



# Pattullo Bridge Replacement Project

## How we build it: Girder installation for the bridge deck in New Westminster

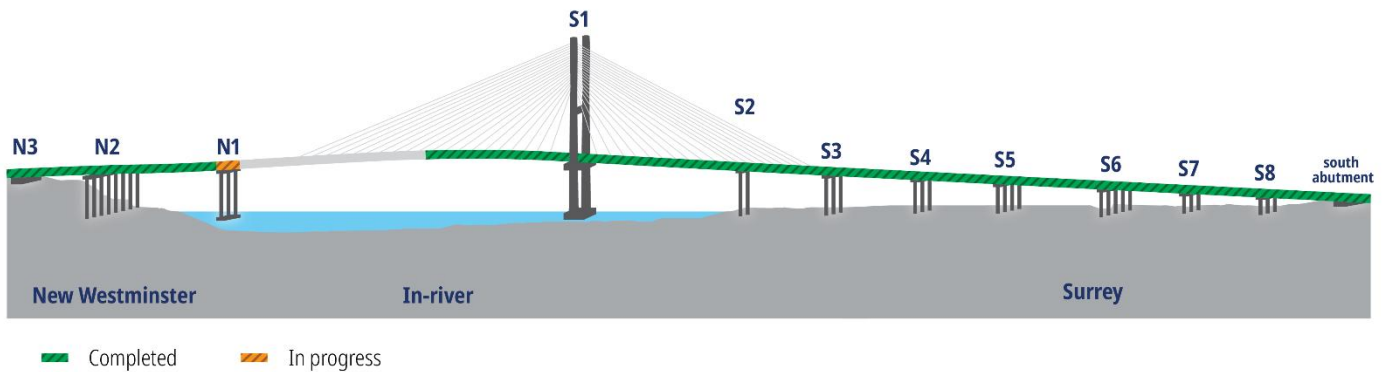
### What are girders?

Girders are horizontal steel beams that span between bridge foundations to support the bridge deck. Girders for the new bridge range between 30-40 metres in length, 3-4 metres in height and weigh 20-40 metric tonnes.

### Girder installation

In New Westminster, girders have been installed over Columbia Street and Front Street to connect the in-river bridge foundation near the shoreline (N1) to the bridge foundation north of Columbia Street (N3). Girder installation is underway for the new East Columbia off-ramp (not shown). After the girders are installed, crews bolt them together. Nearby residents may hear this bolting.

### Pattullo Bridge Replacement: Girder Installation



The project has been implementing road closures on Front Street and Columbia Street near the existing Pattullo Bridge for crews to install steel girders and build the new bridge deck. Overnight closures of Front Street between 9 p.m. and 5 a.m. will be required in Spring 2025 for crews to continue bridge deck construction. Front Street Mews and Columbia Street will remain open and access to businesses will continue to be maintained.

### Contact the Project



24/7 Phone Line  
1-844-815-6149



Project Information  
[pattullobridgereplacement.ca](http://pattullobridgereplacement.ca)  
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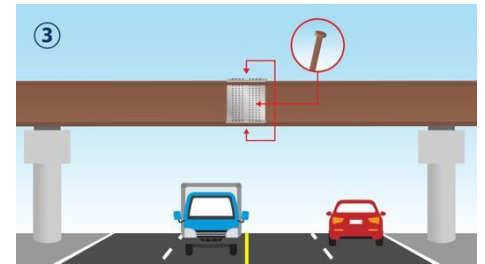
## Step by step: how girders are installed



1. A large crane lifts the steel girder.



2. The girder is lifted in place to connect the bridge piers. A temporary tower supports the girders as they are safely secured.



3. Girders are bolted into place. Once safely secured, traffic and pedestrians can pass underneath.

After girders are installed between the bridge foundations, crews install the deck panels that form the bridge deck.

For more information about this work, including road closures and detour routes, please visit the Current Works and Information Sheets pages at [pattullobridgereplacement.ca](http://pattullobridgereplacement.ca).

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