Dry Creek Bridge Replacement BR# 21C-0056
Fact Sheet – May 2021

Napa County has prepared Type Selection Report for the Dry Creek Bridge Replacement Project. Please feel free to contact the County with any questions.

PROJECT DESCRIPTION:
The Dry Creek Rd Bridge is a 34-foot spanning over Dry Creek. The bridge was originally built in 1920 at the western leg of a hairpin curve in Dry Creek Road where it intersects with Dry Creek Fork Road. The existing structure has been rated as structurally deficient and functionally obsolete per Caltrans Bridge Inspection Report.

Per Caltrans Bridge Inspection Report, the bridge requires following:
- Repair the metal rails beyond the bridge
- Repair the retaining wall at the bridge
- Provide Scour protection to protect the bridge

The County and our consultant Biggs Cardosa in consultation with California Department of Highway Transportation (CALTRANS) have evaluated various repair options for the bridge. The following are some considerations for the design evaluation:
- Environmental Preservation
- Structural strengthening of the bridge
- Minimum required lane widths
- Crash compliant safety barriers
- Public sentiments
- Cost
STATUS:

- Completed collecting all the necessary data (existing materials testing, topographical survey, right-of-way mapping, geological exploration, biological conditions survey, etc.)
- Identified the structural deficiencies and have proposed the potential solutions
- Completed the Preliminary Engineering Phase and prepared the Type Selection Report to determine best suited bridge alternative
- In the process of completing the environmental studies and memos.

SUMMARY:

The County proposes to replace the existing bridge structure. The existing bridge and roadway would be removed while maintaining access to the properties along Dry Creek Road and Dry Creek Fork Road. The new bridge would be constructed along a roughly east-west alignment located approximately 150 feet south of the existing bridge in order to straighten the bridge approach and bypass the hairpin curve segment of Dry Creek Road.

The following improvements are proposed:

- The new structure would be single span and approximately 32 feet wide with two 11-foot lanes (one in each direction) and three-foot shoulders on each side of the bridge.
- The new bridge would be approximately 81 feet in length, which is approximately 50 feet longer than the existing structure.
- Standard Caltrans concrete barriers would be utilized with tubular bicycle railing on each side of the bridge deck.
- Access to existing properties would be maintained during construction and a permanent connector would be provided with the new structure.
- Rock slope protection (RSP) would be placed in front of the proposed abutments to protect against scour.
PROJECT SCHEDULE:

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- Preliminary Engineering Design
- Environmental Studies
- Final Design
- Bidding/Construction

X1: Information Gathering; X2: Meet with residents to present design development; X3: Meet with residents to answer any questions on the environmental document; X4: Notification to residents on upcoming construction schedule.

THANK YOU IN ADVANCE

The County of Napa thanks the neighbors and roadway users in advance, for their patience and cooperation as we continue to enhance and strengthen critical links such as this bridge to withstand earthquakes and maintain the character and charm of Napa Valley. Access across Dry Creek and seismic safety of our infrastructure are critical for Napa County residents. We will do all we can to minimize inconveniences over the duration of this project.

Full traffic control will be implemented during construction.

PROJECT QUESTIONS:

Graham Wadsworth, P.E.
Engineering Supervisor
Napa County, Department of Public Works
Phone: (707) 259-8331
Email: Graham.Wadsworth@countyofnapa.org
Website: https://www.countyofnapa.org