



A Tradition of Stewardship  
A Commitment to Service

Agenda Date: 3/23/2021

Agenda Placement: 7F

## NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

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**TO:** Board of Supervisors

**FROM:** Steven Lederer - Director of Public Works  
Public Works

**REPORT BY:** Graham Wadsworth, Engineering Supervisor - 259-8331

**SUBJECT:** Agreement for Bridge Preventive Maintenance Program, RDS 21-19

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### **RECOMMENDATION**

Director of Public Works requests the following actions:

1. Creation of new Capital Improvement Project (CIP) within the Roads Capital Improvement Program budget (Fund 2040, Sub-Division 20405-00) for a bridge preventive maintenance program (Program 21068);
2. Approval of and authorization for the Chairman to sign an agreement with Biggs Cardosa & Associates for a maximum of \$92,911 for the term March 23, 2021 through June 30, 2021 with a one year extension to prepare a Bridge Preventive Maintenance Program; and
3. Approval of Budget Transfer DPW045 for the following (4/5 vote required):
  - a. Increase appropriations by \$100,000 in the SB-1 Non-Operating Special Revenue Fund (SRF) budget (Fund 2440, Sub-Division 12200-52) to transfer to Program 21086 offset by use of its available fund balance; and
  - b. Increase appropriations by \$100,000 in Program 21068 budget offset by an increase in revenue from the transfer from the SB-1 SRF budget.

### **EXECUTIVE SUMMARY**

The Napa County Department of Public Works maintains 78 bridges that are included in the National Bridge Inventory (NBI). Caltrans inspects the bridges every two to four years and prepare Bridge Inspection Reports (BIR) for each bridge with recommendations for maintenance and repairs.

The Federal Highway Administration (FHWA) funds cost-effective means of extending the useful life of bridges in the NBI with Highway Bridge Program (HBP) funding for preventive maintenance. To apply for the funding, the County must submit a Bridge Preventive Maintenance Plan (BPMP). The County requested statements of qualifications (SOQ) from qualified firms to prepare the BPMP per the FHWA BPMP Guidelines. County staff

selected Biggs Cardosa & Associates (BCA) as the most qualified consultant to prepare a prioritized five-year plan of cost-effective routine bridge maintenance to submit to Caltrans.

The Director recommends the Board approve the agreement with BCA.

### **FISCAL & STRATEGIC PLAN IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	No
What is the revenue source?	Budget Transfer for this item is included with the Mid-Year Budget Review Item coming from the County Executive Office on the same day. Staff is requesting \$100,000 in SB1 funding to prepare a Bridge Preventive Maintenance Program, RDS 21-19 (Fund 2040, Subdivision 2040500 and Program 21068). When staff asks the Board to approve an agreement to prepare bid documents for the work recommended in the BPMP, staff will also request funding for the design phase.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	Approval of the Budget Transfer is necessary to apply for federal funding to maintain and repair the County's bridges.
Is the general fund affected?	No
Future fiscal impact:	Staff will request additional funding to prepare bid documents and implement the recommended maintenance and repairs.
Consequences if not approved:	County does not currently have staff capacity to prepare the BPMP and won't be able to take advantage of funding in this coming cycle.
County Strategic Plan pillar addressed:	The Project will improve the existing transportation and roads system to safely accommodate all users.
Additional Information:	County staff will request Federal Highway Bridge Program funding to design the recommended repairs in the BPMP.

### **ENVIRONMENTAL IMPACT**

**Consideration and possible adoption of a Categorical Exemption Class 9:** 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 9 ("Inspections") which may be found in the guidelines for the implementation of the California Environmental Quality Act at 14 CCR §15309.]

### **BACKGROUND AND DISCUSSION**

The Napa County Department of Public Works maintains 78 bridges that are included in the National Bridge Inventory (NBI). Caltrans inspects the bridges every two to four years in accordance with federal regulations as part of the Highway Bridge Program (HBP). Caltrans Structure Maintenance and Investigations bridge inspectors prepare Bridge Inspection Reports (BIR) for each bridge with recommendations for maintenance and repairs. The

recommendations include placing a seals on bridge decks to protect the reinforcement bars from corrosion, placing scour protection in waterways to protect the bridge foundation, patching spalls in the concrete, replacing bridge joint material, and repairing bridge barrier rails.

The Federal Highway Administration (FHWA) funds cost-effective means of extending the useful life of bridges in the NBI with HBP funding for preventive maintenance. To apply for the funding and also help manage the condition of these bridges, the County must submit a Bridge Preventive Maintenance Plan (BPMP). On December 29,2020, Public Works staff requested statements of qualifications (SOQ) from qualified firms to prepare the BPMP per the FHWA BPMP Guidelines.

Based on the criteria in the RFQ, County staff selected Biggs Cardosa & Associates (BCA) as the most qualified consultant to prepare a prioritized five-year plan of cost-effective routine bridge maintenance, including project descriptions, cost estimates and the BPMP Plan Templates, to submit to Caltrans. BCA prepared BPMP's for the cities of Pleasanton, Cupertino, and Anaheim. BCA also inspected the County's bridges after the 2014 Earthquake and is preparing the bid documents to replace the Chiles-Pope Bridge over Chiles Creek (RDS 15-23) and the Dry Creek Bridge over Dry Creek (RDS 15-22).

If the County receives HBP funding, then the County will hire a consultant to prepare the plans and specifications for the bid documents to make the recommended repairs in 2022 and beyond. If it is more cost effective and the Public Works Roads crew has the availability and expertise, then the Roads crew could make some of the repairs.

The Director recommends the Board approve the agreement with BCA.

#### **SUPPORTING DOCUMENTS**

- A . BPMP Budget
- B . Draft Agreement

CEO Recommendation: Approve

Reviewed By: Susan Kuss