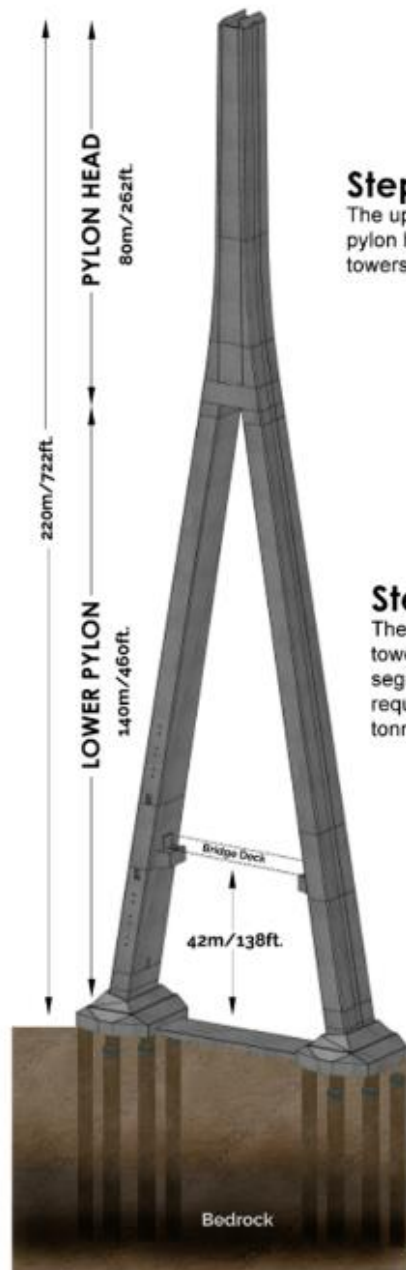


Steps in Gordie Howe International Bridge Tower Construction

The towers of the Gordie Howe International Bridge have been under construction since 2019. Each bridge tower is an inverted “Y shape and made of cast-in-place reinforced concrete. There are three primary steps of construction for the towers that once complete will reach 220 metres/722 feet.



Step 3:

The upper 80 metres/262 feet of the tower, known as the pylon head, will house the cables that will connect the towers to the bridge and decks.

Step 2:

The lower pylon makes up the longest portion of the bridge towers and is composed of 29 different segments. Each segment has an average height of 4.67 metres/15.3 feet and requires 98 cubic metres/128 cubic yards of concrete and 55 tonnes/121,254 pounds of rebar.

Step 1:

Underground work was completed with the construction of the leg support. Each individual leg is supported by six shafts which have been drilled into the bedrock to a depth of 36 metres/118 feet. Each of the shafts is filled with approximately 262,000 litres/69,000 gallons of concrete. The footings are connected by 1,600 metres/5,250 feet of post tensioning cables to create a firm footing.