

Memorandum



Date: July 9, 2014

To: Lester Sola, Director
Internal Services Department

From: Alina Hudak, Deputy Mayor and Interim Director
Public Works and Waste Management Department

Subject: Recommendation for Non-exclusive Professional Services Agreement for Roadway Improvements to West Dixie Highway from NE 164 Street to NE 173 Street. Contract No. E14-PW-01, Project No. 20140020

Your assistance in reviewing this request and forwarding the attached recommendation to the Division of Small Business Development (SBD) for consideration is respectfully requested. It is recommended that SBD review the attached request for Community Business Enterprise (CBE) measures for this project, in order to proceed with the advertisement and subsequent bidding of the project.

Professional Services Agreement (PSA) for Roadway Improvements of West Dixie Highway from NE 164 Street to NE 173 Street: The Miami-Dade County Public Works and Waste Management Department needs to establish a non-exclusive Professional Services Agreement (PSA), to provide professional engineering design services and preparation of complete construction plans, to include master planning and public involvement, for the widening of the existing roadway from two (2) lanes to a four (4) lane divided roadway. The proposed improvements include, but are not limited to: raised landscape medians, bicycle lanes, sidewalks, curb & gutter, signalization improvements, pavement markings and signing, roadway lighting, continuous storm drainage system, replacement and widening of the existing bridge crossing over the Snake Creek Canal, and right-of-way acquisition. Additionally, services include environmental permitting, construction administration services and all necessary incidental items for a complete project. Funding for this project will be provided by the District 3, Road Impact Fee fund. The project length is approximately 0.70 miles.

A/E Technical Certification Categories required:

TC No.	Description	Percentage	Amount
3.02	Highway Design (PRIME)	50%	\$ 240,000.00
3.03	Bridge Design	15%	\$ 72,000.00
3.09	Signing, Pavement Marking & Channelization	7%	\$ 33,600.00
3.10	Lighting	6%	\$ 28,800.00
3.11	Signalization	6%	\$ 28,800.00
10.01	Storm Water Drainage Design Engineering (PRIME)	16%	\$ 76,800.00
	Total Estimated Professional Fees	100%	\$ 480,000.00

The prime consultant must hold Technical Certifications 3.02 – Highway Design – 10.01 - Storm Water Drainage Design Engineering. The prime Consultant needs to have at least five (5) years of experience as a prime consultant in the design of major roadway projects. Interested Professional Firms (Consultants) shall be certified by the County at the time of qualifications submittal in the Technical Certification Categories identified above.

Lester Sola
Director
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The CBE Goal recommendation is 7.00%. The Agreement will be in the approximate amount of \$480,000.00, which includes a 10% contingency, and shall remain in effect for a total of three (3) years after its date of execution or until completion of all phases, whichever occurs last.

Should you have any questions, please feel free to contact Mr. Antonio Cotarelo, P.E., County Engineer at (305) 375-2788.

Attachment

**MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT
HIGHWAY DIVISION**

am: 06/14/2013

West Dixie Highway from NE 164 Street to NE 173 Street (4-9-2014)

OPINION OF PROBABLE COST OF CONSTRUCTION: MAY 2013 "PWD UNIT PRICES"

NEW CONSTRUCTION FOR ONE (0.70) MILE OF ROADWAY (80' R/W SECTION WITH 4 TRAVEL LANES+ RAISED MEDIAN)

ITEM NUMBER	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
102-1	1	LS	MAINTENANCE OF TRAFFIC (5% of Budget)	\$179,964.99	\$179,964.99
110-1	1	LS	CLEARING AND GRUBBING (10% of Budget)	\$359,929.98	\$359,929.98
120-1	12,046	CY	REGULAR EXCAVATION	\$6.80	\$81,913.48
120-4	0	CY	SUBSOIL EXCAVATION	\$7.70	\$0.00
120-6	14,236	CY	EMBANKMENT	\$14.70	\$209,273.61
160-4	31,170	SY	TYPE B STABILIZATION	\$3.40	\$105,976.64
200-1-2	28,911	SY	LIMEROCK BASE (8" PRIMED)	\$11.50	\$332,475.35
327-70-1	0	SY	MILLING EXISTING ASPHALT PAVEMENT (1" AVERAGE DEPTH)	\$3.10	\$0.00
334-2-13-2	2,891	TON	ASPHALTIC CONCRETE TYPE SP-12.5 (2")	\$110.00	\$318,021.00
337-8-32	1,590	TON	ASPHALTIC CONCRETE TYPE FC-5 (1")	\$117.00	\$186,030.00
425-2-41	13	EA.	MANHOLE (TYPE P-7T)	\$3,000.00	\$39,000.00
425-1-610	25	EA.	INLET TYPE P-5, 6, 10	\$2,500.00	\$62,500.00
425-1-908	2	EA.	SPECIAL STRUCTURE WITH WEIR AND BAFFLE (>10')	\$13,500.00	\$27,000.00
430-171-23	949	L.F.	PIPE CULVERT (15" SS)	\$47.00	\$44,603.00
443-70-36	3,696	L.F.	EXFILTRATION DRAIN (36" PIPE)	\$136.00	\$502,656.00
520-1-10	8,131	L.F.	CONCRETE CURB AND GUTTER (TYPE F)	\$15.70	\$127,656.70
522-1	5,420	S.Y.	CONCRETE SIDEWALK (4" THK)	\$30.50	\$165,310.00
522-2	0	S.Y.	CONCRETE SIDEWALK (6" THK)	\$36.50	\$0.00
575-1-1	9,690	S.Y.	SODDING	\$3.60	\$34,884.00
600	3	PI	SIGNALIZATION	\$300,000.00	\$900,000.00
711	0.70	MI	MARKING & SIGNAGE	\$60,000.00	\$42,000.00
715	0.70	MI	LIGHTING	\$600,000.00	\$420,000.00
B-400 & 500	1	LS	BRIDGE	\$3,088,172.00	\$3,088,172.00
	1	LS	TREE PLANTING ALLOWANCE	\$0.00	\$0.00
	0.70	MI	BITUMINOUS MATERIAL ADJUSTMENT	\$15,000.00	\$10,500.00
	1	LS	PERMITS ALLOWANCE	\$10,000.00	\$10,000.00
	1	LS	OFF-DUTY LAW ENFORCEMENT OFFICER	\$30,000.00	\$30,000.00
			SUB-TOTAL		\$7,277,866.75
			MISC. CONTINGENCY (10%)		<u>\$727,786.67</u>
			SUB-TOTAL CONSTRUCTION		\$8,005,653.42
			CEI (10%)		<u>\$800,565.34</u>
			TOTAL CONSTRUCTION		\$8,806,218.76
			DESIGN (6%)		\$480,339.21
			LAND SURVEYING (\$30,000/mile)		<u>\$21,000.00</u>
			GEOTECHNICAL (\$13,000/mile)		<u>\$9,100.00</u>
			PROJECT MANAGEMENT (2%)		\$160,113.07
			AERIAL PHOTOGRAPHS		<u>\$6,000.00</u>
			PE TOTAL		\$676,552.28
			PROJECT TOTAL		\$9,476,771.04
			SAY		\$9,476,771.04

PROJECT WILL REQUIRE SOME R/W ACQUISITION

1). ON THE EAST SIDE OF NE 22 AVE. FROM APPROXIAMETLY NORTH OF NE 165 ST. TO NE 167 ST. NEED 30' OF R/W.

2) ON NE 22 AVE. FROM NE 164 STREET TO NE 165 ST. NEED 5' OF R/W.