



A Tradition of Stewardship
A Commitment to Service

Agenda Date: 1/28/2020

Agenda Placement: 6E

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: Berryessa/Knoxville Road MPM 20.50-22.00 Culvert Replacement, RDS 19-08 - Approve Plans and Specifications

RECOMMENDATION

Director of Public Works requests approval of plans and specifications for the Berryessa/Knoxville Road MPM 20.50-22.00 Culvert Replacement Project (NANCC08), PA-09-CA-4301-PW-00233(1), RDS 19-08 and authorization to advertise for sealed bids and opening of the bids at a time, date, and location to be published by the Director of Public Works pursuant to Section 20150.8 of the Public Contract Code.

EXECUTIVE SUMMARY

The Berryessa/Knoxville Road culvert at mile post marker (MPM) 20.5 was damaged during the 2017 Storms in Napa County and the repair project qualified for Federal Emergency Management Agency (FEMA) funds. FEMA has authorized \$1,001,200 for the repair. For FEMA funded projects, the match is 75% FEMA, 18.75% California Office of Emergency Services (Cal OES) and 6.25% local.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	Fund 2040, Sub-Division 2040500, Program S7107. Roads and Measure T funds are being used to upfront the required cash flow in advance of reimbursement from FEMA. FEMA has approved \$1,001,200 in funding. There is currently \$196,700 allocated to this

project for engineering and design. On January 31, 2017, the Board approved the transfer of \$1 million from the General Fund to various 2017 Storm Projects. On February 26, 2019, the Board approved a transfer of \$66,000 from the balance in the Roads Fund to the Berryessa / Knoxville MPM 20.20.5 to 22.0 Storm Damage Repair Project. On June 4, 2019, the Board approved a transfer of \$130,700 from the Measure T Fund to the Project.

Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	Approval of the plans and specifications and authorization to advertise for bids is necessary to move the project forward toward construction.
Is the general fund affected?	No
Future fiscal impact:	Construction is anticipated to commence in the summer of 2020 and to be completed in fiscal year 2020-21. Staff will request construction funds with the award of the construction contract. Beyond construction, the future fiscal impact will be limited to routine maintenance of the road and culvert.
Consequences if not approved:	If not approved, replacement of the Berryessa/Knoxville Road Culvert MPM 20.50 to 22.00 cannot be completed, the structure and overlaying roadway will continue to deteriorate, and the culvert could fail during another severe storm. Additionally, the County will have to forfeit all federal funds.
County Strategic Plan pillar addressed:	Livable Economy for All - improve and maintain the existing transportation and roads system to safely accommodate all users.
Additional Information:	On December 17, 2019, the Board approved the Five-year Measure T Project List, which includes \$1,050,000 in Fiscal Year 2020-21 for this project. Once construction bids are received, staff will request additional Measure T funds with the award of the construction contract. Any FEMA funds received will be returned to the Measure T fund for use on future projects.

ENVIRONMENTAL IMPACT

Consideration and possible adoption of a Categorical Exemption Class 1: It has been determined that this type of project does not have a significant effect on the environment and is 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.] FEMA has determined that the project qualifies for a categorical exclusion under the National Environmental Policy Act.

BACKGROUND AND DISCUSSION

The County proposes to replace the existing series of four parallel corrugated metal culverts located on Berryessa/Knoxville Road north of Lake Berryessa that was damaged in the 2017 storms. The work consists of removing the damaged culverts and replacing them with a new concrete box culvert. The damaged roadway will also be repaired with a new asphalt concrete overlay. This design choice has environmental benefits, as the natural streambed will be restored with the removal of the culvert and concrete system currently in place.

The total estimated project cost (design, project administration, construction, and construction management) for Berryessa/Knoxville Culvert Replacement Project (NANCC08) is \$1,070,000. Excluding construction and contingencies, the soft costs are approximately \$383,000, which is 36% of the total project costs. The project qualifies for federal funding from the Federal Emergency Management Agency (FEMA). The expected cost distribution is 75% FEMA, 18.75% California Office of Emergency Services (Cal OES) and 6.25% local (Roads funds). FEMA has approved \$1,001,200 for repair of Berryessa/Knoxville Road Culvert and the Board of Supervisors appropriated \$196,700 for the design phase of the project.

SUPPORTING DOCUMENTS

A . Berryessa Culvert Budget 1.9.20

CEO Recommendation: Approve

Reviewed By: Leigh Sharp