

Staff Report

for the Regular Meeting of the Board of Directors, October 12, 2016

TO: Board of Directors

FROM: Gary King, Engineering Manager
Doug Roderick, Senior Engineer

DATE: October 4, 2016

SUBJECT: Centennial Reservoir Project – Dog Bar Road Realignment Study

ENGINEERING

RECOMMENDATION:

Receive and file Dog Bar Road Realignment Study for the Centennial Reservoir Project.

BACKGROUND:

The existing Dog Bar Bridge crossing is within the proposed Centennial Reservoir footprint. Quincy Engineering Inc. (Quincy) was contracted to perform a realignment study to look at potential crossing locations. Quincy used the available LiDAR, topo and aerial data along with several field visits to locate potential new Bear River crossing locations.

Four potential alternative crossings were identified. Roadway and bridge design criteria were established and multiple bridge types were considered. Based on the topography and height of the bridge, the most constructible, cost effective and lowest maintenance bridge is a cast-in-place segmental concrete bridge. Preliminary alignments, engineering and scoping level cost estimates were developed for each of the four alternatives.

A performance methodology utilizing 8 criterion was developed to compare the alternatives. The criterion developed included right of way impacts, travel time, environmental and constructability.

Staff discussed the information presented in the Dog Bar Road Realignment Study at the October 4, 2016 Engineering Committee.

The Study is on file with the District and will be posted to the Centennial Reservoir Project website following this Board meeting.

BUDGETARY IMPACT:

None. Informational item only.