



A Tradition of Stewardship
A Commitment to Service

Agenda Date: 1/24/2017

Agenda Placement: 6G

NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

TO: Board of Supervisors

FROM: Rick Marshall for Steven Lederer - Director of Public Works
Public Works

REPORT BY: Mallika Ramachandran, Engineering Supervisor - 259-8194

SUBJECT: Award of Professional Service Agreement for Chiles-Pope Valley Road Bridge Over Chiles Creek Br. No. 21C0075, RDS 15-23

RECOMMENDATION

Director of Public Works requests approval of and authorization for the Chair to sign an agreement with Biggs Cardosa Associates for a maximum of \$707,515 for the term January 24, 2017 through June 30, 2017 with an automatic annual extension provision for a maximum of five additional years for the design of the Chiles-Pope Valley Road Bridge Over Chiles Creek Br. No. 21C0075, RDS 15-23.

EXECUTIVE SUMMARY

Public Works staff has identified the team led by Biggs Cardosa Associates as the most qualified team to provide the design services for the Chiles-Pope Valley Road Bridge Over Chiles Creek Br. No. 21C0075, RDS 15-23. Biggs Cardosa Associates is not a local vendor.

It is anticipated that engineering costs will occur in Fiscal Year 2016-17, FY 2017-18 and Fiscal Year 2018-19. Construction is anticipated to occur in Fiscal Year 2019-20. After completion of the preliminary engineering phase, CEQA/NEPA clearance and final design, staff will submit a request for authorization for the construction phase funds to Caltrans. All other future impact is limited to routine road maintenance as is currently performed.

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 14010-50172 Chiles Creek Bridge-Pope Valley
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The Chiles-Pope Valley 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 037-F.
Is the general fund affected?	No
Future fiscal impact:	Chiles-Pope Valley Road Bridge is designated as an On-System Bridge and it is eligible for 88.53% Federal funding with Roads funds as match for the 11.47% local match. The total estimated project cost including design, environmental clearance, right-of-way, construction engineering and construction is approximately \$6,300,000. The FY2016-17 budget only include the cost for Preliminary Engineering. Preliminary Engineering funds (E76 for PE) have been approved in the amount of \$745,653. The County share for the 11.47% local match, disallowed staff billing rate and other expenses is approximately \$168,285 for the PE phase which will be supplemented by Roads Funds. It is anticipated that preliminary engineering costs will occur in Fiscal Year 2016-17, Fiscal Year 2017-18 and Fiscal Year 2018-19. Construction is anticipated to occur in Fiscal Year 2019-20. After completion of the preliminary engineering phase, CEQA/NEPA clearance and final design, staff will submit a request for authorization for the construction phase funds. 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 this bridge from being replaced.
Additional Information:	

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 our bridge inventory. County staff evaluated 14 bridges and the following seven bridges were prioritized for the first phase of the Highway Bridge Program:

ITEM	BRIDGE NUMBER	LOCATION	SUFFICIENCY RATING (SR)
1	21C0056	Dry Creek Road over Dry Creek	18, SD
2	21C0075	Chiles-Pope Valley Rd over Chiles Creek	54.9, SD
3	21C0088	Soda Canyon Road over Soda Creek	47.5, FO
4	21C0080	Loma Vista Drive over Soda Creek	57.2, FO
5	21C0058	Hardin Road over Maxwell Creek	34.8, SD
6	21C0077	Conn Valley Road over Conn Creek	42.5, FO
7	21C0074	Berryessa-Knoxville over Eticuera Creek	25.4, SD

Key to Table:

Sufficiency Rating is on a 0 to 100 scale (lower number means worse condition)

SD=Structurally Deficient

FO=Functionally Obsolete

The prioritization of the bridges was based on the following:

- | Off system bridges because currently there is 100% funding available utilizing 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 flagged Structurally Deficient (SD) or Functionally Obsolete (FO)
- | Site visits and visual inspection; and
- | Feasibility of programming.

On January 25, 2013, the Public Works Department submitted Highway Bridge Rehabilitation & Replacement Program (HBRRP) applications to program the seven bridges in the Federal Transportation Improvement Program (FTIP). The bridges are programmed to be completed over the next ten to fifteen years.

Chiles-Pope Valley Road Bridge Over Chiles Creek Br. No. 21C0075, was constructed in 1907 and is approximately 109 years old and the sufficiency rating is 54.9. The deck has large transverse cracks and shallow spalls with exposed rebar, the masonry arch is showing signs of deterioration, and the footings are exposed. Additionally, the bridge geometry is substandard.

In order to support this project and various other projects, the Napa County Public Works Department released a Request for Qualifications (RFQ) inviting consulting firms to provide On Call Engineering Support and Construction Support Services. The RFQ was advertised widely and staff outreached to local vendors. Seven consultant submitted qualifications in response to this request for qualifications (RFQ). From this pool of seven consultants, two firms were short-listed based on the following five criteria:

- | Responsiveness to Request for Statement of Qualifications — breadth and depth of response; overall quality, responsiveness and completeness;
- | Organization and Technical Qualifications of the team (licenses and certifications held by the firm and

key staff);

- | Relevant Experience and Expertise for the services. Proven experience and qualifications related to required services for the design and construction of public works capital improvement projects (roads/bridges/drainage systems);
- | Understanding and Approach. Availability and ability of firm to provide the service; and
- | The professional reputation of firm, and satisfaction of current and/or prior clients.

The two selected consultants are:

1. Biggs Cardosa Associates, Inc. of Oakland, California
2. Moffat & Nichol, of Walnut Creek, California

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SUPPORTING DOCUMENTS

None

CEO Recommendation: Approve

Reviewed By: Bret Prebula