



# Pattullo Bridge Replacement Project

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

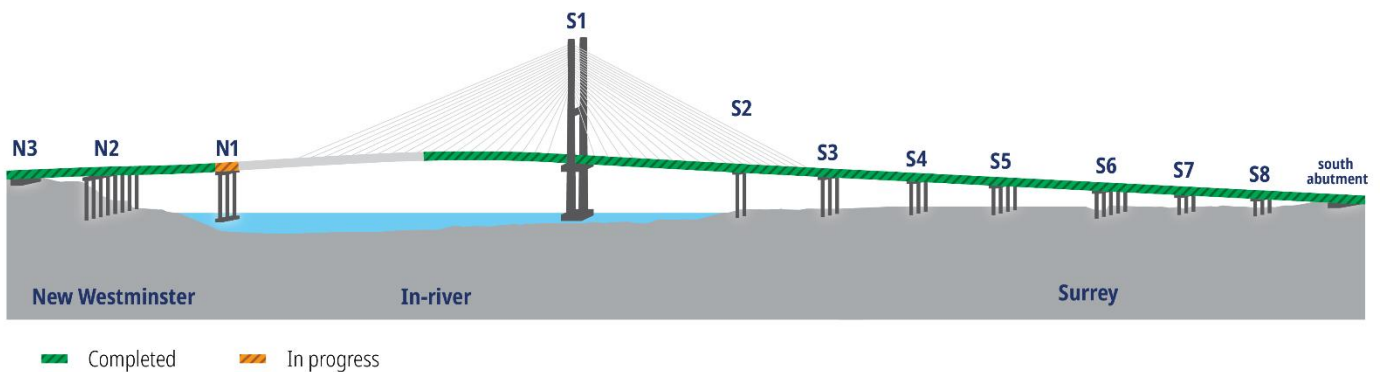
### What are girders?

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, 3-4 metres in height and weigh 20-40 metric tonnes.

### Girder installation

Girder installation is complete for the main bridge in Surrey. Girder installation is underway for the new Highway 17 off-ramp (not shown). After the girders are installed, crews bolt them together. Nearby businesses may hear this bolting.

### Pattullo Bridge Replacement: Girder Installation



### Contact the Project



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



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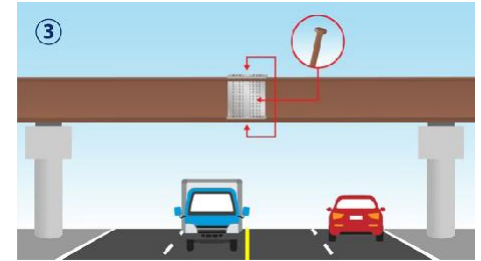
## Step by step: how girders are installed



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, including the dates for road closures required for girder installation, please visit [pattullobridgereplacement.ca/construction/current-works/](http://pattullobridgereplacement.ca/construction/current-works/).

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