

# WALTERDALE BRIDGE REPLACEMENT

## PROJECT UPDATE

(February 2014)

After nearly 100 years, the Walterdale Bridge has reached the end of its service life. A \$155 million replacement project is under construction, with the new bridge expected to open in late 2015. The current bridge will be removed in 2016.

## INFOGRAPHIC

The Walterdale Bridge replacement project just got more interactive!

The City posted a new infographic to the project web page in January. Users can explore elements of the new bridge with links and an image showing how construction is bringing the project to life.

## CONSTRUCTION



Excavation inside cofferdam

Pile driving was completed in early January. Watertight cofferdams are now being excavated in preparation for construction of thrust blocks. These will serve as the foundation of the bridge and will anchor the arches that carry the bridge load.

The new bridge will have four thrust blocks, two on each side of the river. Over the next few months, the thrust blocks will be built in stages: layers of concrete poured and cured over micro pilings. Each thrust block will be approximately 600 cubic metres in volume.

Once completed, this essential work will be hidden 20 m underneath the ground and future roadway alignment.

Steel fabrication of the bridge arches is currently underway. The arches will be delivered in pieces and assembled on site prior to bridge erection.

## ARCHAEOLOGY

Major archaeological work was completed in December, as the excavation within the cofferdams reached a depth past the archaeological record. Work at the current depth is being overseen by a paleontologist.



Worker inside cofferdam

## CONSTRUCTION TIMELINE

2013	<b>Completed</b> <ul style="list-style-type: none"><li>• Majority of tree clearing.</li><li>• Access roads and in-river berms.</li><li>• Park trails rerouted.</li><li>• Interpretive belvedere removed.</li><li>• Utilities relocated and drainage system updated.</li><li>• Realignment of Queen Elizabeth Park Road.</li><li>• Installation of pilings and construction of cofferdams needed for thrust blocks.</li></ul>
2014-15	<b>Ongoing/Upcoming</b> <ul style="list-style-type: none"><li>• Move interpretive belvedere panels to temporary location.</li><li>• Construct thrust blocks.</li><li>• Construct and erect bridge arches.</li><li>• Realign Walterdale Hill Road.</li><li>• Construct bridge.</li><li>• Connect roads to new bridge alignment.</li><li>• Landscaping/trail connections.</li></ul>
2015-16	<ul style="list-style-type: none"><li>• Grand opening of new bridge.</li><li>• Demolition of old bridge.</li></ul>