



Pattullo Bridge Replacement Project

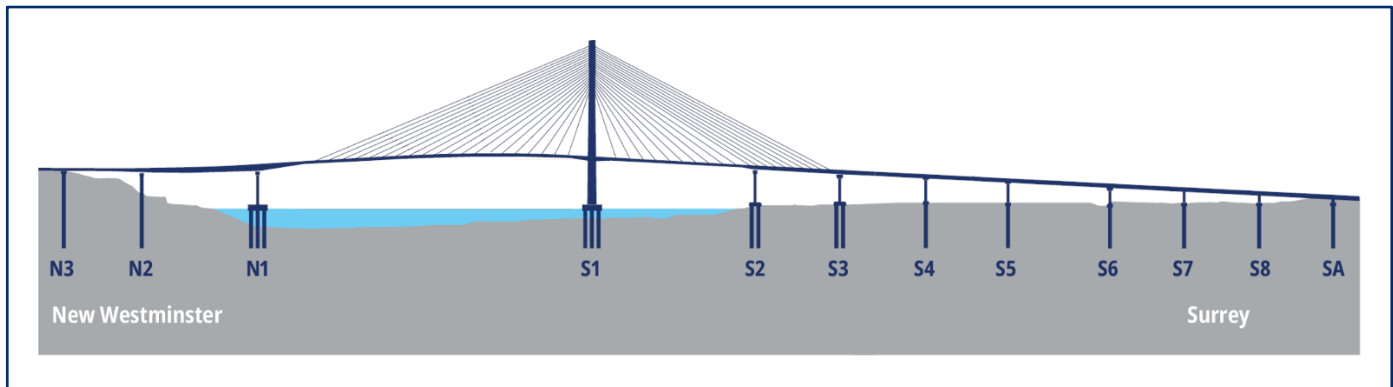
How we build it: Girder installation for bridge deck in Surrey

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 will begin in Surrey. Nighttime closures and detours of Highway 17 traffic will be required. Crews will install girders over Highway 17, first over the westbound lanes between Piers S7 and S8, and then over the eastbound lanes between Piers S8 and SA (Pier S8 is the foundation in the middle of Highway 17). After the girders are installed over the roadway, crews will bolt them together to ensure they are safely secured. Nearby businesses and residents may hear this bolting.



Girder installation will begin in Surrey, connecting the South Abutment bridge foundation (SA) to S7.

Contact the Project



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



Project Information
pattullobridgereplacement.ca
pattullobridgeproject@gov.bc.ca



Work on the Project
bcib.ca
info@bcib.ca



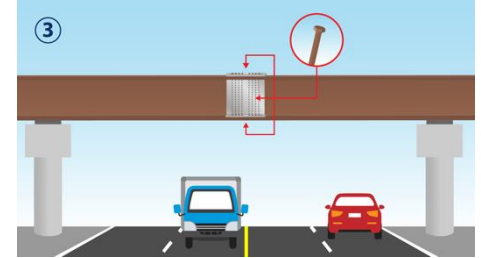
Step by step: how girders are installed



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 will be 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 about this work, including the dates for road closures required for girder installation, please visit pattullobridgereplacement.ca.

Contact the Project



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



Project Information
pattullobridgereplacement.ca
pattullobridgeproject@gov.bc.ca



Work on the Project
bcib.ca
info@bcib.ca