

## STAFF REPORT

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**Date:** June 12, 2024

**To:** Mayor and City Council

**Through:** Doug Thornley, City Manager

**Subject:** Staff Report (For Possible Action): Approval of a Consultant Agreement for Construction Management Services with WSP USA, Inc. for the Evans Creek Drive Culvert Rehabilitation B2698 Project in an amount not to exceed \$23,927. (Sewer Fund)

**From:** Christopher Holman, Senior Civil Engineer

**Department:** Utility Services

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**Summary:**

The Evans Creek Drive Culvert Rehabilitation B2698 Project will replace a failing segment of roadway culvert over Evans Creek. WSP USA, Inc. (WSP) will provide construction services, including design review of shop drawings, design clarifications, materials testing, and record drawings for the Evans Creek Drive Culvert Rehabilitation B2698 Project. Staff recommends Council approve the agreement with WSP, in an amount not to exceed \$23,927 (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	
<b>Other Considerations</b>		
What percent of the total City budget does this item represent?	0.07%	

**Alignment with Strategic Plan:**

Infrastructure, Climate Change, and Environmental Sustainability

**Previous Council Action:**

January 9, 2019 – Council approved a consultant agreement with WSP (formerly Louis Berger,

U.S.), for engineering design services for the Evans Creek Drive Culvert Rehabilitation.

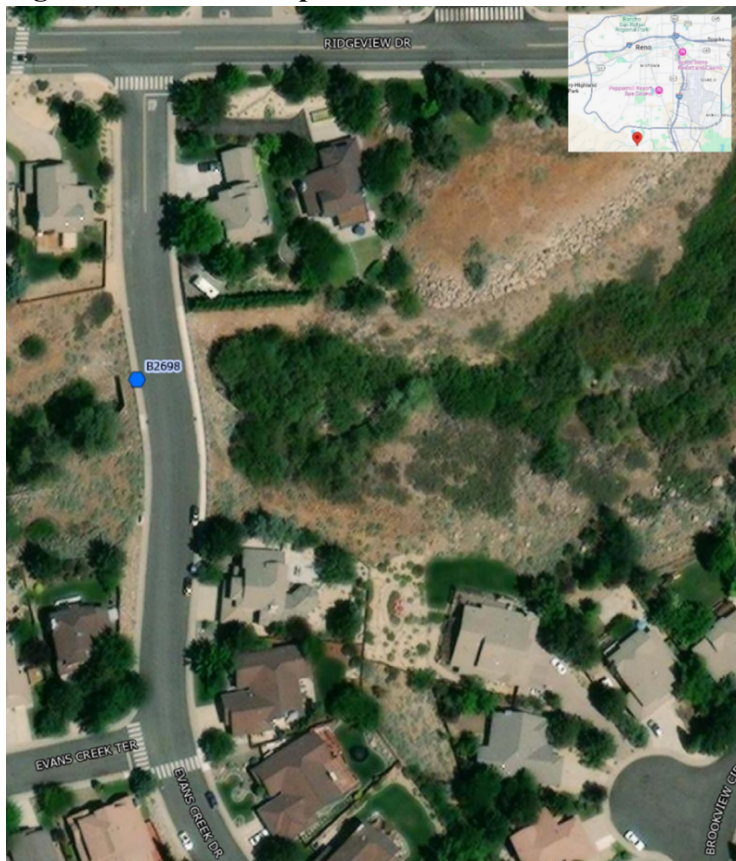
### **Background:**

Evans Creek Drive crosses Evans Creek just south of Ridgeview Drive in South Reno and is identified as Bridge B2698. The single cell arched culvert is a bottomless culvert built on footings and was constructed in the early 1990s as part of the Evans Creek Estates development. The bridge spans approximately 72 feet under Evans Creek Drive and consists of nine (9) arch segments, each measuring 25 feet wide by nine (9) feet high by eight (8) feet long. Figure 1 below shows the crossing location and Figure 2 shows a photo of the west elevation.

The Nevada Department of Transportation (NDOT), in accordance with the National Bridge Inventory Program, inspects all bridges in the State of Nevada, regardless of ownership, and provides annual inspection reports to the City that document the overall condition of the City's bridges. NDOT's 2018 annual inspection report initially identified a 1/8" crack that has continued to widen, now measuring 3/16" wide in the Evans Creek Bridge Arch Segment No. 8 (of 9), and indicates structural failure of the segment. This project includes the replacement of Arch Segment No. 8.

In 2004, the annual NDOT inspection report identified a structural failure of Arch Segment No. 7, which led to its replacement. All remaining 7 Arch Segments are identified to be structurally sound.

**Figure 1. Location Map**



**Figure 2. West Elevation of B2698**



**Discussion:**

Recent NDOT bridge inspection reports identified flexure cracking and a noticeable sag in the crown of Segment No. 8 of the Evans Creek Drive Culvert B2698. Removal of the distressed arch segment and replacement with a new prefabricated arch is necessary to maintain the structural integrity of the bridge and Evans Creek Drive. WSP will be providing construction management services for this priority project.

As a separate but related item, also on today's agenda for Council consideration is the contract award to F.W. Carson Co. for construction of the Evans Creek Drive Culvert Rehabilitation B2698 Project.

**Financial Implications:**

The current fiscal year's Capital Improvement Program (CIP) includes this project and budget is available in the Sewer Fund.

**Legal Implications:**

Legal review completed for compliance with City procedures and Nevada law.

**Recommendation:**

Staff recommends Council approval of the Construction Services Agreement with WSP USA, Inc. for the Evans Creek Drive Culvert Replacement Project in an amount not exceed \$23,927 (Sewer Fund) and authorize the Mayor to sign.

**Proposed Motion:**

I move to approve staff recommendation.

**Attachments:**

WSP CM Agreement Evans Creek Culvert B2698