

# Memorandum



**Date:** July 9, 2014

**To:** Lester Sola, Director  
Internal Services Department

**From:** Alina T. Hudak  
Deputy Mayor and Interim Director  
Public Works and Waste Management

**Subject:** Recommendation for Non-exclusive Professional Services Agreement for NW 97 Avenue from NW 58 Street to NW 70 Street, Contract No. E14-PW-03, Project No. 20140032

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 NW 97 Avenue from NW 58 Street to NW 70 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: sidewalks, curb and gutters, bike lanes, continuous storm drainage system, pavement markings and signage, signalization, and lighting. Services include environmental permitting, and construction administration services. Funding for this project will be provided by the Road Impact Fee (RIF) District 01 fund. The project length is approximately 0.75 miles.

A/E Technical Certification Categories required:

TC No.	Description	Percentage	Amount
3.02	Highway Systems – Highway Design (Prime)	64%	\$ 160,000.00
10.01	Environmental Engineering – Storm Water Drainage Design Engineering (Prime)	18%	\$ 45,000.00
<b>3.04</b>	<b>Highway Systems – Traffic Engineering Studies</b>	<b>2%</b>	<b>\$ 5,000.00</b>
<b>3.09</b>	<b>Highway Systems – Signing, Pavement Markings, and Channelization</b>	<b>6%</b>	<b>\$ 15,000.00</b>
3.10	Highway Systems – Lighting	7%	\$ 17,500.00
3.11	Highway Systems - Signalization	3%	\$ 7,500.00
<b>Total Estimated Professional Fees</b>		<b>100%</b>	<b>\$ 250,000.00</b>

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

The CBE Goal recommendation is 8.00%. The Agreement will be in the approximate amount of \$250,000.00, which includes a 10% contingency, and shall remain in effect for three (3) years or until completion of all project 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**

fm: 06/09/2014

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

**ROADWAY IMPROVEMENTS: NW 97 AVENUE FROM NW 58 STREET TO NW 70 STREET (0.75 MILE)**

**NEW CONSTRUCTION FOR 0.75 OF A 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)	\$161,685.35	\$161,685.35
110-1	1	LS	CLEARING AND GRUBBING (10% of Budget)	\$323,370.69	\$323,370.69
120-1	23,232	CY	REGULAR EXCAVATION	\$6.80	\$157,977.60
120-4	0	CY	SUBSOIL EXCAVATION	\$7.70	\$0.00
120-6	12,423	CY	EMBANKMENT	\$14.70	\$182,618.10
160-4	37,268	SY	TYPE B STABILIZATION	\$3.40	\$126,711.20
200-1-2	34,848	SY	LIMEROCK BASE (8" PRIMED)	\$11.50	\$400,752.00
327-70-1	0	SY	MILLING EXISTING ASPHALT PAVEMENT (1" AVERAGE DEPTH)	\$3.10	\$0.00
334-2-13-2	3,833	TON	ASPHALTIC CONCRETE TYPE SP-12.5 (2")	\$110.00	\$421,630.00
337-8-32	1,917	TON	ASPHALTIC CONCRETE TYPE FC-5 (1")	\$117.00	\$224,289.00
425-2-41	13	EA.	MANHOLE (TYPE P-7T)	\$3,000.00	\$39,000.00
425-1-610	26	EA.	INLET TYPE P-5, 6, 10	\$2,500.00	\$65,000.00
430-171-23	911	L.F.	PIPE CULVERT (15" SS)	\$47.00	\$42,817.00
443-70-36	3,960	L.F.	EXFILTRATION DRAIN (36" PIPE)	\$136.00	\$538,560.00
520-1-10	10,560	L.F.	CONCRETE CURB AND GUTTER (TYPE F)	\$15.70	\$165,792.00
522-1	5,280	S.Y.	CONCRETE SIDEWALK (4" THK)	\$30.50	\$161,040.00
522-2	0	S.Y.	CONCRETE SIDEWALK (6" THK)	\$36.50	\$0.00
575-1-1	13,200	S.Y.	SODDING	\$3.60	\$47,520.00
600	0.55	PI	SIGNALIZATION	\$300,000.00	\$165,000.00
711	0.75	MI	MARKING & SIGNAGE	\$60,000.00	\$45,000.00
715	0.75	MI	LIGHTING	\$600,000.00	\$450,000.00
B-400 & 500	1	LS	BRIDGE	\$0.00	\$0.00
	1	LS	TREE PLANTING ALLOWANCE	\$30,000.00	\$30,000.00
	0.75	MI	BITUMINOUS MATERIAL ADJUSTMENT	\$15,000.00	\$11,250.00
	1	LS	PERMITS ALLOWANCE	\$20,000.00	\$20,000.00
	1	LS	OFF-DUTY LAW ENFORCEMENT OFFICER	\$20,000.00	\$20,000.00
			<b>SUB-TOTAL</b>		<b>\$3,800,012.94</b>
			<b>MISC. CONTINGENCY (10%)</b>		<b>\$380,001.29</b>
			<b>SUB-TOTAL CONSTRUCTION</b>		<b>\$4,180,014.23</b>
		<b>CEI (10%)</b>			<b>\$418,001.42</b>
			<b>TOTAL CONSTRUCTION</b>		<b>\$4,598,015.65</b>
			<b>DESIGN (6%)</b>		<b>\$250,800.85</b>
			<b>AERIAL (\$10,000/mile)</b>		<b>\$7,500.00</b>
			<b>LAND SURVEYING (\$50,000/mile)</b>		<b>\$37,500.00</b>
			<b>GEOTECHNICAL (\$18,000/mile)</b>		<b>\$13,500.00</b>
			<b>PROJECT MANAGEMENT (2%)</b>		<b>\$83,600.28</b>
			<b>PE TOTAL</b>		<b>\$392,901.14</b>
			<b>PROJECT TOTAL</b>		<b>\$4,990,916.79</b>
			<b>SAY</b>		<b>\$ 5.0 MILLION</b>