



Pattullo Bridge Replacement Project

How we build it: Girder installation for bridge deck in Surrey

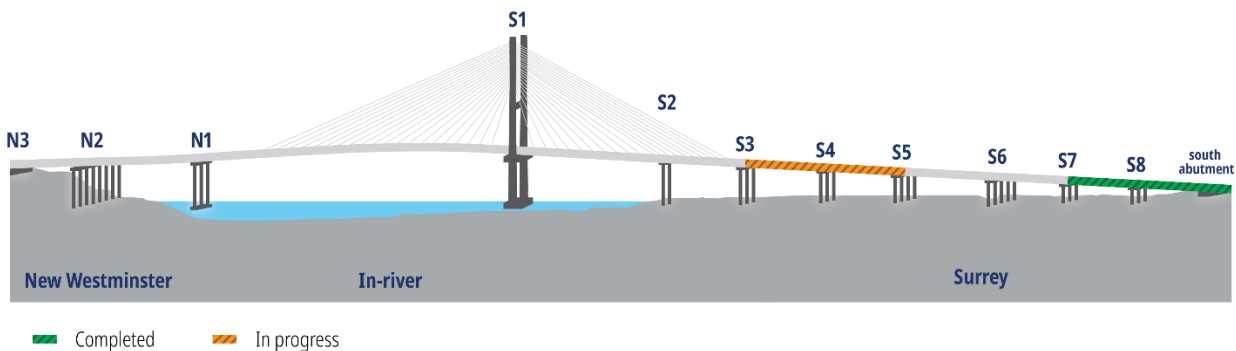
What are girders?

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 and 20-40 metric tonnes in weight.

Girder installation

Girder installation is underway in Surrey. Girders have been installed between Piers S7 and SA, which is in proximity of Highway 17. Crews are now installing girders between Piers S3 and S5. After the girders are installed, crews bolt them together to ensure they are safely secured. Nearby businesses may hear this bolting.

Pattullo Bridge Replacement: Girder Installation Progress



Contact the Project



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



Project Information
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Work on the Project
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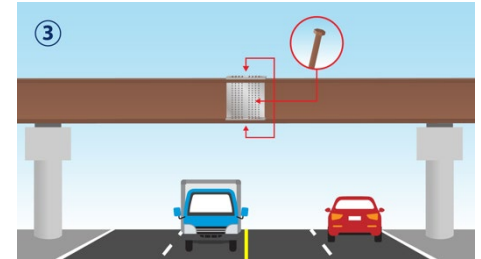
Step by step: how girders are installed



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.

This girder installation process is being repeated to connect all new on land bridge piers. After girders are installed between the bridge foundations, crews will begin installing the deck panels that will form the bridge deck.

For more information, including the dates for road closures required for girder installation, please visit pattullobridgereplacement.ca/construction/current-works/.

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