

# WALTERDALE BRIDGE REPLACEMENT

Spring, 2016

## Second arch lift a success!

The second, and final, arch lift for the new Walterdale Bridge took place on Tuesday, April 12 and it was a great success.



A view from the top of the arch during the second lift. One of the lifting jacks is on the right.

After a week of high winds, the weather was perfect for this next stage in the construction of the bridge.

The 2,000 tonne (about 4.5 million pounds) arch segment was lifted 20 metres to attach to the permanent arch structures built into the berms on the north and south banks of the river. The arches have now reached their ultimate height of 54 metres and span 206 metres from one bank of the river to the other.

The lift took about eight hours to accomplish and was so finely detailed that the new arch segments had to line up with the existing structure to within 15 to 25 millimetres.

Now that the arches are in place, crews are busy welding and bolting the structure. After that work is complete, construction will begin on the bridge deck.

## How the new bridge measures up to the old

Measure	New Walterdale Bridge	Old Walterdale Bridge
Length	230 metres	214 metres
Width	27.4 metres	12.3 metres
Height	43 metres (arch height at mid-span)	12.8 metres

**Edmonton**

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## CONSTRUCTION TIMELINE

### 2015 Completed

- Thrust blocks completed and cofferdams backfilled
- Arch steel received on site
- Tracks built in laydown area
- Arch assembled
- Central arch floated into place

### 2016 Ongoing/Upcoming

- Construct bridge deck and attach to the arch
- Setting of bridge cables
- Connect roads to new bridge
- Open bridge to vehicle traffic

### 2016 Completed

- First and second arch lifts

### 2017

- Complete landscaping and trail connections
- Remove old bridge



The arch at its full height