



A Tradition of Stewardship
A Commitment to Service

Agenda Date: 9/10/2019

Agenda Placement: 6G

NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

TO: Board of Supervisors

FROM: Steven Lederer - Director of Public Works
Public Works

REPORT BY: James Reese, Associate Engineer - x8281

SUBJECT: 2014 Napa Earthquake Structure Repairs, RDS 18-06 & RDS 18-07 - Award of Construction Contract

RECOMMENDATION

Director of Public Works requests the following:

1. Award of the contract for the 2014 Napa Earthquake Minor/Major Structure Repairs Projects (RDS 18-06, and 18-07) to Ashron Construction of Santa Clara, California for their low base bid of \$170,900 and authorization for the Chair to sign the construction contract; and
2. Approval of Budget Transfer No. DPW006 for the following (4/5 vote required):
 - a. Increase appropriation by \$191,170 in the Roads Operations budget (Fund 2040, Sub-Division 2040000) offset by return of \$21,460 from Program R8300, DAF 17 - Old Sonoma Road MPM 2.27 in the Roads CIP Budget (Fund 2040, Sub-Division 2040500) and also from the use of a portion of the \$2.5 million loan from the Accumulated Capital Outlay Fund to the Roads Operations;
 - b. Increase appropriation by \$64,580 in Program R8350, DAF 24 – Silverado Trail MPM 0.16 in the Roads CIP Budget offset by increase in revenue from the transfer from the Roads Operations budget;
 - c. Increase appropriation by \$89,290 in Program R8360, DAF 20 – Silverado Trail MPM 1.47 in the Roads CIP Budget offset by increase in revenue from the transfer from the Roads Operations budget; and
 - d. Increase appropriation by \$37,300 in Program R8370, DAF 25 – Silverado Trail MPM 10.64 in the Roads CIP Budget offset by increase in revenue from the transfer from the Roads Operations budget.

EXECUTIVE SUMMARY

The proposed project will repair structural damage to bridges and culverts caused by the August 2014 Napa

Earthquake. The projects were advertised for bid on July 13, 2019. Bids were opened on August 22, 2019 and a total of two bids were received. The successful bidder is Ashron Construction of Santa Clara, California for their low base bid of \$170,900. Ashron Construction is not a local vendor. The Director of Public Works is recommending award to Ashron Construction and requesting authorization for the Chair to sign the construction contract.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	No
What is the revenue source?	Roads Capital Improvement Project budgets - Fund 2040 - Subdivision 2040500 - Program R8300 (Old Sonoma Road MPM 2.27), R8350 (Silverado Trail MPM 0.16), R8360 (Silverado Trail MPM 1.47), and R8370 (Silverado Trail MPM 10.64).
	<p>The Board previously approved Roads Operations budget to upfront the funds for various projects from the 2014 earthquake including the \$372,460 allocated for design of these four structural repair projects. To complete these projects through construction and closeout, an additional \$191,170 (\$169,710 including return of \$21,460 from Program R8300) is requested from the \$2.5 million dollar loan held in Roads Operations budget.</p> <p>The estimated project cost is \$542,170. The Federal Highway Administration (FHWA) approved \$823,150 for design and construction of permanent repairs based on early estimates of project cost. FHWA reimburses the County for 88.53% of allowable actual project costs. The County's local share is 11.47%. In Fiscal Year 2017-18, \$372,460 was appropriated for these projects and there is a balance of \$293,200 in the budget. Staff is requesting to increase the budget by \$169,710 to construct the projects. Caltrans has obligated FHWA funds for construction and County Staff will request reimbursements for allowable project costs once the projects are complete.</p>
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	A construction contract must be awarded in order for the structures to be repaired and to prevent further damage.
Is the general fund affected?	No
Future fiscal impact:	Construction will commence in Fiscal Year 2019-20. Beyond construction, the future fiscal impact will be limited to routine maintenance of the structures.
Consequences if not approved:	The project will not proceed to the construction phase and further damage to the structures could occur. Additionally, the County will have to return all federal funds received to date for the engineering phase.
Additional Information:	The remaining balance of the budget at the end of construction in Fiscal Year 2019-20 will be rolled over to Fiscal Year 2020-21 budget. Beyond construction, the future fiscal impact will be limited to routine maintenance of the structures.

Any reimbursement received from FHWA will be used for future earthquake projects. After all earthquake related projects are complete, FHWA reimbursements received plus any unspent portion of the \$2.5M loan will be returned to the Accumulated Capital Outlay Fund, which will satisfy the Roads commitment to repay the loan.

ENVIRONMENTAL IMPACT

Consideration and possible adoption of a Categorical Exemption Class 1: It has been determined that these projects do not have a significant effect on the environment and are exempt from the California Environmental Quality Act. [See Class 1 ("Existing Facilities") which may be found in the guidelines for the implementation of the California Environmental Quality Act at 14 CCR 15301; see also Napa County's Local Procedures for Implementing the California Environmental Quality Act, Appendix B.] The CEQA determination for these projects have been filed with the recorders office. Caltrans has determined that these projects qualify for a categorical exclusion under the National Environmental Policy Act.

BACKGROUND AND DISCUSSION

The four sites listed below were damaged in the August 2014 Napa earthquake. The extent of structural repairs range from grout placement/injection to adding a concrete slab to reinforce an existing headwall.

Repairs will be conducted at the following locations:

- | DAF 17 Old Sonoma Road MPM 2.27
- | DAF 20 Silverado Trail MPM 1.47
- | DAF 24 Silverado Trail MPM 0.16
- | DAF 25 Silverado Trail MPM 10.64

FHWA has approved \$823,150 for design and construction of the permanent repairs at the four sites based upon original project estimates. Staff believes that the approved amount is more than is necessary to complete the four projects, as the estimated total project cost is \$542,170. FHWA will reimburse 88.53% of allowable actual project costs. The remaining 11.47% is the County's local share.

The 2014 Napa Earthquake Structural Repairs Projects were advertised for bid on July 13, 2019. Bids were opened on August 22, 2019 and a total of two bids were received. The successful bidder is Ashron Construction of Santa Clara, California for their low base bid of \$170,900. The second place bidder was TPA Construction, Inc. of Rocklin California for a base bid of \$172,700. The engineer's estimate was \$150,000. Construction is anticipated to commence in October 2019 and to be completed by the end of fall, weather permitting.

The estimated project budget is \$542,170. On larger projects, the soft (i.e. non-construction) costs such as administration, project management, and design and construction management typically are approximately 40% of the project cost. For smaller projects such as this one, which require the involvement of a structural engineer, soft costs for project delivery are typically higher, about 60% of the project budget. The construction cost with contingency is \$222,170 and includes repairs to the existing structure and a 30% construction contingency requested for any unforeseen items of work. These are structure repair projects, and the services of a structural engineer was required to evaluate the most cost effective design solution with minimum environmental

impact. The design, engineering, and environmental budget is \$80,000, which includes site visits and development of design options, plans, technical specifications, and estimates. The county's project management budget is \$80,000. The project management level of effort includes the various coordination efforts over several years with Caltrans/FHWA and internal stakeholders; preliminary site visits and development of the engineer's report and cost estimates for obtaining funding; development of technical reports for right of way and NEPA and CEQA clearance; preparation of reimbursement requests; project reporting and preparation of project closeout documents; and response to audits. The construction management and inspection budget is \$80,000 and the special inspection budget is \$40,000. Due to recent traffic violations at construction sites on Silverado Trail, a budget of \$12,000 is included for traffic surveillance by either the Sheriff's Office or CHP. There are unknowns associated with repair of existing structures that may require additional design and coordination. A project contingency of \$71,270 is therefore budgeted. Minus the project contingency and traffic surveillance, the soft cost for this project is approximately \$288,000, or about 55% of the project budget.

Ashron Construction is not a local vendor. Staff outreach to the local construction contractor community included advertising the request for bids in the Napa Valley Register and the Solano-Napa Builder's Exchange, and by posting on DBEGoodFaith.com and the County website. Staff also sent "Notices to Contractors" to the local construction community. Once the construction contract is awarded the County will contact the Napa County Workforce Investment Board (WIB) and will require the successful contractor to contact the WIB informing them of hiring needs.

SUPPORTING DOCUMENTS

A . Project Budgets

CEO Recommendation: Approve

Reviewed By: Leigh Sharp