

HARVIE PASSAGE

2013 FLOOD DAMAGE REPAIR PROJECT UPDATE

September 2016

Welcome to the September 2016 update for the Harvie Passage 2013 Flood Damage Repair project. As the project advances through construction and commissioning, we will keep you informed via this newsletter.

Project Status

Final Engineering Complete and Construction Started

We would like to thank all stakeholders who participated in the development of the final design and the tendering of the Harvie Passage 2013 Flood Damage Repair Project.

Final design of Harvie Passage included: comprehensive numeric hydraulic modelling of the Low Water Channel (LWC); computer-generated earthwork design of the High Water Channel (HWC) and LWC; development of construction drawings and technical specifications; landscape design of the LWC and the divide island between the HWC and LWC was completed by O2 Planning + Design; preparing and supporting regulatory applications; preparing construction cost estimates and preparation of construction tender documents. The construction tender documents were completed in June 2016, tendering occurred in June and July, and the construction contract awarded to Bluebird Contracting Services Ltd. of Calgary, Alberta on July 29, 2016.



Low Water Channel—Landscape Design Concept

Throughout the final engineering and regulatory approval process stakeholder input was solicited at key junctures. Several meetings and conversations with representatives from Alberta Transportation; Alberta Environment and Parks; City of Calgary's Water Resources, Parks, and Fire Department; Department of Fisheries and Oceans Canada; Transport Canada; Calgary River Users Alliance; Harvie Passage Alliance; and Calgary River Valleys.

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Cofferdam Construction - September 1, 2016

Next Stage – Construction

The next stage of the Project is construction. The construction contractor, Bluebird Contracting Services Ltd., mobilized to site in late August and started instream work on August 30, 2016. Work this fall will focus on rehabilitating HWC Drops #3L, #3R, and #4. Depending on construction progress, work will shut down over the winter and start up again in March 2017. The construction of the new LWC is planned from April to October 2017. Instream hydraulic performance testing of the new LWC is scheduled in August 2017. Construction of the entire Project is scheduled to be completed by June 2018.

Project Team

Facility Owner and Operator:

Alberta Environment and Parks

Project Manager:

Alberta Transportation

Engineering Consultants:

Klohn Crippen Berger Ltd
Project management, civil design and construction

Northwest Hydraulics Consultant Ltd
Physical and numeric hydraulics and river morphology

Recreation Engineering and Planning
Recreational hydraulics

SG1 Water Consulting Ltd
Hydraulics and recreational hydraulics

Mr. Charles Walbridge
Aquatic safety specialist

O2 Planning + Design
Landscape Design

Project Goals

The goal for the rehabilitation of Harvie Passage is to reinstate the pre-flood functional intent of the Project.

The key aspects of this goal are:

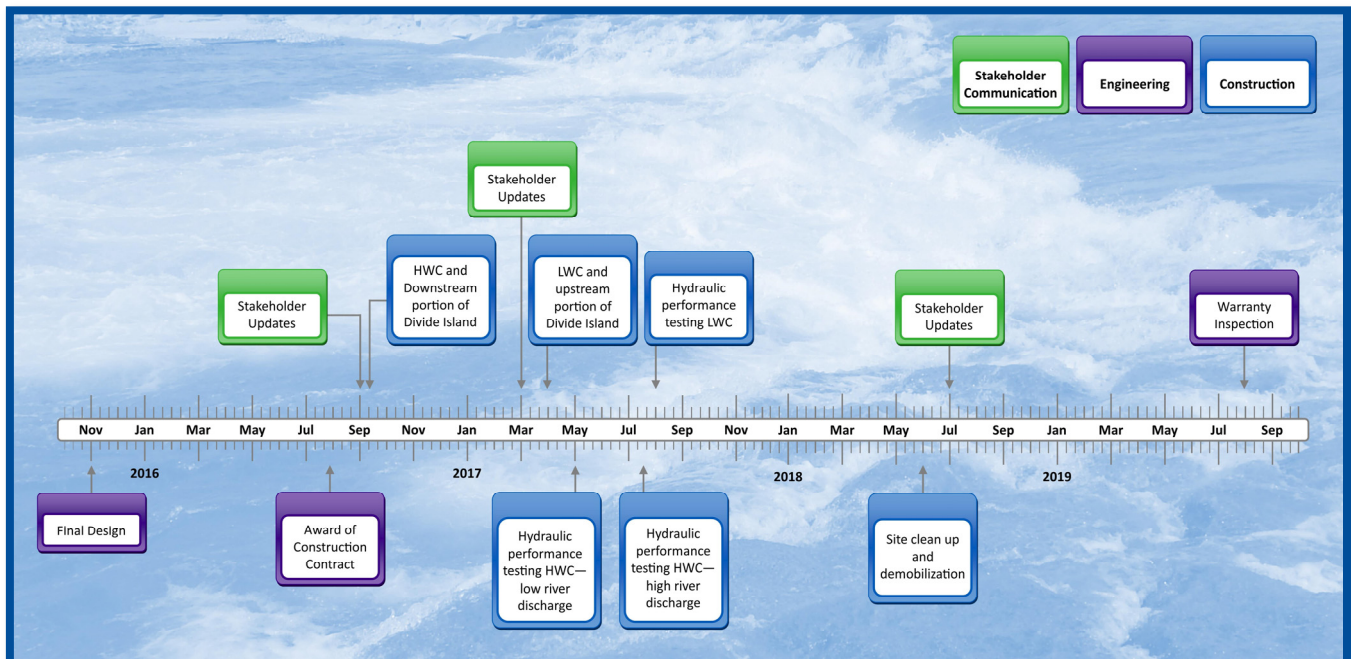
Safety – Allow for safer passage for all types of water craft and fish.

Structure integrity – Design to withstand a 1 in 100 year flood with reasonable levels of maintenance.

Recreation – Provide a variety of features for recreational and educational use.

Project Schedule

Dates are subject to change.



For More Information

An open dialogue with all stakeholders is always important to us. If you have any queries or comments about the Harvie Passage 2013 Flood Damage Repair Project we encourage you to contact Chuck Slack, at 403-730-6848 or cslack@klohn.com.