

## STAFF REPORT

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**Date:** March 26, 2025

**To:** Mayor and City Council

**Through:** Jackie Bryant, City Manager

**Subject:** Staff Report (For Possible Action): Approval of Consulting Agreement for engineering and design services for the Truckee River Bank Stabilization Project along the south bank of the Truckee River between Booth Street and Keystone Avenue with JUB Engineering Inc. in the amount not to exceed \$288,500. (Sewer Fund) [Ward 2]

**From:** Mary Horvath, Senior Civil Engineer

**Department:** Utility Services

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### Summary:

Major flooding events on the Truckee River have caused erosion and scour along the southern bank of a City-owned parcel between the Booth Street and Keytone Drive bridges. Staff recommends approval of an agreement with JUB Engineering Inc. (JUB) for professional services to evaluate, design and provide environmental permitting assistance for bank stabilization along the south bank of the Truckee River between Booth Street and Keystone Avenue, for an amount not to exceed \$288,500 (Sewer Fund).

Consent Review	Yes	No
1. Is this item an annual or standard item that comes before Council for regular approval?		X
2. Is this item an agreement required based on an item previously approved by Council?		X
3. Is this item included in the current budget approved and adopted by Council?	X	
Other Considerations		
What percent of the total City budget does this item represent?	<1%	

### Alignment with Strategic Plan:

Public Safety

Infrastructure, Climate Change, and Environmental Sustainability

**Previous Council Action:**

There is no recent Council action relevant to this item.

**Background:**

High flows and velocities during the 1997 Truckee River flood event caused erosion and scour along the south bank of the Truckee River along a City-owned parcel between Booth Street and Keystone Avenue, raising concerns for the area adjacent to Water's Edge. The Reno parcel lies between the Truckee River (Nevada Division of State Lands) and Water's Edge. A public path currently runs through the Reno parcel with formal access from Booth Street. In recent years, the City has received multiple complaints from Water's Edge regarding safety concerns of the steep slope adjacent to the walking path and concerns over the structural integrity of the slope adjacent to the Waters Edge apartment complex buildings. In 2002 and 2022 the City commissioned a survey of the slope to monitor the bank and identify any changing conditions or movement of the slope. Installing temporary fencing for pathway safety and future construction of stabilization features will provide permanent bank erosion.

**Discussion:**

The City has initiated a project for the planning and design of bank stabilization along the southern bank of the Truckee River between Booth Street and Keystone Avenue bridges to address the bank slope erosion and hazards resulting from the erosion.

JUB was selected from the City's 2024-2026 qualified consultants list. JUB is currently working on a project through the same stretch of the Truckee River for the Truckee River Flood Management Authority (TRFMA) and the Carson-Truckee Water Conservancy District for a flood wall and berm along the north bank of the river (Riverside Drive Berm).

This project will assess the current condition of the riverbank to quantify the extent of erosion and determine appropriate stabilization measures. The analysis will include evaluating erosion patterns, identifying contributing factors, and proposing effective, long-term solutions. Preservation of existing vegetation on the bank will be considered, as will vegetated bank stabilization alternatives. The anticipated stabilization plan includes restoring the eroded bank to its previous condition as a maintenance effort and adding fall protection. This restoration is anticipated to include rebuilding the bank with suitable soils, armoring the bank with riprap and/or other more natural stabilization measures for bank stability and to provide ecological benefits, and improve the aesthetic quality of the area. Existing trees between the path and the slope to the river bank will be maintained to the greatest extent possible.

Coordination with the Regional Transportation Commission (RTC's) Keystone Bridge Project, currently in design, will occur to ensure matching tie in points. The project will include survey and geotechnical investigation of the site, the civil, geotechnical and landscape design of the

improvements, and Environmental permitting through the United States Army Corps of Engineers (USACE), the Carson Truckee Water Conservancy District, and the Nevada Department of Environmental Protection (NDEP).

**Financial Implications:**

If approved, the City is entering into an agreement with JUB for the work as described in an amount not to exceed \$288,500. Costs for the City of Reno are budgeted in the Sewer Fund.

**Legal Implications:**

The parties are bound by the terms of the agreement as prepared by the Office of the City Attorney.

**Recommendation:**

Staff recommends Council approve the Agreement with JUB for professional services associated with the design and permitting of erosion control along the Truckee River from Booth Street to Keystone Avenue in an amount not to exceed \$288,500.

**Proposed Motion:**

I move to approve the staff recommendation.

**Attachments:**

Agreement with JUB Engineering Inc. Waters Edge 2025.pdf