



A Tradition of Stewardship
A Commitment to Service

Agenda Date: 9/1/2020

Agenda Placement: 6F

NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

TO: Board of Supervisors

FROM: Steven Lederer - Director of Public Works
Public Works

REPORT BY: DANIEL BASORE, ENGINEERING SUPERVISOR - 259-8328

SUBJECT: SB-1-Mt. Veeder Road Bridge MPM 2.13, RDS 20-26 - Award of Construction Contract;
Amendment to Professional Services Agreement No. 200304B with ADKO Engineering.

RECOMMENDATION

Director of Public Works requests the following:

1. Award of the contract to the lowest bidder, Pat Nelson Construction Inc. of Petaluma, California for their base bid of \$393,640 and authorize the Chair to sign the construction contract for the SB-1-Mt. Veeder Road Bridge MPM 2.13, RDS 20-26;
2. Approval of and authorization for the Chair to sign Amendment No. 1 to Agreement No. 200304B with ADKO Engineering increasing maximum compensation by \$26,494 for Mt. Veeder Road Bridge MPM 2.13, RDS 20-26 for a new maximum of \$71,042 for additional design and construction support and increasing maximum compensation by \$9,000 for Buhman Road Bridge, RDS 20-25 for a new maximum of \$221,483 and for a new accumulated total of \$292,525; and
3. Approval of Budget Transfer No. DPW006 for the following (4/5 vote required):
 - a. Increase appropriations by \$563,728 in the SB-1 Non-Operating Special Revenue Fund (Fund 2440, Sub-Division 1220052) with the use of its available fund balance to be transferred to Program 20037; and
 - b. Increase appropriations by \$563,728 in Program 20037 (SB-1-Mt. Veeder Road Bridge MPM 2.13 Project) budget offset by an increase in revenue from the transfer from the SB-1 Non-Operating Special Revenue Fund.

EXECUTIVE SUMMARY

The 2014 Napa Earthquake damaged the Mt. Veeder Road bridge (MVB) at mile post market 2.13 on Mt. Veeder Road. The damage resulted in a reduced load capacity (12 tons). The MVB Repair Project consists of a new cast-in-place (CIP) 25-foot long by 22'-4" wide reinforced concrete slab bridge supported on cast-

in-drilled-holes (CIDH) piles that will span over the existing bridge. The new bridge will provide two 11' wide travel lanes and new bridge rails on both sides. The existing guardrails will be replaced and the bridge roadway approaches will be reconstructed. Construction is anticipated to commence in September of 2020 and to be completed by December of 2020, weather permitting.

On April 14, 2020, the Board of Supervisors approved a budget of \$44,547 and awarded an agreement to ADKO Engineering for engineering and design of the project. On July 14, 2020, the Board of Supervisors approved the MVB Plans and Specifications and authorization to advertise for sealed bids and opening of the bids pursuant to Section 20150.8 of the Public Contract Code. As anticipated in the July 14th Agenda item, a budget transfer is being requested to award a construction contract and to amend the existing professional service agreement with ADKO for additional design and construction support.

The Director of Public Works recommends that the Board award the contract to Pat Nelson Construction Inc., for their base bid of \$393,640, approve the budget transfer, and authorize the Chair to sign the construction contract.

The Director of Public Works also requests approval of and authorization for the Chair to sign an amendment number 1 with ADKO Engineering increasing the maximum compensation by \$26,494 for Mt. Veeder Road Bridge MPM 2.13, RDS 20-26 for a new maximum of \$71,042 for additional design and construction support; and increasing the maximum compensation by \$9,000 for Buhman Road Bridge, RDS 20-25 for a new maximum of \$221,483 and for a new accumulated total of \$292,525 (\$71,042 + \$221,483).

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	No
What is the revenue source?	<p>On December 17, 2019, the Board approved Budget Transfer No. DPW020 which increased appropriations by \$85,000 in Roads CIP Fund 2040, Sub-Division 2040500 - Mt. Veeder Road Bridge MPM 2.13 (Program 20037); and increased appropriations by \$30,000 in Roads CIP Fund 2040, Sub-Division 2040500 - Buhman Road Bridge (Program 20035), both offset by revenue from the transfer from the SB1 Special Revenue Fund (Fund 2440, Sub-Division 1220052). On April 14, 2020, the Board approved Budget Transfer No. DPW038 increasing appropriations by \$262,484 in Roads CIP Fund 2040, Sub-Division 2040500 - Buhman Road Bridge (Program 20035) offset by revenue from transfer from the SB1 Special Revenue Fund (Fund 2440, Sub-Division 1220052).</p> <p>The proposed budget transfer to fully fund Program 20037 will come from the SB1 Special Revenue Fund (Fund 2440, Sub-Division 1220052).</p> <p>At this time, staff is only requesting a budget adjustment for Program 20037. The request to increase appropriations to ADKO Engineering in Program 20035 will be offset by the revenue previously allocated to Public Works engineering and administrative time in Program 20035 from the SB1 Special Revenue Fund noted above.</p>

No additional budget transfer is needed at this time. Public Works staff will return to the Board at a later date to request a budget transfer from the SB1 Special Revenue Fund (Fund 2440, Sub-Division 1220052) to fully fund Program 20035 at award of construction contract.

Is it Mandatory or Discretionary?

Discretionary

Discretionary Justification:

Awarding the contract is necessary to move the project forward to construction.

Is the general fund affected?

No

Future fiscal impact:

For Mt. Veeder Road Bridge MPM 2.13, construction is expected to commence in Fiscal Year 2020-21 and be complete in 2020-21. The future fiscal impact will be limited to routine maintenance of the road and bridge. For Buhman Road Bridge, design is anticipated to be complete in Fiscal year 2020-21 with construction being completed in Fiscal Year 2021-22.

Consequences if not approved:

The Mt. Veeder Road MPM 2.3 project will not proceed to the construction phase, resulting in the reduced load capacity remaining limiting the type of traffic that can traverse Mt. Veeder Road. For the Buhman Road Bridge project, the project could be permanently delayed until the appropriate environmental studies/surveys can be performed.

County Strategic Plan pillar addressed:

Livable Economy for All - The Project will improve the existing transportation and roads system to safely accommodate all users.

Additional Information:

ENVIRONMENTAL IMPACT

Consideration and possible adoption of a Categorical Exemption Class 1, 2 and Statutory

Exemption: 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 "Emergency Projects" which may be found in the guidelines for the implementation of the California Environmental Quality Act at 14 CCR §15269; see also Napa County's Local Procedures for Implementing the California Environmental Quality Act, Section 503.]; [See Class 1 ("Existing Facilities") and Class 2 ("Replacement or Reconstruction") which may be found in the guidelines for the implementation of the California Environmental Quality Act at 14 CCR § 15301 and § 15302 ; see also Napa County's Local Procedures for Implementing the California Environmental Quality Act, Appendix B]

BACKGROUND AND DISCUSSION

The Mt. Veeder Road Bridge (MVB) located at mile post marker (MPM) 2.13 on Mt. Veeder Road suffered damage during the 2014 Napa Earthquake. While the damage was not substantial enough to close the bridge to public traffic, it was enough to reduce the load capacity to 12 tons. The earthquake transverse loading created culvert cracks with a pattern that runs longitudinally along the road. The repair solution consists of a new concrete bridge over the existing culvert supported on piers, reconstruction and rehabilitation of roadway, rock slope protection to support reconstructed roadway, and guardrail replacement in the project vicinity.

On April 14, 2020, the Board of Supervisor approved a single professional service agreement (PSA) in the amount of \$44,547 for the MVB Project and \$212,483 for the Buhman Road Bridge (BRB) Project (combined total of \$257,030) awarded to ADKO Engineering for engineering and design of the MVB and BRB projects.

Today, Public Works staff is proposing approval of Amendment No. 1 to ADKO's PSA in a total amount of \$35,494. The proposed amendment increases the MVB design (Program 20037) amount by \$26,949 to include additional design and construction support for the MVB Project as a result of two factors: (1) The increased level of effort in design and engineering for a replacement bridge rather than a bridge repair as the bridge repair would not be guaranteed to bring the existing bridge up to current standards. Due to the age and construction of the existing bridge, it would have to be load tested after repair to determine increased load capacity; (2) An agreement with Miller Pacific Engineering Group, a subconsultant of ADKO Engineering, to provide geo-technical construction observation and testing during construction for quality control and quality assurance purposes. The increase is justified by providing a bridge that meets today's standards versus completing a repair project to potentially discover the bridge is still substandard, as well as taking the necessary measure to ensure a quality construction project. Additionally, the proposed amendment increases the BRB design (Program 20035) amount by \$9,000 to account for Task 5.1: Biological Resources Assessment and Letter Report, which was included in the original negotiated scope of work. However, the consultant inadvertently did not include the cost of the task in the original budget of the agreed upon scope of work. Public Works staff agreed to the Task 5.1 in the original agreement negotiations as being necessary to complete the project and has determined after reviewing the budget with the consultant that compensation for the work is appropriate and should be accounted for in the budget. The proposed amendment will bring the maximum amount of the PSA with ADKO to \$292,525.39.

At the Board of Supervisors (Board) meeting on July 14, 2020, the engineer's cost estimate for the MVB Project was \$430,000 (which included \$85,000 previously allocated for design and project management). The increased project cost is based on actual bids received for the project. It should be noted Public Works has observed some increases in construction prices due to the COVID-19 Pandemic and ongoing labor and materials shortages.

On July 14, 2020, the Board of Supervisors approved plans and specifications for this Project and authorized the Director of Public Works to advertise and open bids for the project pursuant to Section 20150.8 of the Public Contract Code. On August 20, 2020, the following bids were received:

Bidders	Base Bid
Pat Nelson Construction Inc. of Petaluma, CA	\$ 393,640.00
Granite Rock Company of San Jose, CA	\$ 520,542.00
Bridgeway Civil Constructors of Vacaville, CA	\$ 568,586.00
Valentine Corporation of San Rafael, CA	\$ 578,369.00
Gordon N. Ball Inc. of Alamo, CA	\$ 648,750.00
Viking Construction Co. of Rancho Cordova, CA	\$ 664,595.00

The lowest responsive bid of \$393,640 from Pat Nelson Construction Inc. of Petaluma, California is less than

the engineer's construction cost estimate of \$400,000. The total project budget with the addition of engineering design, construction management, project management, special inspection and contingency is \$648,728. In addition to a previous appropriation of \$85,000, a budget transfer of \$563,728 is needed to move this project to construction.

Pat Nelson Construction Inc. is not a local vendor however, the Public Contract Code requires that the construction contract be awarded to the lowest responsible bidder regardless of whether the low bidder is local or not. Staff reached out to the local construction contractor community by advertising the request for bids in the Napa Valley Register and the Solano-Napa Builder's Exchange, and by posting on the County website. Staff also sent "Notices to Contractors" to the local construction community. Once the construction contract is awarded the County will contact the Napa County Workforce Investment Board (WIB) and require the successful contractor to contact the WIB and let the WIB know of its hiring needs.

The Director of Public Works recommends approval of the requested budget transfer and award of the contract for the MVB, RDS 20-26, to Pat Nelson Construction Inc. of Petaluma, California, for their low base bid of \$393,640 and authorization for the Chair to sign the construction contract.

The Director of Public Works also recommends approval of and authorization for the Chair to sign an Amendment No. 1 with ADKO Engineering increasing the maximum compensation by \$26,494 for Mt. Veeder Road Bridge MPM 2.13, RDS 20-26 (Program 20037) for a new maximum of \$71,042 for additional design and construction support; and increasing the maximum compensation by \$9,000 for Buhman Road Bridge, RDS 20-25 (Program 20035) for a new maximum of \$221,483 resulting in a new accumulated total of \$292,525.

SUPPORTING DOCUMENTS

- A . RDS 20-25_Budget
- B . RDS 20-26_Budget

CEO Recommendation: Approve

Reviewed By: Susan Kuss