

Construction Update for Stakeholders - Q1 2015

The Airport Development Program

Calgary International Airport (YYC) is Alberta's aviation hub of choice welcoming 15.26 million passengers in 2014. Over the past 20 years, YYC has more than doubled in size and passenger volume. In order to meet the needs of this continued growth, The Calgary Airport Authority has undertaken the largest and most ambitious expansion program in its history.

The Airport Development Program (ADP) includes two major projects – the Runway Development Project (RDP) and the new International Terminal – an over \$2 billion investment. The RDP is complete and the runway has been fully operational since June 28, 2014. Construction activities on the International Terminal are well underway. The terminal is on track to be completed in 2015 with a fall 2016 opening.

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 generator for the city, region and province.



Aerial view of the new International Terminal

Trivia: The new facility will add approximately 2 million sq. ft. to the existing terminal - the equivalent of 34 NFL football fields.

The Runway Development Project

The runway is complete and has been fully operational since June 28, 2014. The runway project has earned a number of awards and recognition including:

TOP 2014 PROJECT:

By Alberta Construction Magazine

PROJECT OF THE YEAR:

Engineering and Construction by the Project Management Institute - Southern Alberta Chapter

AWARD OF MERIT:

By Consulting Engineers of Alberta Showcase Awards (Transportation Infrastructure)

Trivia: The runway is the first in Canada to utilize 100 per cent LED lighting for the runway and taxiway lights.



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New International Terminal



Departures Check-in Hall of the International Terminal



Arrivals Level of the International Terminal



Baggage Carousel on Arrivals Level of the International Terminal

Once completed, the new International Terminal will:

- Add 22 new aircraft gates for International and U.S. destinations.
- Have a roof area of more than 53,000 m².
- Harvest 500,000 litres of rainwater to be used for flushing low-flow plumbing fixtures.
- Divert 75 per cent of construction waste from landfill.
- Include geothermal ground source energy heating and cooling.

The construction of the terminal is divided into eight sections and building is in progress in all areas.

- Building excavation has been completed with 500,000 m³ of earth removed.
- 111,000 m³ of concrete have been poured and placed (including peripheral projects for the IFP).
- Foundation pile installation is complete, with a total of 620 piles in place.
- Glass installation for the curtain wall is ongoing and 99 per cent complete.
- Installation of radiant tubing has been completed (total estimated 620 km).
- The granite flooring installation is ongoing with 81 per cent completed (314,114 sq. ft. of the total 389,494 sq. ft.).
- Overall, there will be 180,000 sq. ft. of wood paneling placed for the ceilings. To date, 90 per cent has been installed.
- 96 per cent of the new baggage handling equipment has been installed.
- Over 8 million hours have been worked by construction crews to date.
- All 588 geothermal wells have been completed.

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New International Terminal: Connecting Passengers

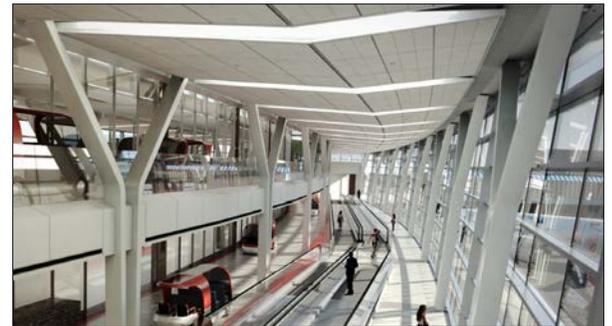
There are a number of additional elements that are being incorporated into the new International Terminal.

As part of the Airport Development Program, YYC is introducing industry-leading connection processes to better serve the millions of passengers that visit the airport each year. YYC's new connection processes will allow passengers to connect easily from international, transborder and domestic flights, while remaining post-security and without having to pick up and recheck their bags.

The Calgary Airport Authority is also constructing a secure Connections Corridor to move passengers quickly between the existing concourses and the new International Terminal. The Connections Corridor will include three modes of transportation, allowing passengers to walk, use moving walkways or take the Compact Transit System (CTS). The CTS will carry up to 10 passengers at a time, and is designed to move passengers through the terminal quickly and efficiently.



Connections Corridor Exterior



Connections Corridor



Compact Transit System (CTS) Station Rendering



New Concourse C Pre-Board Screening Area

Construction progress includes:

- Eight moving walkways will be installed to move passengers through the Connections Corridor.
- To date, installation of the first two moving walkways has begun.
- Installation of structural steel on the exterior of the Connections Corridor is nearly complete. Overall, there will be approximately 900,000 lbs of steel installed.
- A portion of the exterior glass wall on the Connections Corridor has been completed, with 1,800 m² of glass installed.
- The pre-board screening area in Concourse C has been relocated and open to passengers since February 2015. The new area improves passenger flow and makes room for the construction of the Connections Corridor.