

WALTERDALE BRIDGE REPLACEMENT

PROJECT UPDATE

(February 2015)

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 planned to open to traffic in late 2015. The current bridge will be removed in 2016.

CONSTRUCTION

All four thrust blocks are now complete and crews are busy backfilling the cofferdams.

Work has begun on concrete bridge support legs that will extend out of the ground to connect with the steel arches.



Backfilling the northwest cofferdam

Concrete foundations and tracks have now been completed in the south side laydown area. The tracks will move the assembled central arch portion to the river for launching and lifting into place.



Tracks being set up in laydown area



Arch struts being packed for shipping in South Korea

ARCHES

The first small shipment of steel arrived on site in early January. This shipment included struts that connect between the steel arches.

The mid-sections of arch steel were shipped in late January and arrived on the west coast in mid-February.

The project team expects that the steel will arrive on site by early March, at which point arch assembly will begin.

ARCH LIFTS

The contractor's schedule currently includes floating the centre portion of the arch across the river this spring.

This work will be followed by two heavy lift operations to place the arches onto the thrust blocks. The central segment of the arches will be assembled on the south side and moved along tracks before being transferred to barges on the river. Once on the barges, the central segments will be floated across the river until one side of the arch rests on each berm.

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Arch struts arrive on site—January 2015

The red temporary lift towers installed on the berms will then lift the arches into place on top of the thrust blocks.

The City has an animated video of the arch lift operation on the project website at edmonton.ca/walterdalebridge



Workers placing rebar for the concrete bridge support legs

CONSTRUCTION TIMELINE

2013-14	<p>Completed</p> <ul style="list-style-type: none"> • Majority of tree clearing. • Access roads and in-river berms. • Park trails rerouted. • Interpretive belvedere removed. • Utilities relocated and drainage system updated. • Realignment of Queen Elizabeth Park Road. • Installation of pilings and construction of cofferdams needed for thrust blocks. • Realignment of Walterdale Hill Road. • Construct new access roads for Kinsmen Sports Centre. • Move interpretive belvedere panels to temporary location. • Construct thrust blocks.
2015	<p>Ongoing/Upcoming</p> <ul style="list-style-type: none"> • Construct and erect bridge arches. • Construct bridge deck. • Connect roads to new bridge alignment. • New bridge open to traffic.
2016	<ul style="list-style-type: none"> • Landscaping/trail connections. • Demolition of old bridge.



Crews assemble temporary lift towers