

STAFF REPORT

Date: November 9, 2022

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Award of Contract to Q&D Construction for the Summit Ridge Drive Bridge Repair Structure H-1553 Project in the amount of \$128,545. (Street Fund) [Ward 1]

From: Theresa Jones, Senior Civil Engineer

Department: Utility Services

Summary:

This item is the award of contract for the Summit Ridge Drive Bridge Repair Structure H-1553 project which consists of the removal and replacement of the east and west expansion joints.

The City bid the project as pursuant to the requirements established in Nevada Revised Statute (NRS) Chapter 338. Bids were received and opened on October 17, 2022 and Q&D Construction submitted the only bid on the project. The project is included in the City's Capital Improvement Plan (CIP). Staff recommends Council approve the contract with Q & D Construction in the amount \$128,545.

Alignment with Strategic Plan:

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

There is no recent Council action relevant to this item.

Discussion:

The City of Reno owns and maintains 98 bridges. Bridge inspections are conducted by the Nevada Department of Transportation on all City of Reno bridges at a frequency of one, two, or four-year intervals. The Summit Ridge Road Bridge (H-1553) is owned and maintained by the City of Reno. Inspections conducted by the Nevada Department of Transportation indicate failure and needed maintenance to the structures expansion joints. Needed replacement of the Summit Ridge Bridge expansion joints has been identified on previous inspections for the last eight years. Expansion joints allow for movement of the bridge deck caused by thermal expansion and contraction as well as movement caused by traffic loading. Failed expansion joints can damage

the bridge through cracking of the concrete and joint leakage, allowing water infiltration which can harm a variety of bridge components including abutments and the bridge deck. Additionally, the recently joints exposed and broken steel headers and steel anchors have increased the urgency for replacement

(Figure 1. Failure of Summit Ridge Drive Bridge West Expansion Joints



Figure 1: Failure of the Summit Ridge Drive Bridge west expansion joint

The expansion joint repairs locations for the Summit Ridge Drive Bridge are shown on the location map below.

Summit Ridge Drive Bridge - Structure H-1553



City of Reno, NV
Department of Public Works

Source: Public Works Enterprise GIS Portal

Disclaimer: This map data is for general reference only and is subject to continuous change and updates. The entire risk as to quality, performance and usefulness of this map data rests with the user.



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Staff received and opened one bid for the Summit Ridge Drive Bridge Repair – Structure H-1553 on October 17, 2022. Q & D Construction submitted the only bid. Staff has determined the bid is reasonable and meets the requirements established in Nevada Revised Statute (NRS) Chapter 338. Bid results are summarized below in Table 1 – Bid Summary.

Table 1 – Bid Summary

Summit Ridge Drive Bridge Repair – Structure H-1553	Q&D Construction	Engineer’s Estimate
Total Bid	\$115,000	\$90,299

Estimating the probable cost of this project proved difficult as there were no recently awarded bridge expansion joint projects of this size. Given the small size of the project and the specialty construction methods required, staff has determined the bid is reasonable.

Table 2 – Recommended Bid Award

Summit Ridge Drive Bridge Repair Project – Base Bid	Bid Award
Contingency	\$ 13,545
Bid Award	\$ 128,545

Financial Implications:

Funding for this project will be provided from the Street Fund as identified in the FY22/23 Capital Improvement Program.

Legal Implications:

This contract was competitively bid in accordance with Chapter 338 of the Nevada Revised Statutes (NRS). Q & D Construction has the expertise and maintains the proper licenses to construct the project and submitted the best bid pursuant to City procedures and Nevada Law.

Recommendation:

Staff recommends Council award of the contract to Q & D Construction in the amount of \$128,545 and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

Q&D Construction Contract (PDF)