

# Construction Update for Stakeholders - Q2 2012

## Airport Development Program (ADP)

The Airport Development Program (ADP) is in full swing and continues to run on schedule and on budget. The ADP's two main projects, the new parallel runway and the addition of a new concourse to YYC, is the largest construction project in the Authority's history. Here's what's new since the last ADP update.

*ADP Trivia: Passenger traffic at YYC is forecasted to continue to grow and the ADP will help provide much needed capacity for the airport*



Above: Taxiway Romeo underpass



Above: Storm pipe installation at Taxiway Juliet



Above: Runway Grading -View from the North

## Runway Development Project (RDP)

Despite the wet conditions, good progress has been made in the removal and placement of earth, installation of deep utilities and construction of underpasses for the new runway at YYC.

Over 87% of 7.5 million m<sup>3</sup> of dirt for the runway and taxiways have been relocated and crews have now started moving dirt for the new Central Deicing Facility (CDF). The central deicing facility will allow for aircraft to deice in a central location, allowing efficient traffic flow of aircraft during the challenging winter season.

Next time you depart from YYC, look way down to see the runway and taxiways taking shape:

- Construction of the airport's two underpasses continue
  - o Taxiway Romeo base slab (8 inch cement stabilizing base) is complete with 1/3 of the wall and roof sections complete
  - o Taxiway Juliet base slabs and utilities construction are in progress
- Over 14 kms of storm pipe has been installed to date
- Over 230 crew members are on site working on the runway project

*Runway Trivia: The new runway will be constructed using Portland Cement concrete. This is the first concrete runway to be built in Canada since 1996*

*Runway Trivia: The parallel runway will have centreline lighting (Category III (a) ILS)*

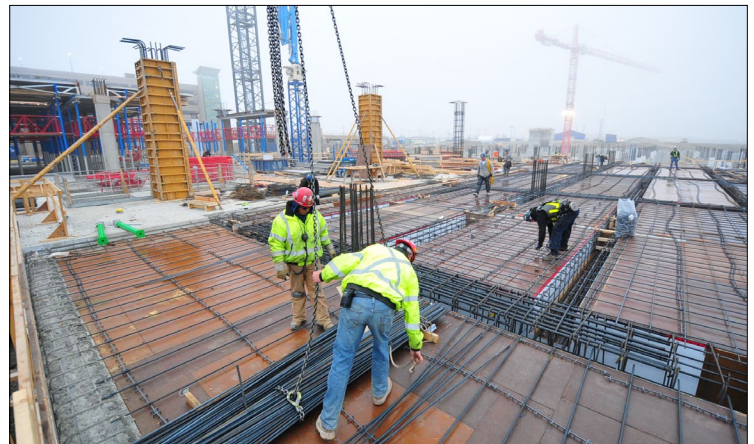
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### International Facilities Project (IFP)

Construction of the new International Concourse is well underway and there has been excellent progress on the new addition to the YYC terminal building. The new concourse is starting to take shape, with all areas and levels under construction and concrete columns standing tall on the YYC skyline. The new concourse will double the size of the current terminal building and be home to all international and US bound traffic at YYC.

- Building excavation is complete – 470,000 m<sup>3</sup> of material was removed
- Over 20,000 tonnes of gravel have been placed as the base for flooring
- A staggering 42,000 m<sup>3</sup> of concrete has been placed (almost 50% of the total concrete)
- To date, 395 foundation piles have been drilled and placed
- Over 425 geothermal holes have been drilled (75% complete overall)
- Structural steel installation began in July 2012
- Crews are installing precast concrete columns
- Construction of the IFP remains on schedule for October 2015 operation
- A sixth tower crane will be installed and operational in Fall 2012

*IFP Trivia: To date, 655,000 employment hours have gone into building the IFP*



### Other Project Updates

#### The Airport Trail Tunnel Project

The City has advised that as of July 9, 2012, 50% of the tunnel sections have been poured and the project is on schedule and within budget. A portion of the tunnel is scheduled to be turned over to The Calgary Airport Authority on August 31, 2012.

#### The Nav Canada Control Tower

The Nav Canada Control Tower is getting taller! Next time you visit YYC, look at the tower as it nears completion. The next step in construction is the assembly and placement of the control tower cab, where the Air Traffic Controllers will manage the airspace in and around Calgary.