



# Pattullo Bridge Replacement Project

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

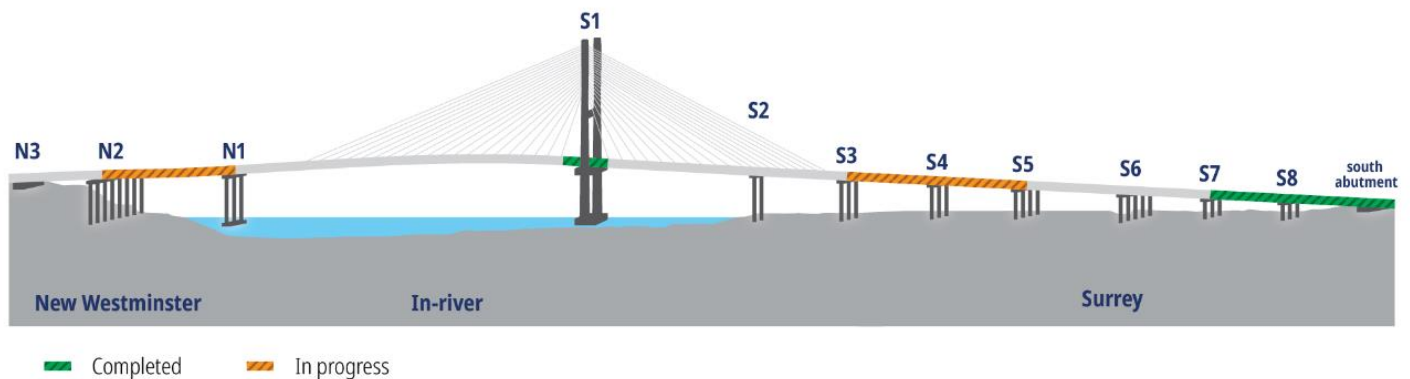
### What are girders?

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 will be installed across Front Street and Columbia Street, to connect the in-river bridge foundation near the shoreline (N1) to the bridge foundation north of Columbia Street (N3).

#### Pattullo Bridge Replacement: Girder Installation



Starting mid-February 2024, the project will implement sequential full 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. Front and Columbia streets will not be closed at the same time. Full closures will minimize noise impacts associated with nighttime work.

The first Front Street closure will take place starting on February 21 for approximately one month. Front Street Mews will remain open. The next closure will be a full closure of Columbia Street for crews to lift girders across this section of roadway, followed by a six-month closure of Front Street. More information will be provided in advance of each closure.

### Contact the Project



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



Project Information  
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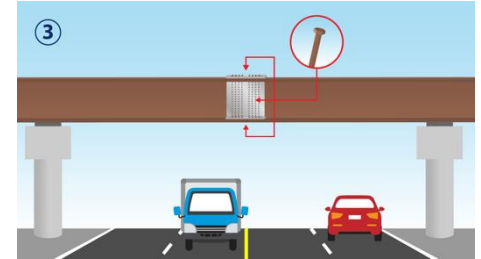
## Step by step: how girders are installed



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 will begin installing the deck panels that will 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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