

Construction Mitigation

Construction is noisy, dusty work. Measures will be taken to minimize the duration of the Windsor-Essex Parkway's construction and to lessen the impact of construction on the community.

How long will construction of the Parkway take?

Through construction sequencing, the use of prefabricated components for structures and the construction of traffic diversions, the Windsor Essex Mobility Group (WEMG) has been able to minimize the duration of construction. It is anticipated that the Windsor-Essex Parkway will be open to traffic in late 2014.

What activities will the Parkway's construction include?

Construction of the Windsor-Essex Parkway will generally include:

- **Grading** of areas using bulldozing equipment, excavators, dump trucks, graders and soil compactors
- **Removal of existing features** using excavators, trucks, cranes, concrete breakers, asphalt milling machines
- **Construction of temporary and permanent drainage features** using excavators and track loaders
- **Construction of structures** (tunnels and bridges) using excavators, trucks, pile drivers, cranes, concrete pumps and concrete finishing machines
- **Road construction and paving** using excavators, graders, trucks, asphalt and concrete pavers.

How does WEMG plan to lessen construction impacts?

Construction impacts will be lessened through a variety of comprehensive mitigation measures and best management practices.

Construction Noise Mitigation

Construction activities could cause temporary noise impacts. Noise mitigation measures to be implemented during construction of the Parkway include:

- using construction equipment that is in good repair, fitted with functioning mufflers, and complies with the noise emission standards outlined in Ministry of the Environment guidelines
- to the greatest extent possible, limiting the most noisy construction activities to daytime hours and working in accordance with municipal noise by-law requirements.

Noise by-law exemptions may be required under certain circumstances.

- where the sequencing of construction permits, building permanent noise barriers and/or berms during the early phases of construction

This will help reduce construction noise levels at receptor locations.

Noise barriers have already been constructed at the east end of the project.

- maximizing the distance between the construction staging areas and nearby receptors to the greatest extent possible
- maintaining construction haul roads to prevent potholes and ruts

This will help avoid the loud noise caused by construction vehicles travelling over uneven road surfaces.

- developing a plan to consult with the public on noisy activities such as pile driving.

Dust Control

Dust mitigation measures to be implemented during construction of the Parkway include:

- periodic watering or stabilization of disturbed and exposed soils
- using water sprays during the loading and unloading of materials
- sweeping and/or water flushing of the entrances to construction zones
- using calcium chloride to suppress dust on access roads.

Water Quality Protection and Management

Water quality protection and management measures to be implemented during construction of the Parkway include:

- protecting and managing groundwater regimes for fish habitat, wetlands and prairie habitats through design
- obtaining a Permit to Take Water, where required, by the Ministry of the Environment
- salt management plans
- construction and maintenance of permanent stormwater management ponds.

Erosion and Sediment Control Measures

Erosion and sediment control measures to be implemented during construction of the Parkway include:

- developing plans to protect surface waters, adjacent ecosystems and properties
- following the best practices in MTO's "Environmental Guide for Erosion and Sediment Control during Construction of Highway Projects"
- using temporary stormwater management ponds to manage water quality
- regular inspections of all erosion and sediment control features
- repair or replacement of all damaged/deficient erosion and sediment control measures within 48 hours of the inspection.

Archaeology/Cultural Resource Protection

Archaeology/cultural resource protection measures to be implemented during construction of the Parkway include:

- complete archaeological and heritage resource investigations and related mitigation prior to construction during the construction phase
- reporting any unexpected archaeological finds to the appropriate agencies.

For more information on the Windsor-Essex Parkway, visit www.weparkway.ca. Follow the project on Twitter at [www.twitter.com/WEParkway](https://twitter.com/WEParkway). Look for #weparkway.