

## Pile Driving – A Summary

To construct the bridges and tunnels throughout the Rt. Hon. Herb Gray Parkway corridor, steel piles were driven into the ground for support. 5,230 piles were used for the 22 structures built by Parkway Infrastructure Constructors. Two bridge structures were previously constructed in 2010. Pile driving began in December 2011 with the final piles driven for Bridge 12 at Howard Avenue in March 2014. Several pile drivers were under operation at once throughout the corridor. The main pile type for the Parkway structures is the H-pile. H-piles are made of heavy steel and are long and slender. They are driven into the ground by a diesel powered hammer or pile driver. To view a video of our pile driver in operation, please visit our YouTube channel. The use of piles for structures is a reliable construction technique. They are made of high strength materials, are inspected for quality prior to installation and they have significant load bearing capacity.

Pile driving completion dates:

- Bridge 15 (North Talbot Road Bridge) – completed January 2012
- Bridge 10 (west of St. Clair College) – completed July 2012
- Bridge 9 (between Cabana Road West and Geraedts Drive) – completed August 2012
- Bridge 11 (west of Howard Avenue) – completed August 2012
- Tunnel 2 (Labelle Tunnel) – completed September 2012
- Tunnel 10B (Hearthwood Tunnel) – completed September 2012
- Tunnel 7 (Villa Borghese Tunnel) – completed September 2012
- Tunnel 1 (Spring Garden Tunnel) – completed October 2012
- Tunnel 11 (Oliver Estates Tunnel) – completed November 2012
- Tunnel 5 (Oakwood Tunnel) – completed February 2013
- Tunnel 6 (Todd/Cabana Tunnel) – completed February 2013
- Bridge 7 (Labelle Street and Lambton Road) – completed February 2013
- Tunnel 3 (Grand Marais Tunnel) – completed March 2013
- Bridge 6 (Eastbound E.C. Row Expressway Overpass, west of Spring Garden Tunnel) – completed April 2013
- Tunnel 4 (Pulford Tunnel) – completed April 2013
- Bridge 4 (Malden Road Overpass, E.C Row Expressway westbound)
- Bridge 5 (Malden Road Overpass, E.C. Row Expressway eastbound) – completed April 2013
- Bridge 3 (Eastbound E.C. Row Expressway Overpass) – completed May 2013
- Bridge 2 (Matchette Road Overpass) – completed May 2013
- Tunnel 8 (Geraedts Tunnel) – completed May 2013
- Tunnel 10A (Hearthwood Tunnel) – completed June 2013
- Tunnel 9 (Cousineau Tunnel) – completed August 2013
- Bridge 12 (Howard Avenue) – completed in March 2014

The completion of piling driving activities is a significant achievement in the construction of the Parkway.

Please visit [www.hgparkway.ca](http://www.hgparkway.ca) to learn more about the Rt. Hon. Herb Gray Parkway. Updates are posted on Twitter ([www.twitter.com/hgparkway](http://www.twitter.com/hgparkway)) and Facebook ([www.facebook.com/hgparkway](http://www.facebook.com/hgparkway)) and photos and videos are posted on Flickr ([www.flickr.com/hgparkway](http://www.flickr.com/hgparkway)) and YouTube ([www.youtube.com/hgparkway](http://www.youtube.com/hgparkway)).