

Memorandum



Date: 10/13/20

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

From:  Claudia P. Diaz, P.E., Chief
Traffic Engineering Division
Department of Transportation and Public Works

Subject: Recommendation for Non-exclusive Professional Services Agreement for Traffic Engineering Services for Department of Transportation and Public Works (Project No: E20-DTPW-01; Contract No: 20190335, 20190336, and 20190337)

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 Small Business Enterprise – Architectural/Engineering (CBE) measures for this project, in order to proceed with the advertisement and subsequent bidding of the project.

Professional Services Agreement (PSA) for Traffic Engineering Services for the Department of Transportation and Public Works: The Department of Transportation and Public Works (DTPW) requires professional services from general consulting design firm for a wide range of traffic engineering studies, schools and non-motorized studies and review, development of design plans for intersection improvements and traffic signals, traffic impact studies, MOT and design plans review, as needed to assist in executing and expediting projects in the DTPW. The qualified professional firm will be responsible for all specific phases of a project through implementation to achieve quality construction documents, cost and schedule goals.

DTPW intends to retain three (3) consultants under separate, but identical non-exclusive Professional Service Agreements (PSA). Each PSA will be for five (5) years with a maximum compensation set at \$5,000,000.00 each. No minimum amount of work or compensation will be guaranteed to the selected consultant(s).

The Consultant(s) will primarily support the Traffic Engineering Division of DTPW with the following activities: Review traffic impact studies, conduct Traffic Engineering studies as well as review of studies conducted by other consultants related to flashing school signals, traffic signals, intersection improvements and traffic calming devices. Also. site plans review county-wide. Perform traffic studies around schools for the installation of traffic control devices, including 15 MPH School Speed Zones, flashing/ pedestrian signals, and crosswalks to ensure safety, and assisting with Safe Routes to School projects. Implement Master Plan Study recommendations and manage design and construction of PTP projects. Develop construction plans, reviews plan prepared by consultants for flashing schools signals, traffic signals, intersection improvements and traffic calming devices and ensures that they comply with current code, ordinances, and design standards. Conduct surveys of geometrics and physical

characteristics of intersections and roadway segments for the development of construction plans for various traffic control and calming devices. Develop construction plans and cost estimates for the installations of traffic control and calming device including roadway improvements. Provide traffic reviews for all new roadway construction projects and traffic engineering studies. Provide field support to the Construction Division in order to resolve utility conflicts. Provide drafting support in the development of projects by other sections within the Traffic Engineering Division. Provide traffic data collection support for 24-hour and 72-hour traffic counts, turning movement and Pedestrian counts to monitor trends throughout the Miami-Dade County. Provide traffic counts for planning new facilities, timing and refining of signal operation, selection of optimum traffic control, transit plans, development needs, and highway design.

DTPW may request Consultant(s) services on an as-needed basis through the issuance of Work Orders for the required work to be performed and the estimated fees to be paid for the services authorized pursuant to the Scope of Services. Services to be provided by the Consultant(s) will be initiated and completed as directed by DTPW's Project Manager for each assignment authorized under this agreement. There is no guarantee that any or all the services described in this agreement will be assigned during the term of the agreement. No minimum amount of work or compensation will be guaranteed to the selected Consultant(s). Further, the Consultant(s) is providing these services on a nonexclusive basis. DTPW, at its sole discretion, may elect to have any of the services set forth herein performed by other Consultant(s) or DTPW staff.

The Consultant firm(s) selected to perform services under Contract No: 20190335, 20190336, and 20190337 will not be eligible for award of the construction phase of the services under this contract.

This contract may be awarded to multiple consultants.

A/E Technical Certification Categories required:

Technical Certifications		Est. Cost	% of Item to Base Bid
3.02B	MINOR HIGHWAY DESIGN (PRIME)	\$7,500,000.00	50.0%
3.04	TRAFFIC ENGINEERING STUDIES (PRIME)	\$1,650,000.00	11.0%
16.00	GENERAL CIVIL ENGINEERING (PRIME)	\$2,625,000.00	17.5%
3.05	TRAFFIC COUNTS	\$150,000.00	1.0%
3.06	TRAFFIC CALMING	\$300,000.00	2.0%
3.07	TRAFFIC SIGNAL TIMING	\$225,000.00	1.5%
3.08	INTELLIGENT TRANSPORTATION SYSTEMS ANALYSIS, DESIGN AND IMPLEMENTATION	\$75,000.00	0.5%
3.09	SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	\$375,000.00	2.5%
3.10	LIGHTING	\$300,000.00	2.0%
3.11	SIGNALIZATION	\$450,000.00	3.0%
9.01	DRILLING, SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES	\$75,000.00	0.5%

9.02	GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES	\$150,000.00	1.0%
9.03	CONCRETE AND ASPHALT TESTING SERVICES	\$75,000.00	0.5%
10.01	STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	\$225,000.00	1.5%
11.00	GENERAL STRUCTURAL ENGINEERING	\$150,000.00	1.0%
15.01	LAND SURVEYING	\$225,000.00	1.5%
15.03	UNDERGROUND UTILITY LOCATION	\$300,000.00	2.0%
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	\$150,000.00	1.0%
Total		\$15,000,000.00	100.0%

The prime consultant must hold Technical Certifications 3.02B – Minor Highway Design, 3.04 – Traffic Engineering Studies, and 16.00 – General Civil 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 prime consultant should demonstrate experience with at least two previously designed projects with similar scope and value.

The SBE-A/E Goal recommendation is 21.5%. The Agreement will be in the approximate amount of \$15,000,000.00, which includes contingency, and shall remain in effect for a period of three (3) years after its date of execution or until completion of all project phases, whichever occurs last.

Should you have any questions, please feel free to contact Ms. Yamilet Senespleda, P.E., Traffic Manager, Traffic Engineering Division at (305) 375-2746.

Attachment

cc: Darlene M. Fernandez, P.E. Assistant Director, Traffic Engineering Division DTPW
Yamilet Senespleda, P.E., Manager, Traffic Engineering Division, DTPW
William Salazar, Project Manager, Traffic Engineering Division, DTPW