



COUNTY OF SONOMA

575 ADMINISTRATION
DRIVE, ROOM 102A
SANTA ROSA, CA 95403

SUMMARY REPORT

Agenda Date: 12/12/2023

To: Board of Supervisors

Department or Agency Name(s): Sonoma County Public Infrastructure

Staff Name and Phone Number: Johannes J. Hoevertsz, 707-565-2550

Vote Requirement: Majority

Supervisorial District(s): Fifth

Title:

Second Amendment to the Contract with HDR Engineers Inc. for Design of the King Ridge Bridge Replacement Project.

Recommended Action:

Approve and authorize the Chair to execute a Second Amendment to the Agreement with HDR Engineers for engineering design services for replacement of the King Ridge Road Bridge over Austin Creek (Project C07001), extending the term to December 31, 2028 and increasing the contract amount by \$944,138, with an additional 10% contingency of \$94,414, resulting in a new total not-to-exceed amount of \$1,447,995.

Executive Summary:

Sonoma County Public Infrastructure (SPI) is requesting Board approval of a proposed Second Amendment to the contract with HDR Engineers for engineering and design of the replacement bridge over Austin Creek at King Ridge Road. The Project was initiated in 2014 and has undergone multiple design iterations due to updates in standards and submittal requirements as well as a series of retaining wall additions, as the bridge design was further developed. If approved, the Amendment expands the scope of work and provides additional time and funding to complete the new studies, field investigations, and design work required by updated regulatory requirements, California bridge and CalTrans design standards, as well as the Manual for Assessment of Safety Hardware (MASH) standards.

Discussion:

In 2014, SPI (formerly the Transportation and Public Works (TPW) Department) began work to replace the existing one lane King Ridge Road Bridge over Austin Creek with a new, two-lane bridge designed to meet current roadway, drainage, and bridge standards. The existing bridge is scour critical, fracture critical, and functionally obsolete. In addition to meeting current CalTrans bridge standards, the replacement bridge will also include improvements to the roadway approaches and appurtenant facilities. The new structure will not increase traffic capacity; however, by providing two lanes it will improve vehicular and bicycle safety for the public using this bridge.

On October 21, 2014, following a competitive selection process, the Board awarded an engineering and design contract with HDR Engineers for \$409,443, (including a 10% contingency), with a term ending June 30, 2017, to begin work on the replacement bridge. On April 25, 2017, the Board approved the First Amendment, which

extended the term of the agreement until December 31, 2023, but did not expand the scope of work or increase the total contract value.

During the term of this contract, HDR, SPI, and Permit Sonoma have worked to produce a Type Selection Report, 30% design plans, and all the necessary NEPA documents including cultural review, as well as initial right of way documents. While working to complete these tasks, the bridge type was changed from a cast in place concrete structure, to a steel girder bridge type. This change will avoid impacts to the creek during construction and subsequent environmental mitigation work. Changing the bridge type also eliminates the need for constructing an access road into the creek and eliminates a large amount of falsework needed to construct a concrete bridge. The change simplifies the environmental review and significantly reduces the environmental mitigations required for the project, however, the change in design required revisiting the 30% plans.

Bridge design concurrence was finally obtained in 2023 and the requested Second Amendment will provide the additional time and funding necessary to complete of the new studies, field investigations, and final design work required to meet updated regulatory requirements, California bridge and CalTrans design standards, as well as Manual for Assessment of Safety Hardware (MASH) standards for the bridge rail. If the Second Amendment is approved, NEPA approval and right of way acquisition will begin in 2024 with construction scheduled to begin in 2026 or 2027 depending on availability of federal funding. This project is 100% federally funded under the Highway Bridge Program (HBP) using toll credits.

Strategic Plan:

This item directly supports the County’s Five-year Strategic Plan and is aligned with the following pillar, goal, and objective.

Pillar: Resilient Infrastructure

Goal: Goal 3: Continue to invest in critical road, bridge, bicycle, and pedestrian infrastructure.

Objective: Objective 4: Identify and retrofit bridges in County that are at high risk for damage during earthquakes.

Racial Equity:

Was this item identified as an opportunity to apply the Racial Equity Toolkit?

No

Prior Board Actions:

10/21/2014, Item 30 - Original Agreement

4/25/2017, Item 18 - First Amendment

FISCAL SUMMARY

Expenditures	FY23-24 Adopted	FY24-25 Projected	FY25-26 Projected
Budgeted Expenses	\$346,184	\$346,184	\$346,184
Additional Appropriation Requested			
Total Expenditures	\$346,184	\$346,184	\$346,184
Funding Sources			
General Fund/WA GF			
State/Federal	\$346,184	\$346,184	\$346,184
Fees/Other			
Use of Fund Balance			
General Fund Contingencies			
Total Sources	\$346,184	\$346,184	\$346,184

Narrative Explanation of Fiscal Impacts:

Revenues and Expenses associated with this contract amendment are included in the FY 23-24 Roads Capital (11051-34010103) budget. Future expenses will be included in FY 24-25 and FY 25-26 Roads Capital (11051-34010103) Recommended Budgets. Expenses are eligible for 100% reimbursement through the Federal Highway Bridge Program (HBP) using toll credits.

Narrative Explanation of Staffing Impacts (If Required):

N/A

Attachments:

Amendment 2
Exhibit B with scope and cost

Related Items "On File" with the Clerk of the Board:

Original Agreement
1st Amendment