

## **City of Calgary Update:** Glenmore Dam infrastructure upgrades - pathway closure effective September 30<sup>th</sup>

The Glenmore Dam has been key part of Calgary's water infrastructure system since the early 1930's. The wear and tear the dam has experienced over 85 years of service, and the ever increasing demands of a growing city, mean the time has come for an extensive upgrade. These improvements will not only extend the life of the dam, but will help manage our drinking water supply and give us the ability to better control low and high river flows.

The first phase of the project involved moving the water and gas utility lines, which ran across the top of the dam, to a new tunnel excavated underneath the Elbow River. Work is now beginning on Phase II, which includes a new bridge deck with better access for maintenance and pathway users, concrete work on the face of the dam, and a new steel gate and hoist system.

While the normal maximum operating levels of the reservoir remains the same, the new gate system will provide greater flexibility to manage reservoir storage during low flows in the winter and high flows in the spring.

### About the project:

- The decommissioned (out of service) gas and water lines on the bridge deck will be removed.
- The entire bridge deck will be demolished.
- Concrete rehabilitation work will be performed on the dam face and deck support elements, including modifications to the spillway face.
- Additional anchoring will be placed through the dam structure.
- New, 2.5m high steel gates, complete with automated hoists, will be installed on the dam spillway.
- A new bridge deck, including an elevated hoist/maintenance platform, will be constructed.

### Construction impacts:

- The public pathway across the Glenmore Dam bridge deck will be closed from September 30<sup>th</sup>, 2017 until project completion (estimated spring 2020). A detour will be in place, and signage will be established prior to and during construction. See the [pathway detour map](#).

- The primary work/laydown area will be located on the south side of Glenmore Dam – access to the site will be from 14th Street SW. Additional work areas will be established north of the dam – access to these will be through the Glenmore Water Treatment Plant North Gate, off of 50th Avenue SW.
- The Glenmore Reservoir may need to be lowered to facilitate certain components of construction – reservoir users have been engaged through City Recreation and updates will be issued accordingly.
- Construction vehicles, equipment and a laydown area for supplies will occupy only the defined work areas. The construction area will be fenced off for safety with no public access to these areas.
- Work will be performed from 7 a.m. until 7 p.m., Monday through Friday, and from 7 a.m. until 2 p.m. Saturdays for approximately 2 ½ years. Periods of 24 hour activity are anticipated but are not expected to cause noise related issues.
- No impacts to traffic are expected.

#### Construction Duration:

Construction is expected to take approximately 2½ years to complete and will begin September 2017.

To learn more about this project, and to see renderings of what the dam and pathway will look like once construction is complete, citizens are welcome to visit [calgary.ca/glenmoreupgrades](http://calgary.ca/glenmoreupgrades).

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