

MEMORANDUM

TO: Board of Trustees

THROUGH: Indra Winqest
District General Manager

FROM: Brad Underwood, P.E.
Director of Public Works

THROUGH: Kate Nelson, P. E.
Engineering Manager

SUBJECT: Review, discuss, and possibly authorize Washoe County Roads Department to replace +/- 2,700 SF asphalt pavement damaged by a water line leak; Fund: Utility; Division: Water; Vendor: Washoe County Road Department in the amount of \$97,300.

DATE: August 10, 2021

I. RECOMMENDATION

That the Board of Trustees makes a motion to:

1. Review, discuss, and possibly authorize Washoe County Roads Department to replace +/- 2,700 square feet (SF) of asphalt pavement damaged by a water line leak. Fund: Utility; Division: Water Distribution (200-22-240-7520); Vendor: Washoe County Road Department in the amount of \$97,300.
2. Authorize Staff to pay the invoice upon receipt and verification of work.

II. BACKGROUND

In September of 2020, an old service saddle corroded at the water main and caused a water leak in the vicinity of 615 to 621 Tumbleweed Circle. The Public Works pipeline crew repaired the leak and temporarily patched the asphalt pavement. The water leak had been occurring for some time and caused the base material to fail underneath a large section of asphalt pavement. Public Works Staff and Washoe County Road Department Staff agreed to wait until the following grading season to perform the permanent patch. Over the course of the winter, the

pavement distorted due to the base material failure and damage was done to the existing radiant heating for the driveway located at 619 Tumbleweed Circle, but located within the Washoe County right-of-way.

In May of this year, Washoe County Road Department Staff marked out the extents of the asphalt pavement that needed to be replaced. This area was approximately 2,700 square feet (sf). The extent of the repair shall be in accordance with Washoe County Road's standard specifications. The work includes sawcut, removal of existing asphalt, and 6" of subgrade material, installation of 6" Type II base material, repaved with asphalt concrete, application of seal coat, replacement of approximately 52 linear feet of rolled asphalt curb, and repair of radiant heating at 619 Tumbleweed Circle. Upon completion of the work the County will invoice the District and the District will pay the invoice upon verification that the work was completed as described above.

In working with Washoe County Road Department, IVGID was given three (3) options for the work. The total project costs associated with each option are presented below:

- Option 1 is to have the Washoe County Road Department install 2,700 sf of permanent patch.
- Option 2 is to have IVGID's hire a contractor to install the 2,700 sf of permanent patch.
- Option 3 is for IVGID to follow a negotiated reconstruction for the Special Project Conditions to maintain the current PCI (Pavement Condition Index), which would include but not be limited to having IVGID's contractor remove pavement to centerline or edge of pavement, install a structural section of materials that are reconstructed to County standards, installation of permanent asphalt pavement patch, and placement of Type 2 Slurry Seal within one (1) year.

This project was advertised by informal bid during the month of June. A total of three (3) contractors attended the mandatory pre-bid job walk, and only one (1) bid was received.

The following table presents the total cost for each option:

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Project Expense	Cost Option 1	Cost Option 2	Cost Option 3**
IVGID Contractor – Permanent Pavement Patch and Asphalt Rolled Concrete Curb	N/A	\$53,580.00	\$94,000.00
IVGID Contractor - Radiant Heating Repair	N/A	\$6,370.00	\$6,370.00
IVGID Contractor - Slurry Seal*	N/A	\$6,000.00	\$6,000.00
IVGID Sub-Contractor - Material Testing	N/A	\$1,980.00	\$3,500.00
IVGID Project Management	\$3,000.00	\$10,000.00	\$10,000.00
Washoe County Road Cut Permit	\$97,300.00	\$65,250.00	\$2,150.00
Total	\$100,300.00	\$143,180.00	\$122,020.00

*estimated cost to be incurred Spring 2022

**Costs extrapolated based on the current bid's unit pricing

Based on the costs associated with the repair, Washoe County Staff recommends that IVGID proceed with Option 1 and have the Washoe County Road Department repair the section of pavement. In addition to Option1 being the least costly, IVGID will not be responsible for any future failure of the pavement associated with the repair.

III. BID RESULTS

To assess the cost of available options for this project, the scope of work was advertised by informal bid in June 2021. A total of three (3) contractors attended the mandatory pre-bid job walk, and only one (1) bid was received, from RaPiD Construction. Public Works has worked on many projects with RaPiD Construction and they are more than qualified to perform the work associated with this project. A summary of the bid is found below.

Description	Cost
Paving & Asphalt Rolled Curb Proposal	\$53,580.00
Radiant Heating Replacement	\$6,370.00
Total	\$59,950.00

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IV. FINANCIAL IMPACT AND BUDGET

The estimated cost to have Washoe County Public Works install the permanent roadway patch is \$97,300, plus \$3,000 for project management. At this time, Staff is recommending utilizing existing repair and maintenance funds included in the approved FY2021/22 budget (Utility Fund: Water Distribution Repair and Maintenance - Corrective). As this road repair work was not specifically anticipated at the time of development of the budget, this funding recommendation will significantly deplete available Water Division repair and maintenance funding.

As an alternative, Staff considered recommending a budget augmentation from available reserve funding to support this work. As it is anticipated that more R&M work will need to take place over the next 11 months, staff will be monitoring the overall water utility operating budget to determine when (or whether) a supplemental budget augmentation may be needed.

V. ALTERNATIVES

This is an unforeseen event that is not covered by our insurance and must be completed to repair the County roadway. As an alternative to the Staff recommendation to pursue Option 1, as outlined in this memo, the Board could choose to pursue either Options 2 or Option 3, albeit at an increase overall cost.

Additionally, as an alternative to the Staff recommendation to pursue Option 1 through allocation of existing Utility Fund repair and maintenance funds, the Board could choose to direct staff to return to the Board with a budget augmentation to increase the existing Utility Fund budget from available Utility Fund operating reserves.

VI. BUSINESS IMPACT

This item is not a "rule" within the meaning of Nevada Revised Statutes, Chapter 237, and does not require a Business Impact Statement.