



Napa County

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Legislation Text

File #: 23-0010, Version: 1

TO: Board of Supervisors
FROM: Steve Lederer - Director of Public Works
REPORT BY: Dewey Phan - Assistant Engineer
SUBJECT: Approval of Plans and Specifications for the Silverado Trail Bridge Over Bell Canyon Creek Guardrail Project, RDS 23-09

RECOMMENDATION

Director of Public Works requests approval of the Plans and Specifications 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 for the Silverado Trail Bridge Over Bell Canyon Creek Guardrail Project, RDS 23-09.

EXECUTIVE SUMMARY

The County is planning to widen the existing bridge deck to compensate for the new barrier widths and installation of new guardrail on both sides. The bridge abutments are wide enough to support the widened structure. Work is expected to be complete prior to the fall of 2023. The project design is complete and staff is requesting approval to allow for solicitation for construction bids.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	Fund 2040, Org 2040500. The funding for Project 23006 (RDS 23-09) is from SB-1 fund.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The requested approval will allow for the solicitation for construction bids and move the project forward toward construction
Is the general fund affected?	No

Future fiscal impact:	Design began in Fiscal Year 2021-22 and construction will begin in Fiscal Year 2022-23.
Consequences if not approved:	If not approved, the damaged guardrail cannot be repaired to improve traffic safety.
County Strategic Plan pillar addressed:	Healthy, Safe, and Welcoming Place to Live, Work, and Visit

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: 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.]

BACKGROUND AND DISCUSSION

The Public Works Department maintains 420 miles of roads and about 22 miles of guardrails. Over many years, the County has constructed guardrails to help prevent drivers from driving into the Napa River, into creeks, and down roadway embankments. Every year wayward drivers damage guardrails along County roads and Public Works staff create a list of County roads with damaged guardrail to repair. In the past, County staff have hired contractors to repair individual damaged guardrails or the Public Works Roads Division staff repaired the damage as time and funding allowed. With the advent of funding from SB-1, the County now designates \$500,000 per year specifically towards guardrail repairs. County staff prioritized the repairs based on safety and available funding and will repair the remaining damage (plus any newly damaged guardrails) in future years.

At the intersection of Silverado Trail North and Glass Mountain Road (at Bell Canyon Creek Bridge), the existing metal beam guardrail was damaged by drivers, is too short, and does not meet current safety standards. The site consists of a single span 31.0 foot wide reinforced concrete slab bridge. The Contractor would widen the upstream side of the bridge by two feet and widen the downstream side by two feet to a total roadway width of 36’-10”. This will allow the contractor to install wider bridge barrier rails and keep the same travel way width on Silverado Trail. The scope of work will also include temporary traffic control, removal of the existing metal beam guardrail, construction of new barriers on the east and west side of the roadway above the existing bridge widening, construction of Midwest Guardrail Systems (MGS), installation of energy absorbing terminal end treatments, and other related site work.

Staff recommends approval of the Plans and Specifications and authorization to advertise the project. After advertisement and staff analyze the bid results, staff will return to the Board of Supervisors to request construction award and a budget transfer to fund the entirety of the project, possibly including funding for construction management services and maintenance and monitoring for the project.