

Construction Update for Stakeholders - Q2 2013

The Airport Development Program (ADP)

The \$2 billion Airport Development Program (ADP) is on schedule and on budget.

YYC has more than doubled in size and passenger volume over the last 15 years and, in 2012, the airport broke previous records, welcoming over 13.6 million passengers to Canada's fourth busiest airport. The ADP includes two major projects: the Runway Development Project and the International Facilities Project, and is the largest expansion the airport has ever undertaken.

The Program will provide much needed airport capacity, vital to our airport partners' growth and development, and will solidify YYC's position as an important economic growth generator for the city, region, and province.



The Runway Development Project (RDP)

Prudent planning and site preparation in the off season helped set the stage for an early start to pavement work this spring. Due to the dryer conditions in April and May — much dryer than the previous two years — we were able to start paving earlier and despite rain this June, paving efforts remain on schedule.

Construction Progress:

- Rough Grading - 97% complete
- Deep Utilities Storm - approximately 96% complete
- Pavements - approximately 45% complete
- Airfield Electrical - approximately 45% complete

The first major deliverable to be in service as part of the Runway Development Project is the Taxiway Romeo underpass at McCall Way. This underpass, which will service a business area on airport property, is on track to open mid-July. Work on the airfield's second underpass, at Taxiway Juliet also remains on schedule.



Above photo: Runway progression as of June 2013. Below photo: Taxiway Romeo underpass scheduled to open in July 2013.



Runway Trivia: There are approximately 420 people on-site for this project each day.

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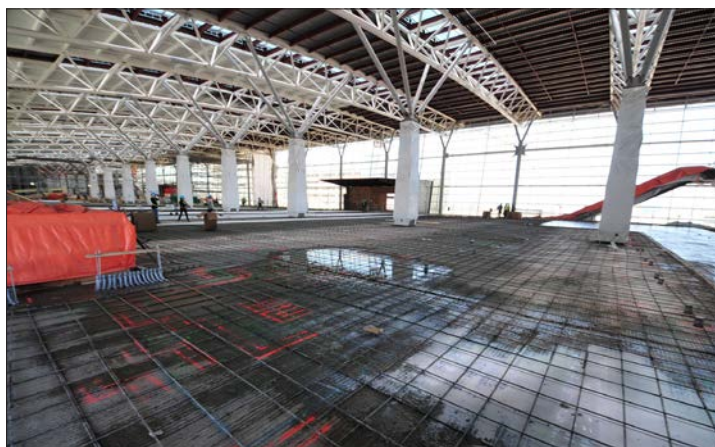
International Facilities Project (IFP)

Once completed, the new international concourse will include:

- 22 additional departure gates for international and U.S.A. destinations.
- A roof area of over 53,000 m².
- Rainwater harvesting tanks of 500,000 litres for flushing low-flow plumbing fixtures.
- Geothermal ground source energy, which will help heat and cool the building.

The IFP construction area is divided into eight sections and construction is in progress in all eight areas:

- Building excavation has been completed with 500,000 m³ of earth removed.
- 85,000 tonnes of gravel has been placed as a base for floor slabs.
- 76,645 m³ of concrete has been poured and placed (89% of the expected 85,850 m³).
- 620 foundation piles have been completed to date.
- All 588 geothermal wells have been completed. The wells have a combined total length of 83 km.
- Structural steel installation is ongoing. There is a total of 4,122 tonnes of steel that has been installed (44% of a total 9,238 tonnes).
- Installation of the curtain wall is ongoing with 12,000 m² installed (40% of total 29,800 m²).
- Installation of topping slabs for the flooring has begun and a total of 124 km of radiant tubing has been installed to heat the floors (21% of total estimated 600 km).
- Granite flooring installation has started with 3,190 m² installed to date (under 9% of total 32,799 m²).
- To date, over 2.4 million manhours have gone into the IFP.
- The construction work remains on schedule for October 2015 operations.



IFP Trivia: On average, there are 1,160 people working on the IFP site every day.

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Other Project Updates

The Airport Trail Tunnel Project

The City of Calgary reports that the tunnel structure has been poured, and work continues as they backfill storm drains and portal walls, along with work inside the tunnel, such as fireproofing the walls and roof, electrical and mechanical work, and installing lighting and fans.

The City plans to do the majority of the roadwork inside and outside the tunnel in 2013. In addition, the City has started construction on Airport Trail between Deerfoot Trail and Barlow Trail as they work on widening the road from four lanes to six lanes. For more information on the airport tunnel project, visit calgary.ca/airporttunnel.



Above: The City of Calgary's Airport Trail tunnel project.

The Nav Canada Control Tower

At the end of May, Nav Canada moved all operations over to Canada's tallest freestanding air traffic control tower.

The new tower, which stands at 300 feet, is now fully operational.

