

Gordie Howe International Bridge

Detroit, USA / Windsor, CA

Project Description

The Gordie Howe International Bridge, soon to have the largest cable-stay span in North America (2,799 feet), connects Detroit and Windsor across the Detroit River. Including the approaches, the 6-lane structure will be 1.6 miles long upon completion. Two massive A-shaped pylons carry the cables, and the super structure is built of structural steel edge girders and floor beams with a composite, precast panel deck.

Owner

Windsor-Detroit Bridge Authority (WDBA)

Contractor

Bridging North America (BNA)

Designer

AECOM

Our Role

McNary Bergeron is providing construction engineering services to the design build team. As work progresses into the substructure, McNary Bergeron is working on tasks related to the super structure erection above as well as massive temporary jacking struts for geometry control and stability of the main pylons during construction.

Total Contract Value

5.7 Billion

Timeline

2019-2026

Construction Method and Specifications

The approach super structure is planned to be built on a combination of nine temporary bents and three permanent bents (each side). After the pylons have been completed, the main span is constructed one segment at a time, with the cables installed and main span tied back to the already completed approach span behind. Deck construction follows shortly behind the steel, and a crawler crane services both tasks from the deck.

