

**Date:** October 15, 2020

# Memorandum



**To:** Gary Hartfield, Director  
Small Business Development Division

**From:** Monique Perez, PROS Contracts Administrator  
Parks, Recreation and Open Spaces Department

**Subject:** Notice of Professional Services – Goal Memo  
Request to Advertise for Parks, Recreation and Open Spaces (PROS) Professional Services Agreement (PSA) for Rickenbacker Causeway Bond Engineering Services, located within Commission District 7. Project No: E21-PROS-01

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The Parks, Recreation and Open Spaces Department (PROS) is recommending a 16.00% Small Business Enterprise (SBE) participation goal. The cost for the Rickenbacker Causeway Bond Engineering Services, non-exclusive Professional Services Agreement (PSA) is for a maximum compensation of two millions two hundred thousand dollars (\$2,200,000), for an effective term of five (5) years after its date of execution or until completion of all project phases, whichever occurs last, unless terminated by mutual consent of parties hereto.

## **BACKGROUND**

The Rickenbacker Causeway consists of approximately 1.2 miles of bridge structures – the West Bridge, the William Powell Bridge, and the Bear Cut Bridge and approximately 2.4 miles of roadway built on dredged fill with a toll facility at the western terminus. It has been operated as a toll road since its original opening in 1947 and is currently a one-way tolling facility. In 2015 the Causeways, identified essentially as linear parks that serve as greenways connecting our community were transferred to PROS who operates over 272 parks and manages over 13,000 acres of land.

## **PROJECT DESCRIPTION**

Miami-Dade County Parks, Recreation and Open Spaces Department (PROS) has the need to establish one (1) non-exclusive Professional Services Agreement (PSA) to provide professional bond engineering services from one (1) qualified consultant to fulfill and perform the services of a bond engineer as set forth in Bond Ordinance No. 13-110, Sections 208, 405, 510, 702, 704, and 712. The services of a bond engineer (Engineer) are required as part of each bond agreement and associated financing documents. The independent Consulting Engineer is required to act on behalf of the bond-holders to execute a scope of service that consists of the following:

- Perform Traffic Engineering Consulting Services and review of the Rickenbacker Causeway's toll revenue transactions and capabilities, engineering decisions, and future plans.
- Review annual facility inspection reports (2019) of all the Rickenbacker Causeway and related facilities as identified in Exhibit A.
- The Consulting Engineer shall prepare, when requested by the Department, the certificate required in Section 208 (a) (i) of Bond Ordinance No.13-110 in accordance with the requirements of such subsection (a); and the (ii) report described in Section 501 of said Bond Ordinance.

- Make recommendations for remedial action, if warranted, after each inspection of the Rickenbacker Causeway facilities identified in Exhibit A.
- Perform annual inspections of the physical conditions of the Rickenbacker Causeway and related facilities, and prepare separate reports of the physical condition of the roadway, bridges and toll facilities to include the following:
  - Conduct a detailed mile-by-mile visual inspection of the roadway, bridges, sidewalks, shoreline and public access beaches, drainage structures and all appurtenances thereto such as lighting, signage, pavement striping, and marking, entry and exit gates, toll plaza structures, buildings, public restrooms, and toll equipment. As a part of this inspection, photographs will be taken of problem areas that the Consulting Engineer recommends need continuous monitoring and/or corrective action.
  - Conduct, at minimum, a yearly structural inspection of bridges and submit the completed Consulting Engineer's inspection forms to PROS along with the annual report that will summarize the Consulting Engineer's opinions concerning the conditions of the facilities.
  - Inspect structures located within the Rickenbacker Causeway inventory (Exhibit A) in compliance with applicable federal regulations such as the National Bridge Inspection Standards, Code of Federal Regulations (CFR), Title 23, Part 650, Subpart C; Title XXVI, Section 335.074, Florida Statutes; State of Florida Department of Transportation Rules Chapter 14-48.0011, F.A.C., Inspection Bridges; and OSHA 29 CFR, Part 1926, Subpart C.
  - Review the latest available bridge inspection reports prepared by the Florida Department of Transportation (FDOT) and any other agency.
  - Generate recommendations, approvals, and/or certifications as required in the Bond Ordinance.
  - Conduct annual Traffic and Revenue Study of Rickenbacker Causeway.
  - Review and analyze, on a regular basis, PROS's monthly traffic revenue and expense statements for the Rickenbacker Causeway toll facility, as well as other traffic reports, information and data furnished by PROS.
  - Prepare and submit to PROS bi-yearly reports of the traffic, operation and revenue aspects of the Rickenbacker Causeway toll facility; the reports shall compare the results of the current year's operation with the previous year's operation, as well as the forecasts contained in the Official Statement of Series 2013 Bonds or successors for the toll facility.
  - Conduct an annual inspection of beach erosion on the improved beaches within the public rights of way on Hobie Island and Virginia Key and provide recommendations for corrective actions.
  - Provide expert testimony in judicial or quasi-judicial proceedings regarding toll revenues and existing or proposed revenue producing facilities.
  - Make recommendations for advisable revisions or modifications of the amount that should be deposited on an annual basis into the Renewal, Replacement, and Improvement Fund in accordance to Section 704 of the Bond Ordinance for inclusion in the Annual Budget for the bridge and toll facilities.

- Make recommendations on the amount of insurance that PROS should carry to cover replacement costs arising from damage to or destruction of part or all of the transportation facilities as defined by the Resolution in accordance with Section 706 of the Bond Ordinance and subsequent supplemental resolutions.
- Prepare a Consulting Engineer’s Report setting forth the findings by review of reports and site observations whether the Rickenbacker Causeway has been maintained in good repair and working order, as well as provide advice on proper maintenance and operation.
- Attend meetings with PROS staff, the Miami Dade County Bridge Engineer, consulting engineers, officials of the Bond Finance Committee or any other person(s) as deemed necessary by PROS upon request.
- Provide general engineering support for the Rickenbacker Causeway as needed, including, but not limited to, future bond feasibility report services, origin and destination studies, traffic surveys, financial feasibility study, and toll rate structure study.
- The consultant will report to PROS Project Manager along with the Miami Dade County Bridge Engineer.

The selected Team (Prime and Sub-Consultants) will not be eligible for award of any Construction, CEI, or work related to specific service work order.

**TECHNICAL CERTIFICATION CATEGORIES Miami-Dade County Certification**

PRIME	CODE	DESCRIPTION	%	SBD	EST \$ AMOUNT
	3.02	Highway Systems - Major Highway Design	30%		\$600,000.00
	3.03	Highway Systems - Bridge Design	40%		\$800,000.00
SUB	CODE	DESCRIPTION	%		EST. \$ AMOUNT
	3.04	Highway Systems - Traffic Engineering Studies	5%	3%	\$100,000.00
	3.09	Highway Systems - Signing, Pavement Marking, and Channelization	5%	3%	\$100,000.00
	3.12	Highway Systems - Underwater Engineering Inspections	5%		\$100,000.00
	16.00	General Civil Engineering	15%	10%	\$200,000.00
		TOTAL	100%	16%	\$2,000,000.00

**EXPERIENCE AND QUALIFICATIONS**

The Prime Consultant must hold technical certifications 3.02 and 3.03 and hold active professional registration status as required by the State of Florida.

Prime Consultant, through full time-personnel, must demonstrate a preferred minimum of five (5) years of experience as the prime consultant on similar projects with project scopes that are comparable to the Project Scope of Services for this project. A preferred minimum of three (3) of these projects must have been completed within the last ten (10) years. The Prime and/or sub-consultants must demonstrate a preferred minimum of five (5) Traffic and Revenue Studies completed for a comparable toll road with revenues in excess of \$10M annually within the last ten (10) years from the date of this solicitation.

The expertise must be met by a qualified individual(s) of the prime and/or sub-consultant firms as applicable. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level or above. The determination of the individual's qualifications and compliance with the experience and qualifications and preference stipulations shall be at the sole discretion of the County.

**Recommended SBE Participation: 16.00%**