



COUNTY OF HUMBOLDT

For the meeting of: 6/23/2020

File #: 20-690

To: Board of Supervisors

From: Public Works

Agenda Section: Consent

SUBJECT:

Bridge Preventive Maintenance to McCann Bridge (04C-0172) and Storm Damage Repair to McCann Road (6D090) Post Mile 1.25

RECOMMENDATION(S):

That the Board of Supervisors:

1. Approve the attached plans and specifications for the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project; and
2. Direct the Clerk of the Board to advertise the above-mentioned project as required by Section 22037 of the California Public Contract Code, with bids to be opened on Tuesday, July 28, 2020, at 2:00 p.m.

SOURCE OF FUNDING:

Road Fund (1200); Federal Emergency Management Agency, California Governor's Office of Emergency Services and Federal Highway Administration's Bridge Preventive Maintenance Program

DISCUSSION:

The McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project is located along the main stem of the Eel River approximately six (6) miles east of Highway 101 off Dyerville Loop Road.

The community of McCann uses the low-level McCann Bridge (04C-0172) to access rural properties and residences during times of low flow for about six (6) to nine (9) months of the year. A ferry operated by the County of Humboldt is used for access when the Eel River rises above the McCann Bridge (04C-0172). The proposed preventive maintenance of the McCann Bridge (04C-0172) includes repairing damaged concrete curbing, wingwalls and spalled concrete on the deck and soffit of the bridge, as identified by the California Department of Transportation's Bridge Inspection Reports, in order to ensure that the public may continue to safely cross the Eel River during times of low flow. The Humboldt County Department of Public Works ("Public Works") prepared the attached plans and specifications for the proposed preventive maintenance of the McCann Bridge (04C-0172) based on topographic surveys and review conducted by Public Work's on-call bridge consultant.

On June 2, 2020, Public Works received approval from the Federal Highway Administration's Bridge Preventive Maintenance Program to proceed with the proposed bridge preventive maintenance of the McCann Bridge (04C-0172) using advance construction funding. Advance construction funding requires that the County of Humboldt fund the proposed maintenance of the McCann Bridge (04C-0172) until federal aid funding is allocated in the next federal fiscal year.

On Feb. 14, 2017, the Federal Emergency Management Agency declared a disaster for Humboldt County due to severe winter storms, flooding and mudslides. McCann Road (6D090) Post Mile 1.25 experienced roadway failure due to runoff erosion and saturated embankment soils slipping beneath the roadway. The embankment failure resulted in temporary road closure. Public Works road crews reopened the roadway to provide emergency access until a permanent repair is completed.

On Sept. 20, 2019, Public Works received approval from the Federal Emergency Management Agency to proceed with the proposed storm damage repairs to McCann Road (6D090) Post Mile 1.25. Public Works prepared the attached plans and specifications for the proposed storm damage repairs based on a topographic survey of the damaged area conducted by Ontiveros and Associates, a geotechnical study prepared by Crawford and Associates and design engineering reports prepared by Public Works. The proposed storm damage repairs to McCann Road (6D090) Post Mile 1.25 consist of constructing rock slope buttress, reinforcing the embankment with geosynthetic material, installing underdrainage, restoring the road surface to pre-disaster conditions with hot mix asphalt and aggregate base and installing sediment and erosion control items.

Accordingly, Public Works recommends that the Board of Supervisors approve the attached plans and specifications and advertise the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project.

FINANCIAL IMPACT:

There is no financial commitment until the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project is awarded. The proposed preventive maintenance of the McCann Bridge (04C-0172) will be funded by the Federal Highway Administration's Bridge Preventive Maintenance Program (88.53%) and the Humboldt County Road Fund (11.47%). The proposed storm damage repairs to McCann Road (6D090) Post Mile 1.25 will be funded by Federal Emergency Management Agency Disaster Funds (75%), California Governor's Office of Emergency Services funding (18.75%) and the Humboldt County Road Fund (6.25%).

The engineer's cost estimate for the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project is Seven Hundred Fifty-Five Thousand Nine Hundred Ninety Dollars (\$755,990.00). The Humboldt County Road Fund will be responsible for Fifty-Five Thousand Nine Hundred Ninety-Eight Dollars and Ten Cents (\$55,998.10) of the costs associated with the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project.

Expenditure appropriations related to completion of the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project have been

included in the approved fiscal year 2019-2020 budget for Road Fund budget unit 321. As a result, the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project will not impact the Humboldt County General Fund.

STRATEGIC FRAMEWORK:

The recommended actions support the Board of Supervisors' Strategic Framework by providing for and maintaining infrastructure.

OTHER AGENCY INVOLVEMENT:

Federal Highway Administration, Federal Emergency Management Agency, California Governor's Office of Emergency Services, California Department of Transportation

ALTERNATIVES TO STAFF RECOMMENDATIONS:

The Board of Supervisors may choose not to approve the attached plans and specifications for the McCann Bridge (04C-0172) Preventive Maintenance and McCann Road (6D090) Post Mile 1.25 Storm Damage Repair Project. However, this alternative is not recommended because the project will repair the McCann Bridge (04C-0172) and restore the roadway failure on McCann Road (6D090) Post Mile 1.25 to pre-disaster conditions using funds that would not otherwise be available to the County of Humboldt.

ATTACHMENTS:

1. Plans and Specifications for Bridge Preventive Maintenance to McCann Bridge (04C-0172) on McCann Road (6D090) Post Mile 0.03 and Storm Damage Repair to McCann Road (6D090) Post Mile 1.25, Project No. BPMP 5904(141) and FEMA 4308-DR-CA PW-1323; Contract Numbers 216141 and 217306

PREVIOUS ACTION/REFERRAL:

Board Order No.: N/A

Meeting of: N/A

File No.: N/A