SITE C CLEAN ENERGY PROJECT

Component Application Package – Dry Creek Temporary Access Bridges

Notice of Work
For Canadian Navigable Waters Act

June 2, 2020

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1 INTRODUCTION

The Canadian Navigable Waters Act (CNWA) came into force on August 28, 2019. The CNWA includes a Schedule of navigable waters requiring regulatory approval for works that risk a substantial interference with navigation. Dry Creek is a tributary to the Peace River and is not a CNWA Schedule watercourse. This application for approval under the CNWA is submitted for two temporary bridge crossings over Dry Creek. The two access bridges are planned for a location ~100 m and ~50 m upstream of the existing Highway 29 perched culvert crossing (to be replaced), and 140 m and 85 m respectively, upstream of the Dry Creek confluence with the Peace River (See figure in Appendix A).

The two access bridges would be approximately 10 m long and would likely be supported by concrete lock-block foundations at the abutments. A conceptual drawing is provided in Appendix B which shows the plan view of the two proposed structures as well as the general arrangement of the structures to be installed. The exact configuration of the bridges will be subject to the Contractor’s design and availability of bridge components. A boundary for installation has been identified on the drawings to allow the Contractor flexibility in the placement and arrangement of the construction access. These bridges are designed to pass the 1 in 10 year flow with 0.5 metres of freeboard and would pose a restriction to navigation once installed. These construction access bridges will be removed after the highway bridge is constructed and prior to the Site C reservoir filling.

Location and Land Description

Appendix A shows the location of the temporary access bridge crossings over Dry Creek. The approximate coordinates for the location of the two proposed access bridges are as follows:

56.117329, -121.771187
56.116891, -121.770828

The works would be located on BC Hydro-owned and Crown/MOTI-owned land with the following descriptions:

BC Hydro-owned:

The South East 1/4 of Section 24 Township 82 Range 25 West of the 6th Meridian
Peace River District Except Plans 21821

The South West 1/4 of Section 24 Township 82 Range 25 West of the 6th Meridian
Peace River District Except Plan 30367 and 21821

Crown/MOTI owned:

Portions of Highway 29 and highway Right of Way located within Section 24 Township
82 Range 25 West of the 6th Meridian Peace River District
2 HIGHWAY 29 REALIGNMENT BRIDGE REPLACEMENTS – PRELIMINARY CONSTRUCTION SCHEDULE

The access bridges would enable machine access across the Dry Creek channel to facilitate construction of the highway bridge. The following information on the preliminary construction schedule for each of the Highway 29 bridge replacements is provided for context to support this application that is specific to Dry Creek.

As described in Section 4 of the Site C Environmental Impact Statement (EIS), Highway 29 connects Hudson's Hope to Fort St. John and runs along the north side of the Peace River. It is a two lane rural arterial undivided highway under the jurisdiction of the BC Ministry of Transportation and Infrastructure (BC MoTI). Creation of the reservoir will require realignment of approximately 30 km of existing highway at Lnyx Creek, Dry Creek, Farrell Creek, Halfway River and Cache Creek. Bridges sited at these locations will have to be replaced due to inundation. In anticipation of the potential future navigation use, the vertical and horizontal clearance requirements to support navigation, as mandated by the CNWA, have been taken into account in the bridge designs.

The preliminary construction schedule for the Highway 29 realignment and bridge replacements is outlined below.

Table 1: Preliminary Construction Schedule - Highway 29 Bridge Replacements

<table>
<thead>
<tr>
<th>Bridge</th>
<th>Commencement</th>
<th>Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Halfway River</td>
<td>Late Summer / Fall 2019</td>
<td>Fall of 2022</td>
</tr>
<tr>
<td>Cache Creek</td>
<td>Late Fall / Winter 2019</td>
<td>Fall of 2022</td>
</tr>
<tr>
<td>Farrell Creek</td>
<td>Summer 2020</td>
<td>Fall of 2022</td>
</tr>
<tr>
<td>Lynx Creek</td>
<td>Summer 2020</td>
<td>Fall of 2022</td>
</tr>
<tr>
<td>Dry Creek</td>
<td>Fall 2020</td>
<td>Fall of 2022</td>
</tr>
</tbody>
</table>

The construction schedule is indicative only and subject to change. The purpose of the schedule is to illustrate the general sequence of construction activities, but the dates and schedule may change.

Construction of the two access bridges at Dry Creek is planned to begin in October 2020 and be removed by the end of October 2022.

3 PUBLIC BOATER ACCESS

Construction of the nearby highway bridge and associated overhead works will require temporary closures to boater traffic in the Dry Creek section near to the construction access bridges. These closures would be in place for construction tasks that pose substantive hazards to the public in the immediate area.

Communication to boaters ahead of river closures would be done in accordance with conditions in any issued CNWA permit, including use of local newspaper advertisements. All closures and communications would be done by implementing the Site C Public Safety Management Plan.
Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.
Appendix B - Design Drawings of Temporary Access Bridge Crossings over Dry Creek
NOTES:

1. PROPOSED PILOT CHANNEL DESIGNED TO ACCOMMODATE 1.50 YEAR INSTANTANEOUS FLOW.

DRAFT

ISSUED FOR DISCUSSION - MAY 26, 2020