



A Tradition of Stewardship
A Commitment to Service

Agenda Date: 8/19/2014

Agenda Placement: 7E

NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

TO: Board of Supervisors

FROM: Steven Lederer - Director of Public Works
Public Works

REPORT BY: MALLIKA RAMACHANDRAN, ENGINEERING SUPERVISOR - 259-8194

SUBJECT: Authorization To Submit Program Supplement Agreement No. N030 for Chiles-Pope Valley Bridge Rehabilitation and N031 for Dry Creek Bridge Replacement with the Department of Transportation

RECOMMENDATION

Director of Public Works requests adoption of a resolution authorizing the Public Works Director or his designee to sign Program Supplement Agreements No. N030 and N031 with the California Department of Transportation to administering Agency-State Agreement No 04-5921R for the "Chiles-Pope Valley Road Bridge (21C0075) Rehabilitation Project" BRLS 5921(060) and for the "Dry Creek Road Bridge (21C0056) Replacement Project" BRLO 5921(061).

EXECUTIVE SUMMARY

Director of Public Works requests approval of the resolution to authorize the Public Works Director or his designee to sign Program Supplement Agreements No. N030 and N031 with the California Department of Transportation to administering Agency-State Agreement No 04-5921R for the "Chiles-Pope Valley Road Bridge (21C0075) Rehabilitation Project" BRLS 5921(060) and for the "Dry Creek Road Bridge (21C0056) Replacement Project" BRLO 5921(061), respectively.

Approval of the agreements will establish a mechanism by which the California Department of Transportation can reimburse the County with Federal funding programmed for the construction of the "Chiles-Pope Valley Road Bridge Rehabilitation Project" and the "Dry Creek Road Bridge Replacement Project."

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	Road Department Capital Improvements CIP Budget - Fund 2040 - Subdivision 20405-00 - Program 14009: Dry Creek Bridge Road Department Capital Improvements CIP Budget - Fund 2040 - Subdivision 20405-00 - Program 14010: Chiles-Pope Valley Bridge
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The Chiles-Pope Valley Bridge must be rehabilitated and the Dry Creek Road bridge must be replaced. Funding from the Roads Operational Budget alone will not be sufficient to cover the costs of repair; funding will be supplemented by Federal funds provided via Program Supplement Agreements N030 and N031. The program supplement agreements must be approved in order to provide a mechanism by which the County will be reimbursed with Federal Highway Administration funds for each project.
Is the general fund affected?	No
Future fiscal impact:	It is anticipated that preliminary engineering costs will occur in Fiscal Year 2014-2015. All other future impact is limited to routine road maintenance as is currently performed.
Consequences if not approved:	The County will forfeit Federal Highway Administration grant funds, preventing these bridges from being replaced or rehabilitated.
Additional Information:	<p>The estimated Preliminary Engineering Federal reimbursement for the "Chiles-Pope Valley Road Bridge (21C0075) Rehabilitation Project," BRLS 5921(060) is \$72,152. The bridge has been designated as a Caltrans On-System Bridge; under the Federal aid program that is administered by Caltrans, On-System bridges are eligible for a reimbursement rate of 88.53% of total estimated project costs. The estimated Preliminary Engineering Federal reimbursement amount noted above is derived from a total estimated project cost of \$81,500. The remaining estimated project costs of \$9,348 will be paid by local matching Roads funds.</p> <p>The estimated Preliminary Engineering Federal reimbursement for the "Dry Creek Road Bridge (21C0056) Replacement Project," BRLO 5921(061) is \$379,500. The bridge has been designated as a Caltrans Off-System Bridge; under the Federal aid program that is administered by Caltrans, Off-System bridges are eligible for a reimbursement rate of 100% of total estimated project costs utilizing toll credits for the 11.47% local match. The estimated Preliminary Engineering Federal reimbursement amount noted above is derived from a total estimated project cost of \$379,500.</p>

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

On August 20, 2012, Caltrans issued a letter to Cities and Counties requesting local agencies to review their public highway bridges for potential replacement, rehabilitation, or preventive maintenance and to take necessary actions to address any public safety issues and to extend the life of their bridge inventories.

In order for the bridges to be included into the Local Assistance Bridge Program and the Federal Transportation Improvement Program (FTIP), the funding application had to be submitted by January 31, 2013. In October and November of 2012, staff met with several consultants to discuss potential funding sources to program County bridges. The county selected Mark Thomas & Company, Inc to assist with performing structural investigations, and to prioritize and develop scopes and cost estimates for the applications. Under the Federal program that is administered by Caltrans, there is federal aid available to local agencies. For On-System Bridges (those located on arterials and major collectors), the program will fund 88.53%, with a required 11.47% local match. For Off-System Bridges (those located on local roads or minor collectors), the program will fund 100%, utilizing toll credits for the 11.47% local match.

On January 25, 2013, staff submitted eight Highway Bridge Rehabilitation & Replacement Program (HBRRP) applications to Caltrans for bridges that met the following criteria:

- | Off-System bridges, because currently there is 100% funding available utilizing the toll credits (which may be depleted in the future)
- | Location of the bridge, number of residents served and evaluation of the Average Daily Traffic (ADT)
- | Sufficiency ratings and status identified as Structurally Deficient (SD) or Functionally Obsolete (FO) as defined by Caltrans
- | Site visits and visual inspection
- | Feasibility of programming

The eight bridges for which applications were submitted for are as follows:

<u>BRIDGE NAME</u>	<u>BRIDGE NUMBER</u>	<u>SUFFICIENCY RATING</u>	<u>DEFICIENT OR OBSOLETE</u>	<u>PROJECT TYPE</u>
1. Dry Creek Road Bridge	21C0056	18	Structurally Deficient	Replace
2. Chiles-Pope Valley Road Bridge	21C0075	73.4	Structurally Deficient	Rehabilitate
3. Soda Canyon Road Bridge	21C0088	47.5	Functionally Obsolete	Replace
4. Loma Vista Drive Bridge	21C0080	57.2	Functionally Obsolete	Rehabilitate
5. Hardin Road Bridge	21C0058	34.8	Structurally Deficient	Replace
6. Conn Valley Road Bridge	21C0077	42.5	Functionally Obsolete	Replace
7. Larkmead Lane Bridge	21C0108	56.8	Functionally Obsolete	Rehabilitate
8. Berryessa-Knoxville Bridge	21C0074	25.4	Structurally Deficient	Replace

On December 19, 2013, staff submitted Requests for Authorization to proceed with preliminary engineering for both the Chiles-Pope Valley Road Bridge Rehabilitation Project and the Dry Creek Road Bridge Replacement Project.

On April 2, 2014, Caltrans approved the Requests for Authorization for both projects. Now, Program Supplement Agreements N030 and N031 must be executed to proceed with preliminary engineering.

Director of Public Works requests approval of the resolution to authorize the Public Works Director or his designee to sign Program Supplement Agreements No. N030 and N031 with the California Department of Transportation to administering Agency-State Agreement No 04-5921R for the "Chiles-Pope Valley Road Bridge (21C0075) Rehabilitation Project" BRLS 5921(060) and for the "Dry Creek Road Bridge (21C0056) Replacement Project" BRLO 5921(061), respectively.

Approval of the agreements will establish a mechanism by which the California Department of Transportation can reimburse the County with Federal funding programmed for the construction of the "Chiles-Pope Valley Road Bridge Rehabilitation Project" and the "Dry Creek Road Bridge Replacement Project."

SUPPORTING DOCUMENTS

A . Resolution

CEO Recommendation: Approve

Reviewed By: Molly Rattigan