

INTERSTATE-75 PEDESTRIAN BRIDGE DESIGN

As part of the Gordie Howe International Bridge project, five pedestrian bridges crossing Interstate-75 will be built to provide safe access to services within the community. The new bridges also will enhance the aesthetic corridor experience for motorists as they travel through the Detroit region. Pedestrian bridges will be located over I-75 at Solvay Street, Beard Street, Waterman, Junction Street and Lansing Street.



Pedestrian bridge locations map

Three design alternatives of the pedestrian bridges were presented to the public for their input. The aesthetic features of the designs were guided by the concepts of:

- simplicity
- clean lines
- good proportions
- openness
- transparency
- lightness.

As well, the I-75 pedestrian bridges were designed to be reflective of the surrounding community and tie into the overall gateway and connected port-to-port experience of the Gordie Howe International Bridge corridor.

CONSULTATION

Following extensive consultation over a three-month period with the community, the Michigan Department of Transportation (MDOT), the City of Detroit and other key stakeholders, a design was chosen as the preferred alternative for the bridges. Consultation included public information meetings and outreach events and an online survey which provided the opportunity for stakeholders to learn more about the three design options. More than 500 individuals voted on the three design alternatives and the “arch” design was voted most popular. Comments were considered in the final aesthetic design of the pedestrian bridges.



Daytime view from I-75



Nighttime view from I-75



Daytime view from inside of bridge



Nighttime view from inside of bridge

The pedestrian bridges will be constructed of pre-cast concrete girders and concrete decks, walls and ramps. The steel arch will have a medium bronze finish and the railings will be manufactured from metal alloy. The bridges will also have overhead LED lighting features. Importantly, the bridges will be compliant with Americans with Disabilities Act (ADA) standards.

BRIDGE STATISTICS

- Total height: 16 feet/4.9 metres from the pedestrian bridge deck
- Bridge clearance over the roadway is 17 feet 3 inches/5.27 metres
- 10-foot/3 metre-wide walkway for users

Installation of the pedestrian bridges will begin in 2020 and continue until early 2024.

For more information about the Gordie Howe International Bridge project visit www.GordieHoweInternationalBridge.com or call 1-844-322-1773. Follow us on Twitter at www.twitter.com/GordieHoweBrg, like us on Facebook at www.facebook.com/GordieHoweBridge and connect with us on LinkedIn at www.linkedin.com/company/wdba-apwd.