

## **REQUEST FOR QUALIFICATIONS**

### **PROFESSIONAL AIRPORT ENGINEERING SERVICES RUNWAY 16R-34L IMPROVEMENTS PROGRAM RENO-TAHOE INTERNATIONAL AIRPORT**

The Reno-Tahoe Airport Authority (RTAA) Reno, Nevada, is seeking qualified consulting firms to provide professional engineering services for the program development, design, management, coordination, and preparation of contract documents associated with the Runway 16R-34L Improvements Program at the Reno-Tahoe International Airport (RNO).

#### **PROJECT DESCRIPTION**

This project consists of providing programming and design services for the Runway 16R-34L Improvements Program. The existing Portland Cement Concrete Pavement (PCCP) runway has deteriorated and is at the end of useful life. Runway 16R-34L is approximately 11,000 feet long by 150 feet wide and was previously rehabilitated in 1994. The runway keel (38 feet wide) reconstruction area is approximately 46,444 square yards and the outboard reconstruction area is approximately 22,000 square yards of PCCP. The project also includes reconstruction of Asphaltic Concrete (AC) shoulders for Runways 16R-34L and 16L-34R (approximately 202,000 square yards), associated runway asphalt blast pads (approximately 17,780 square yards), replacement of runway centerline, edge, threshold, and REIL lighting, replacement of Precision Approach Path Indicators (PAPI), replacement of Runway 16R Approach Lighting System (MALSR), Runway Incursion Mitigation (RIM) improvements, Magnetic Variation (Mag Var) improvements, and replacement of the East Airfield Lighting Vault (ALV) building, electrical distribution equipment, airfield lighting controls system (ALCS), utilities, and related site work.

The programming work consists of preliminary studies, ALV site selection study, facilities requirements, program development, construction sequencing, scheduling, operational constraints, coordination of environmental elements, and programmatic cost estimates. The design work consists of data gathering, field investigation, definition of design criteria, Basis of Design Report, schematic design, design development, Engineer's Report, construction documents, and contract documents for procurement of construction bids. Related services include bidding, construction support, AIP grant and reimbursable agreement (RA) coordination, administrative, and project close out services.

The construction documents shall provide for the construction of, but not limited to, removal of existing concrete and asphalt pavement, excavation, stabilizing fill, base material, utility relocation, PCCP runway pavement, AC shoulder pavement, AC blast pads, drainage improvements, airfield lighting, replacement of runway visual aids, airfield signage, markings, East Airfield Lighting Vault (ALV) building and MEP systems, airfield lighting system electrical distribution equipment and controls system, utilities, and related site work.

Specific project requirements and design features for the project will be developed in collaboration with project stakeholders, as part of the programming and design process. The program and design services shall include assessment of air carrier operations, aircraft performance, stakeholder and community outreach, coordination with the Federal Aviation Administration (FAA) and other regulatory agencies, configuration of construction contracts, construction phasing plans, and contingency plans for aircraft, military, and special event operations during construction.

The scope of services is broken down into five tasks. Task One consists of Programming to define project requirements, conduct preliminary studies, ALV site selection study, programmatic cost estimates, and FAA coordination. Upon approval of the program, Task Two involves data gathering and preparing a Basis of Design Report. The Basis of Design Report shall include a Life Cycle Cost Analysis for asphalt and concrete pavements. Upon approval of the Basis of Design, Task Three consists of the consultant generating schematic design documents, preliminary cost estimates, and an assessment of constructability. With approval by the RTAA of the schematic phase, the Consultant will conduct Task Four for design development and issuing the contract documents for bids. Task Five includes construction support and project close out services. Further description is provided below.

This project will be funded by a Federal Aviation Administration (FAA) grant, as part of the Airport Improvement Program (AIP). The estimated budget for the total program, including construction and soft costs, is \$65,000,000. The design shall be in accordance with FAA Advisory Circulars, AIP Required Contract Provisions, and other applicable federal, state, and local requirements.

### **SCOPE OF SERVICES**

The scope of services includes, but is not limited to:

Task 1 Programming - consists of preliminary studies, ALV site selection study, project requirements, program development, construction sequencing, scheduling, operational constraints, coordination of environmental elements, and programmatic cost estimates. The extent of keel section and outboard panel pavement reconstruction shall be evaluated based on current pavement and subsurface conditions. The verified pavement reconstruction quantities shall be used for revised programmatic cost estimates. The Consultant shall assist the RTAA in the coordination of program approval, AIP grant application, and reimbursable agreement activities with the FAA.

Assessment of air carrier operations, aircraft performance, stakeholder and community outreach, coordination with the Federal Aviation Administration (FAA) and other regulatory agencies shall be conducted as part of the programming stage.

Task 2 Data Gathering – Review of record information, RTAA planning documents, existing conditions, including utility infrastructure, field verification and survey of surface and subsurface improvements, geotechnical investigation, and operational requirements.

Basis of Design Report – The Consultant shall define, review, and coordinate project requirements with stakeholders and generate baseline design criteria. A Basis of Design Report shall be prepared summarizing the project requirements, Aircraft Approach Category / Airplane Design Group (AAC/ADG), aircraft fleet mix, operational, and maintenance issues, design objectives, engineering design criteria, site improvements, regulatory requirements, proposed alternates, building materials, constructability, and budgetary cost estimates. The Basis of Design report shall include a Life Cycle Cost Analysis of the design life cycle costs for asphalt and concrete pavements.

Task 3 Schematic Design – Upon approval of the Basis of Design, the consultant shall be directed to generate a schematic design. The schematic design will be the basis for design development and preparation of construction documents. The Consultant shall generate schematic design plans, a preliminary construction cost estimate, and an assessment of constructability.

Task 4 Design Development / Contract Documents – The Consultant shall perform field verification, design development, generate specification, submittal, inspection and testing requirements, final construction and contract documents, preliminary and final opinion of construction cost, Construction Safety and Phasing Plan (CSPP), and a project schedule. Periodic technical reviews, stakeholder coordination, presentations, and a pre-bid meeting will be required. Ongoing stakeholder and community outreach, coordination with the Federal Aviation Administration (FAA) and other regulatory agencies shall be conducted as part of the design development stage.

Final documents shall be issued for permits, Engineers Design Report, and construction bidding, including addenda. Multiple construction bid packages may be required, commensurate with the program schedule and AIP funding.

Task 5 Construction Support / Project Close Out – The Consultant shall provide bid evaluation services and assist in the permit process, submittal review, RFI responses, contract administration, construction observation, facility commissioning, acceptance, Final Engineers Report, record drawings, and project close out.

Program and Construction Management (PM/CM) services will be provided by others and is not a part of this solicitation. The RTAA reserves the right to negotiate additional professional consulting services with the selected firm(s) as it may deem necessary to fulfill the complete project intent.

The RTAA intends to initially retain the Consultant to conduct Task One – Programming. Based on the project requirements and related services resulting from the programming stage, the additional services and fees for design and construction support (Tasks Two through Five) will be subsequently negotiated with the Consultant. Those services may be retained by the RTAA with the Consultant by amendment to the initial agreement, or as a separate agreement with the Consultant.

## **SUBMITTAL CONTENT**

The Statement of Qualifications (SOQ) shall include the following:

### **Cover Letter**

- A cover with the name and address of the Consultant and titled “**Runway 16R-34L Improvements Program (Reno – Tahoe International Airport)**”
- A cover letter signed by the Consultant’s contact person expressing interest and capability to perform the work.
- Acknowledge compliance with the applicable DBE Policy and any related participation goals.

### **Required Information**

- Description of the team organizational structure, including a chart identifying the Project Manager, key personnel, sub consultants, and responsibilities of team members.
- SF330 Part I – Architect / Engineer Qualifications - Contract Specific Services for the team which will undertake the work, including sub consultants.

### **Supplemental Information**

- Qualifications and experience in providing engineering services for similar airport programs and projects, familiarity with airfield construction, airport facilities, aviation operations, experience with FAA design and administrative requirements.
- Experience in the design and construction of airfield facilities, airport operational requirements, and public works regulatory requirements.
- Ability to provide a local presence for client and job site activities.
- Experience with local construction methods, materials, costs, inspection, and testing methods.
- Description of specific resources to be used to provide such services.
- Ability to obtain security clearance.

## **SELECTION PROCESS**

The process is a Qualifications Based Selection (QBS) using the information contained in the Statement of Qualifications (SOQ). A selection committee from the RTAA will review the submittals. Depending upon the number and qualifications of respondents, the RTAA may select directly from the Statements of Qualifications, or may develop a shortlist of firms and invite them to interviews for final selection. The decision as to the process, timing, and selection will be at the discretion of the RTAA.

## **NONDISCRIMINATION – COMPLIANCE WITH NRS 338.125**

The Consultant, with regard to the work performed hereunder, shall not discriminate on the grounds of race, color, creed, national origin, sex, sexual orientation, gender identity or expression, or age in the selection and retention of any employee or applicant for employment, and subcontractors, including procurements of materials and leases of equipment. The Consultant shall not participate either directly or indirectly in the

discrimination prohibited by 49 C.F.R. Section 21.5 including employment practices when the Agreement covers a program set forth in appendix B of the regulations.

The following requirements apply for projects utilizing federal funding:

**DBE - RTAA DBE POLICY**

The contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate. The above assurance must be included in each subcontract the prime contractor signs with a subcontractor.

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) – FAA REQUIRED PROVISIONS**

The requirements of 49 CFR Part 26 apply to this contract. It is the policy of the Reno-Tahoe Airport Authority to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. The Owner encourages participation by all firms qualifying under this solicitation regardless of business size or ownership.

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) - PROJECT GOAL**

This contract will be funded in part by a grant from the Federal Aviation Administration, therefore the requirements of Title 49 CFR Part 26, Participation by Disadvantaged Business Enterprises in Department of Transportation Programs, applies to this contract.

The RTAA has not set a DBE participation contract goal for this project. The RTAA has set an overall FY 2018 DBE program participation race / gender neutral goal for Reno – Tahoe International Airport of 5.0%. DBE participation is encouraged to assist the RTAA in meeting its overall DBE program goal. The successful consultant will be required to submit reports providing information on DBE sub consultants as specified in the contract.

**CIVIL RIGHTS**

**Title VI Solicitation Notice:** The Reno-Tahoe Airport Authority, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

## **GENERAL INSTRUCTIONS**

The RTAA shall not be responsible for costs incurred in responding to this Request for Qualifications.

The RTAA reserves the right to reject any or all Statement of Qualifications (SOQ), to waive any informality or irregularity in any SOQ received, and to be the sole judge of the merits of the respective SOQ received.

All firms interested in this Project (including the firm's employees, representatives, agents, lobbyists, attorneys, and sub consultants) will refrain, under penalty of disqualification, from direct or indirect contact for the purpose of influencing the selection or creating bias in the selection process with any person who may play a part in the selection process. This policy is intended to create a level playing field for all potential firms and to protect the integrity of the selection process. All contact on this selection process should be addressed to the authorized representative identified below.

## **SUBMITTAL REQUIREMENTS**

Please submit six (6) copies of the Statement of Qualifications to the RTAA no later than 4:00 p.m. on January 25, 2018. Please direct all inquiries regarding this solicitation to Tony Curatolo, Senior Project Manager, at (775) 328-6461.

Address submittals to:

Tony Curatolo, P.E. / Senior Project Manager  
Runway 16R-34L Improvements Program  
(Reno – Tahoe International Airport)  
Reno-Tahoe Airport Authority  
P.O. Box 12490  
Reno, NV 89510-2490

The physical address for express deliveries is:

Reno–Tahoe Airport Authority  
2001 E. Plumb Lane  
Reno, NV 89502

In the event your firm desires additional information, the RTAA will endeavor to provide such information; however, the RTAA will not be responsible for any delay resulting in the respondent's inability to meet the deadline for submission of the Statement of Qualifications. In addition, the RTAA will not be responsible for Consultant's costs associated with preparation or submittal of the Statement of Qualifications or the selection process.

Please direct all inquiries regarding this solicitation to Tony Curatolo, Senior Project Manager at (775) 328-6461 or [tcuratolo@renoairport.com](mailto:tcuratolo@renoairport.com).

**End of Request For Qualifications**