



REGIONAL TRANSPORTATION COMMISSION

Metropolitan Planning • Public Transportation & Operations • Engineering & Construction

Metropolitan Planning Organization of Washoe County, Nevada

MEETING DATE: April 16, 2021

AGENDA ITEM 4.13

From: Brian Stewart, P.E., Director of Engineering

RECOMMENDED ACTION

Authorize a Request for Proposals (RFP) for the selection of Environmental and Design Services for the Arlington Avenue Bridges Project.

BACKGROUND AND DISCUSSION

The feasibility study for the Arlington Avenue Bridges Replacement Project is under final review. A virtual project video and survey were presented in March. As of April 1, 2021, over 350 survey responses received from the public and the online video was viewed 532 times.

The Federal Highway Administration (FHWA) will be the lead agency and federal funding has been allocated for the project. Due to permitting requirements associated with US Army Corp of Engineers and the federal funding, an Environmental Assessment (EA) is required to replace the bridges. An EA under the National Environmental Policy Act (NEPA) is a concise public document that provides sufficient evidence and analysis for determining whether FHWA should issue a Finding of No Significant Environmental Impact (FONSI) or prepare an Environmental Impact Statement (EIS). Based on information gathered from the feasibility study, a NEPA EA is the anticipated action. This comprehensive study identifies environmental impacts of replacing the bridges and analyzes a broad set of parameters, including biodiversity, environmental justice, wetlands, air and water pollution, traffic, geotechnical risks, public safety issues, and hazardous substance issues.

Once the feasibility study is complete, the NEPA and design phase of the project begins. This RFP will determine the most qualified firm to provide environmental and design services for project. The scope will include public outreach, environmental, design and permitting support to generate a final plans and specification package advertise for construction. Construction of the bridges is anticipated in 2025.

FISCAL IMPACT

NEPA and design phase appropriations for the project are included in the FY 2021 Budget.

PREVIOUS BOARD ACTION

February 19, 2021	Acknowledged receipt of the Arlington Avenue Bridges Project update
May 20, 2019	Acknowledged receipt of the Arlington Avenue Bridges Project update

November 16, 2018 Approved Professional Services Agreement (PSA) with Jacobs Engineering Group, Inc. to provide design services

June 15, 2018 Approved the FY 2019 Program of Projects

ATTACHMENT(S)

- A. Draft RFP Scope of Services
- B. Draft RFP Evaluation Factors

DRAFT

SCOPE OF SERVICES

INTRODUCTION

The Regional Transportation Commission of Washoe County (RTC), in partnership with the City of Reno, FHWA, NDOT and TRFMA, have begun the process to replace the structurally deficient Arlington Avenue Bridges over the Truckee River. The RTC completed the Arlington Avenue Bridges Project Feasibility Study which compiled input from public and technical community members, organized and monitored input from stakeholder and technical advisory meetings, and summarized the development of conceptual bridge alternatives. The study also presented order-of-magnitude construction costs for each alternative and helps to inform this scope for the next phase of the project which include environmental and engineering tasks.

This Request for Proposal (RFP) seeks to select one (1) firm for environmental services, permitting requirements, preliminary engineering, and final design of the proposed improvements. The work consists of providing environmental and professional engineering services to advance the Project through the National Environmental Policy Act (NEPA) process for the project. RTC is anticipating to use a typical design-bid-build project delivery. RTC will negotiate and enter into an agreement with the successful Consultant to complete the National Environmental Policy Act (NEPA) process, with the Federal Highway Administration (FHWA) as the Lead Agency. The scope shall include those elements necessary to complete the NEPA process, to include the 30% design of all project elements. At the completion of the NEPA process, consultant shall complete the final design of the selected alternative. RTC will advertise a new RFP to cover Construction Management Services for the construction of bridges.

The Regional Transportation Plan (RTP) currently shows construction of these improvements completed in the 2025 time period. The estimated total cost of the improvements in the 2050 RTP is \$25 million. RTC has allocated federal funds for the project and is in the process of finalizing a Local Public Agency (LPA) agreement with NDOT for administration of federal funds. All work shall be in accordance with and meet the requirements of NDOT's LPA manual, which can be accessed using the following link:

<https://www.nevadadot.com/doing-business/about-ndot/ndot-divisions/engineering/design/local-public-agency>

BACKGROUND

The Arlington Avenue Bridges Project is in Riverwalk District portion of downtown Reno. Numerous community-level plans have been developed that help to guide or direct the engineering requirements and design themes of the proposed bridge replacement project. These prior planning milestones, including the 2009 City of Reno TRAction Visioning Project, 2017 City of Reno Downtown Action Plan, 2018 ReImagine Reno-Planning for the Future, and the 2019 City of Reno Downtown Streetscape Design Manual and their stated relationship to the project are summarized within the feasibility study.

Arlington Avenue Bridges span the Truckee River in downtown Reno. The bridges connect the north side of the Truckee River to Wingfield Park to the south side of the Truckee River. The structures were built in 1921,

rehabilitated in 1967 and are identified by NDOT as bridges B-1531 (south) and B-1532 (north). Constructed as a concrete tee beam bridge, the largest span in the north bridge measures 40 feet and the total bridge length is 122 feet and 76 feet wide. The south bridge is a rigid frame structure with a clear span of 48 feet and a width of 60 feet. The bridges support an average daily traffic volume of approximately 13,000 trips. Travel across the structures includes two lanes (one lane in each direction) with a center two-way left turn lane and bike lanes.

The traffic operations of Arlington Avenue within the area of the proposed project was evaluated most recently as part of the feasibility study. The results from the study indicate that with one-lane in each direction, the roadway segment operates at a Level of Service of E during the future 2040 traffic volumes. The Arlington Avenue Bridges project traverse the City of Reno's Wingfield Park which includes green areas, an amphitheater, picnic areas, the Truckee River White Water Park, and other public park features. The Project seeks to maintain and promote connectivity to these local features while improving safety for all modes of travel.

Arlington Avenue Bridges traverse through a wide variety of geographical features, human and natural resources, water conveyances (Truckee River), and existing infrastructure. Construction of these improvements will require detailed coordination with numerous agencies and public utility entities. Several potential actions are foreseeable that would require federal agency review and become a nexus for the National Environmental Policy Act (NEPA) processes. The feasibility study identified regulatory requirements that establish the baseline for permitting requirements on the project. Agencies that will require permit coordination include, but are not limited to, United States Army Corp of Engineers, Nevada Division of Environmental Protection, and Nevada Division of State Lands.

SCOPE OF SERVICES

1. PROJECT MANAGEMENT

The CONSULTANT shall provide effective project management that will deliver the Project within established schedules and budgets; develop a project management plan that will effectively communicate, plan and execute the work required to successfully complete the project; conduct a cost and risk assessment workshop including a value engineering session and perform continuous risk assessment and evaluation techniques. In addition, the COUNSULTANT shall integrate the RTC's project manager into the project management plan, and coordinate all Project development activities with the RTC's Project Manager, and with City of Reno representatives, property owners, local and state permitting agencies, utility providers, and other stakeholders within the project area as directed. The CONSULTANT shall be responsible for scheduling, attending, preparing exhibits, and providing meeting minutes for meetings as required by the RTC. The initial Project Management tasks, activities, and deliverables are expected to include, but may not be limited to, the following:

- Kickoff, progress, and miscellaneous meetings
- Project Management Plan
- Manage critical path schedule for this scope of service
- Pre-construction and construction schedules
- Project coordination and documentation
- Risk Assessment
- Monthly progress reporting
- Quality Assurance/Quality Control

- PM support services
- Outreach support services

2. INVESTIGATION OF EXISTING CONDITIONS

The CONSULTANT will become completely familiar with the Feasibility Study and verify recommendations and conclusions included within. The CONSULTANT will obtain traffic data to update and verify the volumes identified in the Feasibility Study. Utilities within the project area will be located and assessed for possible conflicts with the proposed Project. Topographic mapping and boundary will be determined to meet design needs.

2.1 GEOTECHNICAL INVESTIGATION

The CONSULTANT will research existing geotechnical studies and reports, perform a geotechnical investigation/analysis to include a field review of existing conditions, review existing geotechnical information.

Perform all field and laboratory investigations and perform all analyses to provide complete geotechnical reports and final design for this phase of the project.

2.2 TOPOGRAPHIC SURVEY

CONSULTANT will conduct field surveys, photogrammetric mapping and office support to provide topographic design surveys for the project.

2.3 RIGHT OF WAY MAPPING AND ENGINEERING

The CONSULTANT will obtain recorded right-of-way based upon Washoe County GIS information. The right-of-way will be shown on the project plans and used as the basis for right-of-way engineering services.

CONSULTANT will perform boundary surveying including preparation of full Metes and Bounds descriptions of potentially impacted parcels. Right-of-way engineering services include, but not limited to, exhibit maps, legal descriptions, and title reports for permanent and/or temporary construction easements on each parcel.

2.4 SUBSURFACE UTILITIES

CONSULTANT will investigate and locate subsurface utilities within the bridge alignment, roadway R/W, and areas reasonably effected, in accordance with the American Society of Civil Engineers Standard guideline for the Collection and Depiction of Existing Subsurface Utility Data, Quality Level C. Additionally, CONSULTANT will coordinate with Utility Owners to remove lids of surface features and document depth of utility device, or invert of pipe, within such surface features.

Based on field investigation, CONSULTANT will provide RTC a list of utility companies whose utilities are likely to be within the project limits or reasonably affected by the project. RTC will issue the initial notification to the utility agencies on the list and CONSULTANT will coordinate with the utility agencies for upcoming work, facility relocation and new installation, and to insure utilities likely affected by the project are drawn on the plan and profile, evaluate potential conflicts through field investigation, investigate conflict resolution strategies.

2.5 EXISTING HYDROLOGY

The CONSULTANT will review hydrology of the Truckee River within the impact area of the Arlington Avenue Bridges project. CONSULTANT will incorporate hydraulic analysis performed as part of Feasibility Study and identify engineering solutions that reduce flood hazard and facilitates project construction. CONSULTANT will provide hydraulic analysis necessary to secure permits and regulatory approval for project implementation.

3. PRELIMINARY DESIGN

The CONSULTANT shall be responsible for evaluating and further developing the recommended improvements identified in the Arlington Avenue Bridges Feasibility Study within the project limits. Preliminary engineering tasks, activities, and deliverables are expected to include, but may not be limited to, the following:

- Reevaluation of Recommended improvements identified in the Feasibility Study
- Development of Preliminary (30%) Plans
- Hydraulic Analysis
- Identify right-of-way needs
- Prepare conceptual construction cost estimate
- Recommend construction packaging

4. ENVIRONMENTAL STUDIES, DOCUMENTATION, AND SUPPORT SERVICES

Depending upon the preliminary engineering outcome, the CONSULTANT shall provide environmental services up to and including completion of the National Environmental Policy Act (NEPA) process. It is anticipated at this time an Environmental Assessment will be required. CONSULTANT will identify foreseeable potential actions that would require federal agency review and provide recommendations as to the potential project development considerations that may be encountered.

The Truckee River is designated “Waters of the United States” and is therefore under the jurisdiction of the US Army Corps of Engineers (and the Carson-Truckee Water Conservancy District as the local sponsor). Work elements within the designated limits of the drainage way will require coordination with the Army Corp and likely a Section 404 permit for wetland modifications. US Army Corp of Engineers permit are a federal nexus.

The environmental tasks, activities, and deliverables provided by the CONSULTANT include, but may not be limited to, the following:

- Data collection and field investigation

- NEPA coordination with NDOT and resource agencies
- Preparation of a NEPA document
- NEPA studies and technical reports for the following:
 - Air Quality
 - Noise
 - Biological
 - Threatened and Endangered Species
 - Hazardous Materials
 - Land Use
 - Floodplains and Water Resources/Quality
 - Geology, Soils, and Paleontology
 - Cultural Resources (Section 106)
 - Native American Religions Concerns
 - Section 4(f) Properties
- Regulatory coordination and permitting with US Army Corps of Engineers, Nevada Division of Environmental Protection, Nevada Division of State Lands

5. FINAL DESIGN

CONSULTANT shall prepare Final Construction Plans and Technical Specifications and provide technical support and coordination with the RTC to successfully finalize the design and prepare a cost effective construction bid package. Design shall meet local and federal standards and requirements.

Final Construction Plans and Technical Specifications shall be in accordance with RTC's standards and requirements. Structural design will be in accordance with the AASHTO LRFD Bridge Design Specifications and the NDOT Structures Manual.

Provide design and cost estimates and type selection analysis for project drainage structures, grade separations or retaining wall as required. Preparation of final structural plans, specifications and estimates of structures, retaining walls noise barriers and drainage structures..

The Final Design tasks, activities, and deliverables provided by the CONSULTANT include, but may not be limited to, the following:

- Prepare plans, construction estimates and specifications to deliver a complete project. Develop all plans and estimates according to RTC procedures. Coordinate with RTC to produce plans, construction estimates and breakouts.
- Submit progress plans at 60% and 90% completion. Provide specification notes for any special items of work or phasing of construction to be included in the Special Provisions.
- Provide technical support and coordination to successfully complete all permitting requirements
- Regular review meetings
- Plan Production and Distribution
 - Provide 100% Design Plans, Specifications, and Engineer's Estimate
- Prepare, compile, and support RTC to generate final bid documents for Design-Bid-Build construction contractor procurement

- Support RTC with bid related services during pre-bid meeting and responses to questions during bidding

6. PUBLIC AND AGENCY INVOLVEMENT

The CONSULTANT will develop a Public Outreach and Involvement Plan that outlines specific objections, organization and roles of stakeholders, and definition and schedule of target activities to accomplish the objectives of the Project.

Public Informational Meetings will be held with residents, property owners adjacent to the project, stakeholders, and other members of the public to discuss project limits, scope, tentative schedule, access, public notification requirements, and concerns of adjacent properties.

Public involvement and outreach activities to communicate proposed Project improvements to residents and stakeholders, include, but not limited to, the following:

- Public Outreach and Involvement Plan
- Public Information Meetings
- Individual property owner meetings
- Commissions, Councils, and Boards
- Local and State Agencies

Assemble and manage a project stakeholder group (including but not limited to above groups) to develop and implement an aesthetics plan that is sustainable and meets the community goals which will be developed by the CONSULTANT in cooperation with the local agencies and project stakeholders.



DRAFT EVALUATION/SCORING SHEET

RFP IDENTIFICATION #21-30

Proposer Name: _____

Numerical Values for Scoring: Excellent = 90-100, Very Good = 80-89, Good = 70-79, Unacceptable = 0-69.

Evaluation Factor	Weighting (%)	Max Points	Pre-Consensus Meeting Score	Consensus Meeting Revised Score (if applicable)	Final Post-Interview Revised Score (if applicable)	Descriptions of Strengths/Weaknesses and Explanations of Revised Scores (if any)
<p>Factor 1 – Project Approach: Proposer’s approach to identify and implement the project requirements in the Scope of Services. a) Identify and describe specific methods used to complete each project requirement (specific to project).</p>	<p>30%</p>	<p>100</p>	<p>Score: Weighted Points:</p>	<p>Score: Weighted Points:</p>	<p>Score: Weighted Points:</p>	<p>Strength(s): Weakness(es): Explanation of Revised Score(s) (if any):</p>

Evaluation Factor	Weighting (%)	Max Points	Pre-Consensus Meeting Score	Consensus Meeting Revised Score (if applicable)	Final Post-Interview Revised Score (if applicable)	Descriptions of Strengths/Weaknesses and Explanations of Revised Scores (if any)
<p>Factor 2 – Key Staff Capabilities:</p> <p>a) Provide an organizational chart of the Project Team, including sub-consultant(s), and the responsibilities of the team members;</p> <p>b) List personnel with their years of experience, length of time with their current firm, education, experience, capabilities, and strengths related to their role on this project.</p> <p>c) State the license(s) and certification(s) of the firm and/or individuals.</p> <p>d) Demonstrate the capacity of the Project Team to meet the needs of the project. Consider the prime consultant’s and sub-consultant’s depth of staffing and other resources.</p>	20%	100	Score: Weighted Points:	Score: Weighted Points:	Score: Weighted Points:	<p>Strength(s):</p> <p>Weakness(es):</p> <p>Explanation of Revised Score(s) (if any):</p>
<p>Factor 3 – Project Understanding:</p> <p>a) Describe the Project Team’s understanding of the project and associated requirements contained in Exhibit A - Scope of Services.</p>	20%	100	Score: Weighted Points:	Score: Weighted Points:	Score: Weighted Points:	<p>Strength(s):</p> <p>Weakness(es):</p> <p>Explanation of Revised Score(s) (if any):</p>
<p>Factor 4 - Project Manager Capabilities:</p>	20%	100	Score: Weighted Points:	Score: Weighted Points:	Score: Weighted Points:	<p>Strength(s):</p> <p>Weakness(es):</p> <p>Explanation of Revised Score(s) (if any):</p>

Evaluation Factor	Weighting (%)	Max Points	Pre-Consensus Meeting Score	Consensus Meeting Revised Score (if applicable)	Final Post-Interview Revised Score (if applicable)	Descriptions of Strengths/Weaknesses and Explanations of Revised Scores (if any)
<p>Factor 5 – Firm Experience: Briefly describe relevant projects completed by the Project Team by providing the following information for each relevant project:</p> <p>a) Project owner and reference (include name, current phone number, and title/role during the project);</p> <p>b) Description of the services provided by the Project Team on each project;</p> <p>c) List the Project Team members that worked on each project and their role on the project;</p> <p>d) Dates the services were provided, if the services were provided on schedule and a brief description of any schedule issues;</p> <p>e) Original agreement cost for services and a brief description of any amendments;</p> <p>f) Describe the notable successes with the services.</p>	10%	100	Score: Weighted Points:	Score: Weighted Points:	Score: Weighted Points:	Strength(s): Weakness(es): Explanation of Revised Score(s) (if any):
TOTAL:	100%	100				

Name of Evaluator (print): _____

Employer: _____

Signature of Evaluator: _____

Date: _____