



Horseshoe Lake Dam

Trent-Severn Waterway National Historic Site

Update on Construction

The first phase of construction has been completed at the Horseshoe Lake Dam construction site, with the removal of the cofferdam. The west side of the dam is now brand new, with two new piers and one full sluice with a concrete deck. Pedestrian access and a visitor area have been improved, and an employee parking area has been installed for Parks Canada dam operators that will be completed with the installation of permanent railings in the next phase.

As a part of the next phase of construction sluices three and four will be fully replaced; more will be forthcoming in the near future regarding that work. Traditionally, spring time operations at Horseshoe Lake Dam are conducted using two sluices. While one sluice is not available at this time, the remaining 3 sluices are operational and are able to provide sufficient capacity for anticipated water management activities.



A Parks Canada engineer, dam operators, and members of the construction team are on-site as stoplogs are lowered into a brand new sluice for the first time. February 2018.

Background

Horseshoe Lake Dam, at the outlet of Horseshoe Lake, near Minden, Ontario was built in 1909. In June 2015, a project to rehabilitate the dam was announced that would include improvements to the physical condition and stability of the dam, its hydraulic capacity, public and operator safety, site access, and mechanical equipment.

A detailed engineering assessment as part of the design of this project indicated that, while the dam remained safe, a full replacement of the dam was the best way to achieve the longest possible asset life. A new dam would also be designed to meet modern design standards for performance and public safety.

Continued challenges in maintaining a dry site within the cofferdam, combined with above average water flows and levels throughout the winter and summer of 2017 contributed to delays in the project. Parks Canada made the decision to close the existing construction contract and re-tender the remainder of the project. Phase two of the project will continue in 2018, staged primarily from the east side of the dam as originally intended.

Water Management

This decision to change the phasing of the project was made in the interest of public safety and flood mitigation, and with water management and the spring melt requirements at the fore. Three sluices will be available for operation and to manage spring flows.

For More Information

To receive email updates regarding this project, please contact us at Ont.TrentSevern@pc.gc.ca and include “Horseshoe Lake Dam” in the subject heading. For news about this or other infrastructure projects in your area, please visit www.parkscanada.gc.ca/tswHaliburton.