULL BOX	EA	89	\$	735.00	\$	65,415.00	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM (CONVENTIONAL)	EA	85	\$	1,639.00	\$	139,315.00	
715-511-145	LIGHT POLE COMPLETE	EA	85	\$	5,570.00	\$	473,450.00	
715-7-11	LOAD CENTER	EA	2	\$	1,298.00	\$	2,596.00	
<b>SUBTOTAL LIGHTING</b>							\$	909,041.00
	Palm Relocation Royals - Relocation Off site	EA	17	\$	800.00	\$	13,600.00	
	Palm Relocation Sabals - Relocation offsite	EA	8	\$	250.00	\$	2,000.00	
	Tree Removal	EA	5	\$	750.00	\$	3,750.00	
	Root Grinding	EA	5	\$	250.00	\$	1,250.00	
	Medium Trees -12'-16' ht.	EA	77	\$	650.00	\$	50,050.00	
	Amended Soil For New tree pits	CY	38.5		35	\$	1,347.50	
	Expand existing tree pits to 3'x6' or larger	EA	45		250	\$	11,250.00	
	Flexipave for new tree pits (18 sf each)	EA	1386		15	\$	20,790.00	
	Flexipave for Existing tree pits (18 sf each)	EA	810		15	\$	12,150.00	
<b>SUBTOTAL LANDSCAPING</b>							\$	116,187.50
	NE 2nd Avenue & 71st Street	LS	1	\$	260,000.00	\$	260,000.00	
	NE 2nd Avenue & 75th Street	LS	1	\$	260,000.00	\$	260,000.00	
	NE 2nd Avenue & 78th Street	LS	1	\$	260,000.00	\$	260,000.00	
	NE 2nd Avenue & 79th Street	LS	1	\$	20,000.00	\$	20,000.00	
	NE 2nd Avenue & 80th Terrace	LS	1	\$	260,000.00	\$	260,000.00	
	NE 2nd Avenue & 82nd Street	LS	1	\$	15,000.00	\$	15,000.00	
	NE 2nd Avenue & 84th Street	LS	1	\$	55,000.00	\$	55,000.00	
<b>SUBTOTAL SIGNALIZATION</b>							\$	1,130,000.00
	Furnish and Install 12-inch DIP Water Main	LS	1	\$	350,940.00	\$	350,940.00	
<b>SUBTOTAL GENERAL</b>							\$	6,677,815.62
	<b>CONTINGENCY FUND (10% OF SUBTOTAL GENERAL)</b>	LS	1			\$	667,781.56	
<b>SUB-TOTAL CONSTRUCTION</b>							\$	7,345,597.18
102- 1	MAINTENANCE OF TRAFFIC (2%)	LS	1	\$	133,556.31	\$	133,556.31	
	PERMIT ALLOWANCE (PWWM)	LS	1	\$	18,000.00	\$	18,000.00	
	PERMIT ALLOWANCE (WASD)	LS	1	\$	11,565.15	\$	11,565.15	
101-1	MOBILIZATION	LS	1	\$	100,167.23	\$	100,167.23	
<b>TOTAL CONSTRUCTION</b>							\$	7,608,885.88

SBE-CONST  
PAVEMENT  
MARKING  
& SIGNAGE  
\$ 46,545.32  
0.6%

SBE-CONST  
LANDSCAPING  
\$ 116,187.50  
1.6%

Legend:  
AS Assembly  
AC Acres  
CY Cubic Yards  
EA Each  
GM Gross Mile  
LF Linear Feet  
LS Lump Sum  
NM Net Mile  
SY Square Yards  
TN Tons