



AGENDA ITEM NO.
C13

COUNTY OF HUMBOLDT

For the meeting of: April 24, 2018

Date: April 4, 2018

To: Board of Supervisors

From:  Thomas K. Mattson, Public Works Director

Subject: Consultant Services Agreements with Quincy Engineering, Inc. Regarding the Provision of Design Engineering and Environmental Services for the Holmes-Larabee and McCann Bridge Projects

RECOMMENDATIONS:

That the Board of Supervisors:




1. Approve the selection of Quincy Engineering, Inc. as the consulting firm to provide design engineering and environmental services for the Holmes-Larabee Bridge Project [Federal Aid Project Number BRLO-5904(138)];
2. Approve, and authorize the Chair of the Board to execute, the attached consultant services agreement with Quincy Engineering, Inc., regarding the provision of design engineering and environmental services for the Holmes-Larabee Bridge Project [Contract Number 594171];
3. Approve the selection of Quincy Engineering, Inc. as the consulting firm to provide design engineering and environmental services for the McCann Bridge Project [Federal Aid Project Number BRLO 5904(147)];
4. Approve, and authorize the Chair of the Board to execute, the attached consultant services agreement with Quincy Engineering, Inc. regarding the provision of design engineering and environmental services for the McCann Bridge Project [Contract Number 594172]; and
5. Direct the Clerk of the Board to return two (2) fully executed original copies of the attached consultant services agreements to the Department of Public Works for further processing.

Prepared by _____ Tony Seghetti/Jeffrey A. Ball _____

CAO Approval  _____

REVIEW: Auditor  County Counsel  Personnel  Risk Manager _____ Other _____

TYPE OF ITEM:
 Consent
 Departmental
 Public Hearing
 Other _____

BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT
Upon motion of Supervisor  Seconded by Supervisor 
Ayes 
Nays _____
Abstain _____
Absent _____

PREVIOUS ACTION/REFERRAL:

Board Order No. C-16

Meeting of: March 14, 2017

and carried by those members present, the Board hereby approves the recommended action contained in this Board report.

Dated: 4/24/18

By:  _____

SOURCE OF FUNDING:

Road Fund-Federal Highway Administration Highway Bridge Program and the Toll Credit Bridge Replacement Fund.

DISCUSSION:

The Holmes-Larabee Bridge (4C-171) is a three hundred and thirty-one (331) foot long, multi-span bridge. The bridge is located on Holmes Flat Road approximately one point seven (1.7) miles east of the Avenue of the Giants (State Route 254), near Redcrest, California. Holmes Flat Road provides access across the Eel River for timber companies, ranchers and local residents. The bridge was originally constructed in 1937 with timber deck and piles. It was sold to the County of Humboldt in 1959 and was modified shortly thereafter with a concrete deck reinforced with steel railroad rails. The existing low level structure is the same multi-span concrete slab bridge on timber piles. In 2013, an inspection of the bridge resulted in its closure due to structural deficiencies. On January 12, 2016, the county contracted to rehabilitate the low level bridge with new timber for the bents and pile caps and patch the concrete deck. The work is completed and the existing low-level bridge is anticipated to be functional until the new bridge is constructed.

The McCann Bridge (4C-172) is a three hundred and two (302) foot long, single lane, multi-span, low level bridge crossing over the Eel River. The bridge is located on McCann Road Post Mile 0.03, approximately six (6) miles east of Highway 101 off Dyerville Loop Road. The bridge was constructed in 1965 with a reinforced concrete slab on steel 3-pile bents with reinforced concrete abutments. The McCann Bridge has not been structurally modified since it was originally constructed. The existing bridge (4C-172) has significant structural deficiencies and is programmed for replacement. The county provides a ferry service to residents of McCann during periods of high flow when the existing low level bridge is unpassable.

The purpose of the Holmes-Larabee and McCann Bridge Projects is to provide roads crossing the Eel River that meet current highway design standards and accommodate local and regional transportation needs. The Humboldt County Department of Public Works received approval to proceed with the preliminary engineering phases of both the Holmes-Larabee and McCann Bridge Projects from the Federal Highway Administration ("FHWA") on February 10, 2015 and February 11, 2016, respectively.

Design of the replacement structures for both the Holmes-Larabee and McCann Bridges will require environmental studies, geotechnical site investigations, hydraulic and structural analyses, alignment evaluations, development of construction plans, specifications and cost estimates and design support during construction. The Department of Public Works reviewed the time and expertise needed for this work and had neither the manpower nor the expertise to accomplish all the work, and therefore, recommended to the Board of Supervisors that a Request for Qualifications ("RFQ") which solicited the required services be issued.

On March 14, 2017, the Board of Supervisors authorized the Clerk of the Board to advertise and distribute RFQ No. DWP2017-002 regarding the provision of design engineering and environmental services for both the Holmes-Larabee and McCann Bridge Projects. The county, in conjunction with the California Department of Transportation ("Caltrans") staff, conducted interviews of the six (6) consultant teams that submitted statements of qualifications in response to RFQ No. DWP2017-002) on June 6 and June 7, 2017. The interview panel selected Quincy Engineering, Inc. as the most qualified team and began the contract negotiation process on June 16, 2017.

The county has reached an agreement with Quincy Engineering, Inc. regarding the scope of services, project schedule and costs pertaining to the provision of design engineering and environmental services for

both the Holmes-Larabee and McCann Bridge Projects. The county has also secured the necessary approvals from the Audits and Investigations and Local Assistance Divisions of Caltrans as required by the Caltrans Local Assistance Procedures Manual.

FINANCIAL IMPACT:

The maximum amount payable for the design engineering and environmental services rendered, and costs and expenses incurred, for the Holmes-Larabee Bridge Project is \$3,867,600.00. The maximum amount payable for the design engineering and environmental services rendered, and costs and expenses incurred, for the McCann Bridge Project is \$3,435,500.00. The Holmes-Larabee and McCann Bridge Projects are being funded through the FHWA, Highway Bridge Program and Toll Credits, which will provide one hundred (100) percent of the funds for both projects. As a result, approval of the attached consultant services agreements with Quincy Engineering, Inc. will not impact the Humboldt County General Fund.

The costs and expenses for the provision of design engineering and environmental services related to the Holmes-Larabee and McCann Bridge Projects were originally estimated at \$2,150,000.00 as set forth in Section 8.1(3)(B) of RFQ No. DPW2017-002. However, after reviewing the statement of qualifications from the six (6) consultants, and completing cost negotiations with Quincy Engineering, Inc., staff determined that the original cost estimate was infeasible. The initial estimate was based on construction costs for bridges of inadequate size and span to safely meet the current FHWA design standards. As a result, a revised cost analysis was developed by staff that accounted for the proposed size and location of the replacement bridges, environmental impacts, cost escalation and indirect costs allowed by FHWA. Quincy Engineering, Inc. will be responsible for keeping project costs within the amounts provided by the FHWA Highway Bridge Program. If costs exceed the amounts provided by FHWA, Quincy Engineering, Inc. will be responsible for assisting the county with securing additional Federal Aid funds.

The recommended actions conform to the Board of Supervisors' Core Role of providing for and maintaining infrastructure as identified in the Board's Strategic Framework.

OTHER AGENCY INVOLVEMENT:

California Department of Transportation, Federal Highway Administration

ALTERNATIVES TO STAFF RECOMMENDATIONS:

The Board of Supervisors may choose not to approve the attached consultant services agreements with Quincy Engineering, Inc. regarding the provision of design engineering and environmental services for the Holmes-Larabee and McCann Bridge Projects. However, this alternative is not recommended since it will not allow for the replacement of the Holmes-Larabee and McCann Bridges using funds that would not otherwise be available to the county.

ATTACHMENTS:

1. Consultant Services Agreement with Quincy Engineering Inc. Regarding the Provision of Design Engineering and Environmental Services for the Holmes-Larabee Bridge (4C-171) on Holmes Flat Road (5E020); Project Number BRLO-5904(138); Contract Number 594171
2. Consultant Services Agreement with Quincy Engineering Inc. Regarding the Provision of Design Engineering and Environmental Services for the McCann Bridge (4C-172) on McCann Road (6D090); Project Number BRLO-5904(147); Contract Number 594172