



Pattullo Bridge Replacement Project

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

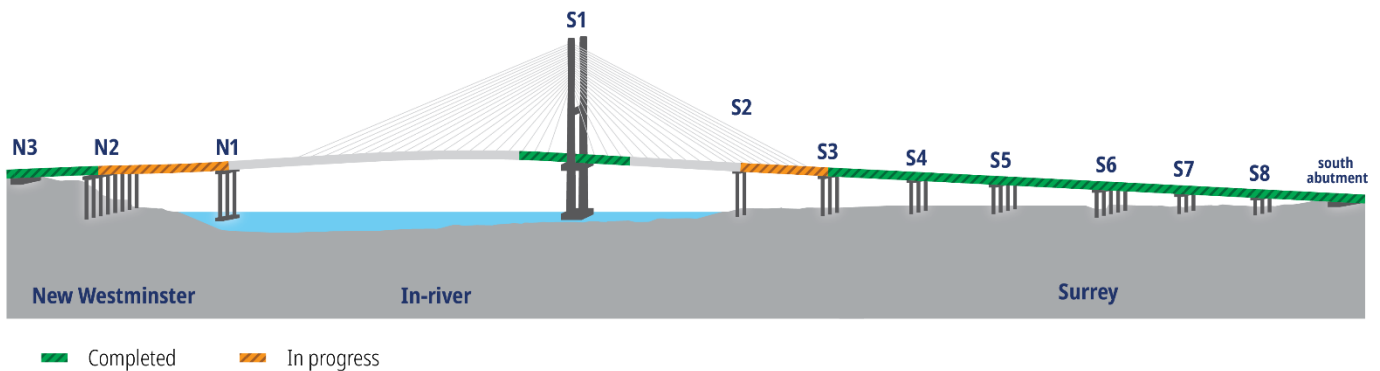
What are girders?

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 are now being installed over Front Street, to connect the in-river bridge foundation near the shoreline (N1) to the bridge foundation north of Columbia Street (N3). 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 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 will not be closed at the same time, and Front Street Mews will remain open.

A full closure of Front Street is now underway for crews to lift girders and build the bridge deck across this section of roadway.

Contact the Project



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



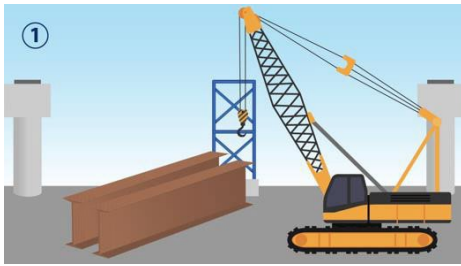
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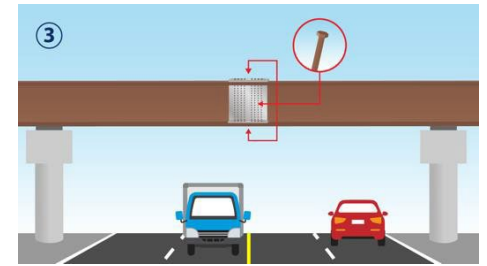
Step by step: how girders are installed



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.

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