

Construction Update for Stakeholders - Q4 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 (RDP) and the International Facilities Project (IFP), 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)

Despite challenging weather conditions this year, the Runway Development Project is on track to open in Spring 2014. October's weather permitted concrete pavements to continue throughout the month. Electrical work including cable pulling and fixture installation was ongoing. The new east Field Electrical Centre (FEC) was also energized with permanent power, as was Nav Canada's Instrument Landing System (ILS) Localizer. Asphalt shoulder paving suspended in mid-November due to forecasted freezing conditions. A few days of Asphalt shoulder paving remain for 2014, and other remaining paving work is associated with connections at Taxiway Foxtrot and the International Facilities Project (IFP) Apron.

Construction Progress:

- Rough Grading - 100% complete
- Deep Utilities storm - 100% complete
- Pavements - approximately 96% complete
- Airfield Electrical - approximately 80% complete

Runway Trivia: The length of the new runway will be equivalent to the distance from the Calgary Tower to Chinook Centre.



Above photo: Runway progression as of November 2013.
Below photo: Asphalt shoulder paving work on November 4, 2013.



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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. destinations.
- A roof area of over 53,000 m².
- Rainwater harvesting tanks of 500,000 litres for use in 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 sections.

- 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.
- 103,015 m³ of concrete has been poured and placed. This includes concrete poured for the IFP peripheral projects.
- 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 with a total of 8,200 tonnes of steel installed to date (88% of a total 9,238 tonnes).
- Installation of the glass curtain wall is ongoing with 15,000 m² installed (50% of total 29,800 m²).
- Topping slabs have begun with 380 km of radiant tubing installed (63% of total estimated 600 km).
- Granite flooring installation is ongoing with 10,612 m² installed (32% of total 32,799 m²).
- Over 4 million hours have gone into the IFP construction to date.
- Overall, construction work remains on schedule for the opening in October 2015.



IFP Trivia: The IFP is designed to recycle 10 million litres of rainwater every year.

Other Project Updates

The Airport Trail Tunnel Project

The City of Calgary reports that work continues inside the Airport Trail tunnel. This includes electrical and mechanical work, such as the installation of air quality monitoring equipment, light fixtures and fire alarm wiring/hardware. Road construction inside the tunnel and at the west and east approaches into the tunnel is substantially complete.

As well, Airport Trail has been widened from four to six lanes between Deerfoot Trail and Barlow Trail.

For more information on the airport tunnel project, visit calgary.ca/airporttunnel.

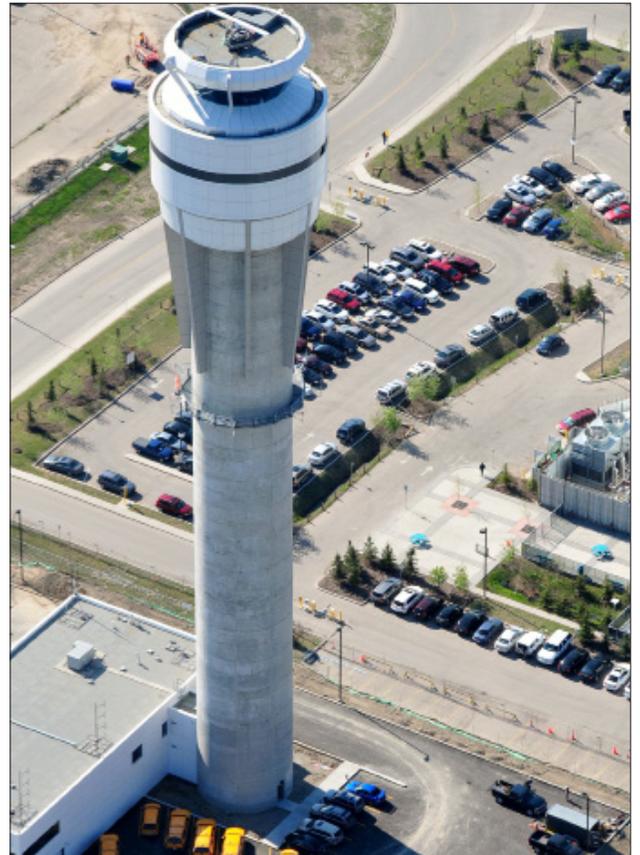


Above photo: The City of Calgary's Airport Trail tunnel project.

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.



Above photo: The new Nav Canada Control Tower, which opened May 2013.