

STAFF REPORT

Date: November 20, 2024

To: Mayor and City Council

Through: Jackie Bryant, Interim City Manager

Subject: Staff Report (For Possible Action): Discussion, selection of lighting fixture model, and award of contract to Titan Electrical Contracting, Inc. for the Truckee River Path Lighting Project in an amount not to exceed \$1,002,100. (ARPA Fund)

From: Justin George, Senior Civil Engineer

Department: Public Works

Summary:

Council allocated \$2,770,373 of State and Local Fiscal Recovery Funds (SLFRF) for the Truckee River Vision Plan and the implementation of improvements. On June 5, 2024, the Council approved the purchase and contracts for improvements and designs along the Truckee River Corridor which included: a painting refresh of various railings and infrastructure along the Riverwalk and Truckee River from Virginia Street to Arlington Avenue, design of a cantilever path east of Lake Street, the widening of the existing path along Riverside Drive, and the safety lighting upgrades adjacent to the Truckee River. As a condition of the Council approval on June 5, 2024, the Council requested that staff bring back the final cost and location of the lighting upgrades adjacent to the Truckee River path from Booth Street along Riverside Drive to Arlington Avenue and east of Lake Street to the end of Fisherman's Park.

This item includes nearly two miles of lighting upgrades and approximately 123 new lighting fixtures along the Truckee River Path and addresses the first goal of the Truckee River Vision Plan established by stakeholders, public and Council, which is to provide consistent lighting throughout the corridor, particularly to address safety concerns through downtown and east of downtown.

Public Works staff coordinated with Maintenance and Operations and Parks Maintenance staff to identify the type of lighting upgrades and repairs needed to improve lighting levels and reduce vandalism along the Truckee River Path. To provide accurate project costs to present to Council, staff conducted a public bid in October 2024. Three bids were received and opened on October 22, 2024. Titan Electrical Contracting, Inc. submitted the best bid pursuant to the requirements

established in Nevada Revised Statutes (NRS) Chapter 338.147 and Code of Federal Regulations. As with several other recent bids, the bid costs came in below the engineers estimate and all four segments are within the allocated amount. Staff recommends awarding this contract for lighting upgrades. The ARPA funds are required to be awarded to a project before December 31, 2024.

Staff recommends Council select the traditional bell style or modern round style light fixture and award the contract to Titan Electrical Contracting, Inc. in an amount not to exceed \$1,002,100 for the Truckee River Path Lighting project, which includes \$250,000 in project contingency for unforeseen issues during construction.

Construction is anticipated to begin in December 2024.

Alignment with Strategic Plan:

Public Safety

Arts, Parks, and Historical Resources

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

September 25, 2024: Council accepted the Truckee River Vision Plan with direction to staff to pursue project opportunities outlined in the implementation plan including but not limited to safety, water and ecological systems, mobility and connectivity, parks and open space, land use and design, and public art.

June 5, 2024: Council approved recommendations for Truckee River ARPA Improvements and requested staff to return to council with the final cost and location of the lighting upgrades adjacent to the Truckee River path from Booth Street along Riverside Drive to Arlington Avenue and east of Lake Street to the end of Fisherman's Park.

October 25, 2023: Council approved staff to work with consultants to develop the Truckee River Vision Plan, including initial recommendations for \$2,770,373 in SLFRF for the Truckee River Corridor.

March 8, 2023: Council approved the allocation of the remaining \$28,150,044.97 in SLFRF received through ARPA on May 19, 2021, including possible allocation to specific projects identified through the public, Council, and staff engagement process or general spending categories identified by Council as a priority for fund allocation by December 31, 2024.

Background:

On March 8, 2023, Council approved \$3 million in State and Local Fiscal Recovery Funds

(SLFRF) received through the American Rescue Plan Act (ARPA) to invest in the Truckee River Experience. The purpose of the ARPA funding allocated to the Truckee River is for activation, infrastructure, and maintenance improvements.

Staff brought the Truckee River ARPA Improvements Plan to Council on June 5, 2024. Council requested the Riverside Drive lighting project return with lighting options and costs that included opportunities for continuity to the east of downtown. The river path from Booth Street at Riverside Drive Park to the east at Fisherman’s Park is lined with streetlights that range in condition from poor to good. Four distinct sections of lighting repairs along the river path were identified based on differing levels of upgrades and repairs needed to improve lighting levels along the river path. Some of the conditions identified were based on age of the lights, as each segment was installed at different times, and due to damage or vandalism. Staff investigated the condition of lights along the different segments of the river path and have bid a project for lighting upgrades using \$1.3 million APRA budget allocated for Truckee River Corridor improvements.

Discussion:

Four segments are identified along the Truckee River Path from Riverside Drive to Fisherman’s Park that needs need lighting repairs and/or replacements. The scope of each segment is described below:

Segment 1

This segment of river path lighting is along Riverside Drive Park from Booth Street to Ralston Street. The segment includes approximately thirty-seven lights along the riverside walking path. The current lighting in Riverside Drive Park is an ornamental globe style that shines light in all directions and including upwards into the night sky and do not meet illumination levels for pathway lighting. The existing light assemblies in this segment will be upgraded with new LED light assemblies that are downward facing. The image below shows the light pattern at ground level, each magenta-colored outlined area indicates the amount of light provided by each light pole.

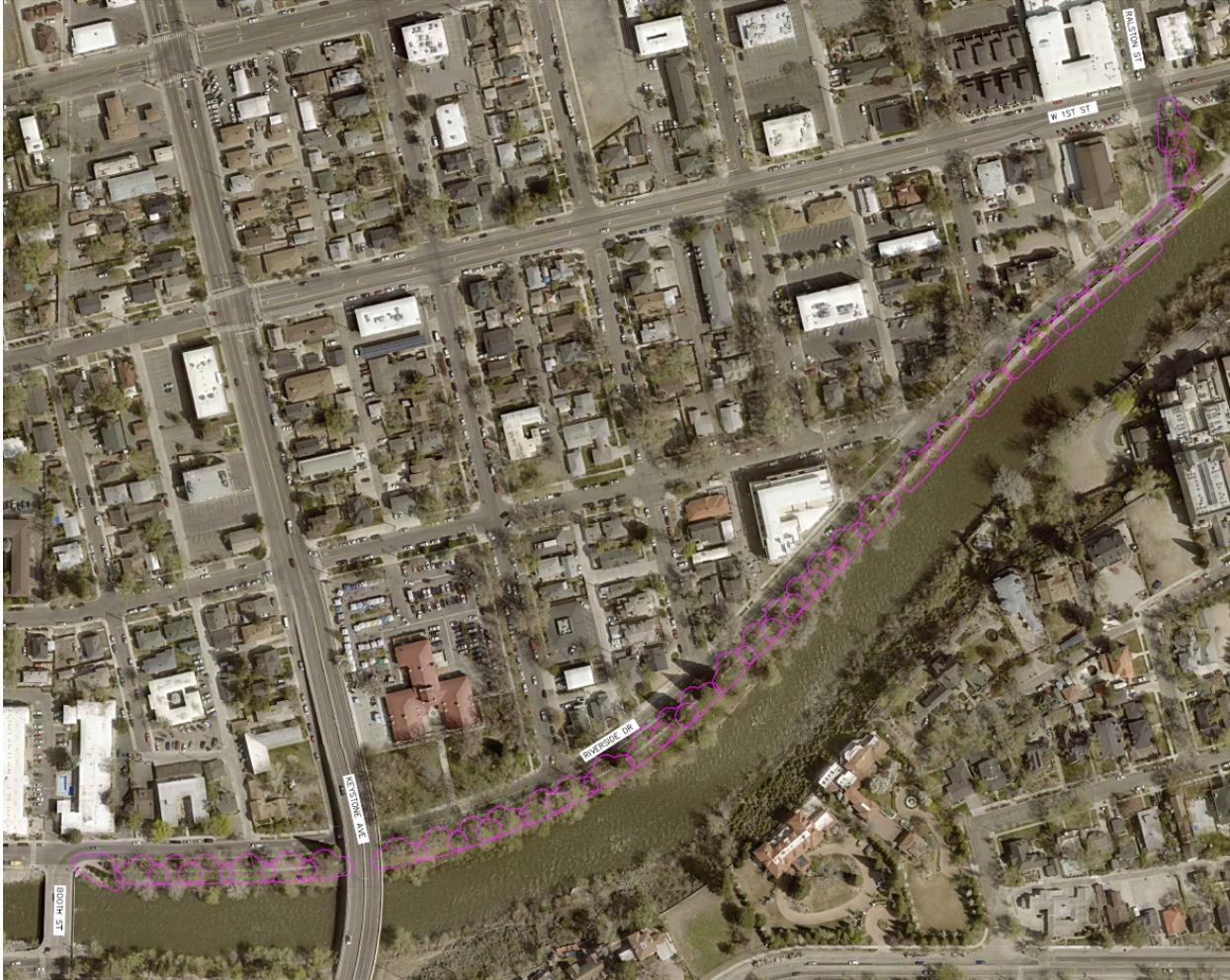


Figure 1. Segment 1 Truckee River Path Lighting

Segment 2

The second segment of river path lighting is from Museum Drive to Wells Avenue, see the red line on the aerial image below. This segment includes approximately twenty-seven lights along the riverside walking path. The current lighting on this segment is a typical box style street light with metal halide light bulb. Many of the lights do not function due to vandalism to the light fixtures, conduit and/or pull boxes. The existing light assemblies in this segment will be upgraded with new LED light assemblies along with repairs and anti-vandalism implementation for the existing electrical service meter, conduit, wire and pull boxes.



Figure 2. Segment 2 Truckee River Path Lighting

Segment 3

The third segment of river path lighting is from Wells Avenue through John Champion Memorial Park to the south side of the pedestrian bridge. The third segment includes approximately thirty-three lights along the riverside walking path. The current lighting on this segment is a fiber glass pole with bulb style light fixtures. None of the lights in this segment function due to vandalism or damage to the electrical service meter, light poles, conduit and/or pull boxes. The existing light assemblies will be upgraded with new LED light assemblies along with repairs and anti-vandalism implementation for the existing electrical service meter, conduit, wire and pull boxes.



Figure 3. Segment 3 Truckee River Path Lighting

Two light fixture styles are available to replace the current light assemblies at segments 1, 2 and 3. Light fixture option 1 is a bell shaped fixture in Figure 4 below on the left. Light fixture option 2 is the modern style fixture in Figure 5 below on the right. Either light assembly will be installed with a black finish, consistent with other fixtures around town, and is energy efficient LEDs that shine light downward to help improve the night sky environment while providing enough light coverage for the riverside walking path. Selection of one of the following two light assembly options was incorporated into the bid for this project. Council can select one light fixture style to replace the existing light assemblies at segments 1, 2 and 3.



Figure 4. Option 1, bell shaped fixture fixture



Figure 5. Option 2, modern shaped fixture

Segment 4

The fourth segment from the north side of the pedestrian bridge near John Champion Memorial Park to Fisherman's Park includes approximately twenty-six new solar powered LED light poles and fixtures. There is no functioning lighting in this segment. The electrical infrastructure can't be repaired like the other segments for traditional hard-wired lights. This same type of solar light assembly has already been incorporated into other pathway lighting in other areas of the City.



Figure 6. Segment 4 Truckee River Path Lighting



Figure 7. Proposed new solar powered LED light fixture

Staff competitively bid this project in October 2024. Three bids were received and opened on October 22, 2024. Titan Electrical Contracting, Inc. submitted the best bid pursuant to the requirements established in Nevada Revised Statutes (NRS) Chapter 338.147 and Code of Federal Regulations. Table 1 below shows the bid results.

Table 1 – Bid Summary

Bidder	Total Bid Price
Engineer’s Estimate	\$ 1,314,394
Titan Electrical Contracting	\$ 752,100
Summit Line Construction	\$ 943,426
Brycon Corporation	\$ 1,179,126

Staff recommends awarding the contract to Titan Electrical Contracting, Inc. for the Truckee River Path Lighting project in an amount not to exceed \$1,002,100 which includes \$250,000 contingency for unforeseen items encountered during construction as shown in Table 2 below.

Table 2 – Recommended Bid Award

Titan Electrical Contracting	\$ 752,100
Contingency	\$ 250,000
Bid Award	\$ 1,002,100

The consequences of not awarding this bid today will result in the potential expiration and loss of APRA funds along with continued lighting deficiencies along the Truckee River Path.

Financial Implications:

This project will be funded through the ARPA fund.

Legal Implications:

Legal review completed for compliance with City procedures and Nevada law. This contract was competitively bid in accordance with Chapter 338 of the NRS and the Code of Federal Regulations. NRS 338.147 provides that a local government shall award a contract for a public work for which the estimated cost exceeds \$250,000 to the contractor who submits the best bid pursuant to the requirements of the chapter. Titan Electrical Contracting, Inc. maintains the proper license to perform the project and submitted the best bid pursuant to state law and federal regulations.

Recommendation:

Staff recommends Council award the contract to Titan Electrical Contracting, Inc. in an amount not to exceed \$1,002,100 for the Truckee River Path Lighting project and authorize the Mayor to sign the contract.

Proposed Motion:

I move to select the traditional bell style or modern round style light fixture and award the contract to Titan Electrical Contracting, Inc. in an amount not to exceed \$1,002,100 for the Truckee River Path Lighting project and authorize the Mayor to sign the contract.

Attachments:

Contract