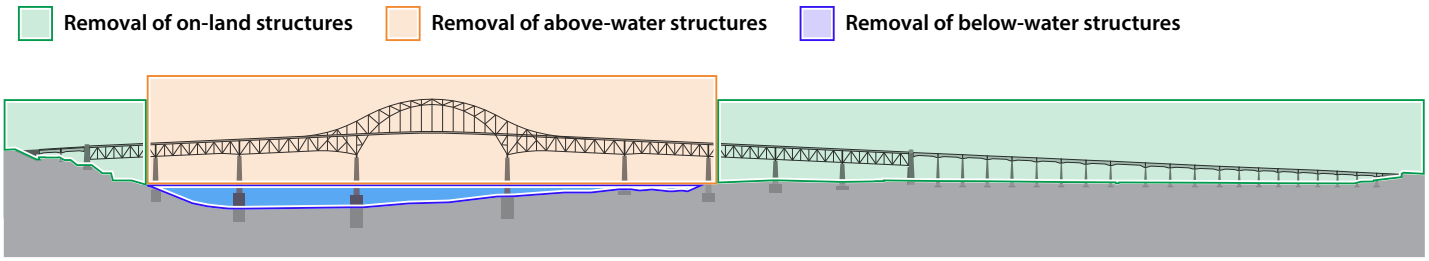
Pattullo Bridge Replacement Project

Bridge Deconstruction

The staʼləw̓asəm (Riverview) Bridge is open, and removal of the Pattullo Bridge is underway. Deconstruction will be completed in three phases: on-land, above-water, and below-water. The process will be completed by the end of 2027, with some removal activities taking place concurrently.



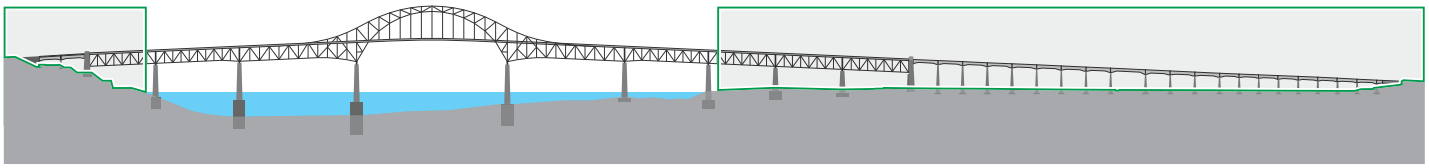
Deconstruction work will take place primarily during daytime hours. Once removed, bridge components will be transported offsite to be recycled, re-used and/or disposed.

Mitigation measures will be in place for noise, dust and to prevent demolition materials from entering sensitive environments.

The Pattullo Bridge approach and old Columbia on-ramp in New Westminster have been removed for construction of the new Columbia on-ramp and multi-use paths.

Removal of on-land structures (early 2026 – 2027)

Removal of the on-land structures is underway in both New Westminster and Surrey.



Demolition of the north and south bridge approaches will start at the bridge deck and progress down to the foundations. Concrete components, including the bridge deck, girders and columns, will be deconstructed using conventional demolition methods involving heavy equipment. Steel trusses will be removed in sections, and lowered to the ground for removal.

Demolition Equipment

Concrete will be broken down using attachments on long-reach excavators, and loaded into dump trucks for removal. Attachments include:

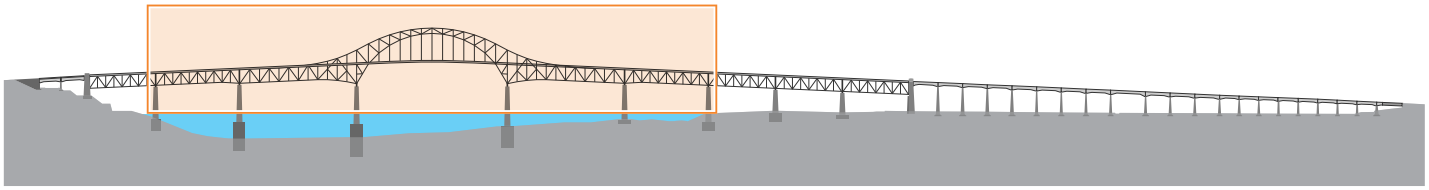
- **Impact hammers** to break the concrete apart (this is the noisiest component of demolition work)
- **Shears** to cut the rebar reinforcement so large pieces can be removed
- **Pulverizers** to break the concrete into smaller pieces

Two excavators working to deconstruct concrete spans in New Westminster.

For information on key traffic changes as a result of bridge deconstruction, please visit our website.

Removal of above-water structures (early 2026 – 2027)

As removal of the on-land structures begins, so will the removal of the above-water structures. This includes the bridge deck, steel truss and archway, and foundations as shown below.



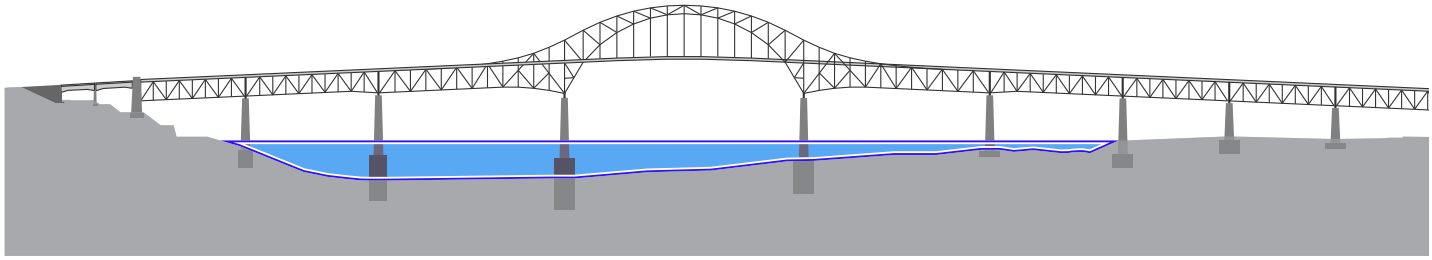
Deconstruction will begin with removal of the bridge deck, followed by deconstruction of steel trusses and above-water sections of the in-river piers. Steel truss spans will be removed in large pieces and lowered onto barges for further deconstruction. The steel arch of the Pattullo Bridge will also be lowered onto a barge for removal.

Photo of steel trusses on the Pattullo Bridge courtesy of TransLink.

Concrete columns will be removed using conventional demolition methods using heavy equipment on floating platforms around the piers. Heavy equipment will remove debris from floating platforms and load it onto a barge to be transported offsite to be recycled, re-used and/or disposed.

Removal of below-water structures (fall 2026 – 2027)

As the above-water structures are removed, removal of the concrete below-water structures will begin in fall 2026, shown below.



The methods of removal for below-water pedestal demolition are currently under review by regulatory agencies.

Protecting the Environment

Reducing waste

Asphalt, concrete and steel components of the Pattullo Bridge will be recycled. Hazardous materials that cannot be recycled, such as paint, will be properly processed before being disposed of.

Protecting fish and fish habitat

The permitting process is underway for removal of the below-water structures. Permits are one of the ways the government can make sure the Project has carefully considered possible environmental impacts, to meet the goal of environmental sustainability.