

## Construction Update for Stakeholders - Q4 2011

### 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 2010, the airport broke previous records, welcoming over 12.6 million passengers to Canada's fourth busiest airport. The ADP includes two major projects, the Runway Development Project and the International Facilities Project and will be 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.

*ADP Trivia: The ADP will create 10.5 million hours of employment with a peak on-site workforce of 1,600 people*



### The Runway Development Project (RDP)

The new runway is already taking shape! Approximately 400 metres of runway pavement structure has been prepared with the granular sub-base (20" thick) and the cement stabilized base (8" thick). Concrete surface paving (17" thick) will start in the spring of 2012.

The new runway will:

- Be 14,000 ft long and 200 ft wide
- Be capable of handling the world's largest aircraft (A380 and B747-800)
- Have centreline lighting (Category III (a) Instrument Landing System (ILS))
- Be open in May 2014

Construction crews are working 24 hours per day, seven days a week with over 80 pieces of heavy earthmoving equipment. Over 50% (almost 4 million cubic metres) of a total 7.5 million cubic metres of earth materials have already been moved.

Work is ongoing on the many components of the RDP:

- Deep Utilities construction is well underway (over 60 kms of storm lines and sub-drains will be required)
- Electrical Ductbanks and Electrical Installations (over 500 kms of cabling and 5,000 individual runway and taxiway light fixtures are required)

*Runway Trivia: If you overlaid YYC's new runway over downtown Calgary it would extend all the way from the Calgary Tower to Chinook Mall*

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### International Facilities Project (IFP)

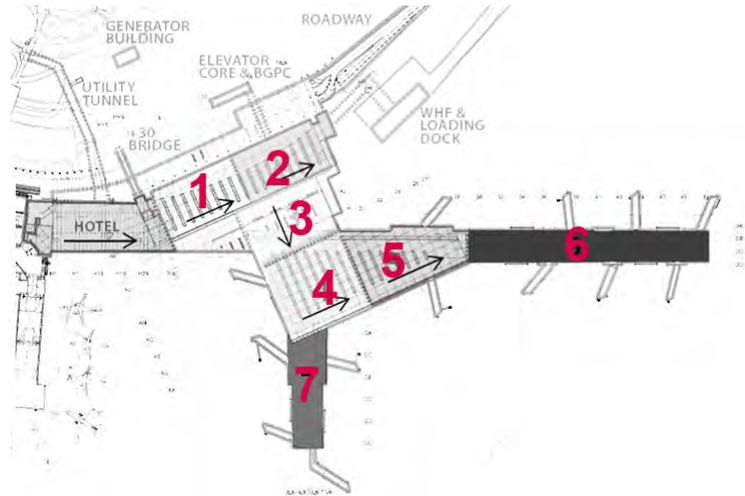
The new Concourse will:

- Have five levels and 183,500 m<sup>2</sup> of space
- Have 22 aircraft gates
- Contain new Canada and U.S. border services facilities
- Be open in October 2015

The terminal construction is divided into seven areas and work has commenced on Areas 1, 2 and 3.

What's been completed to date?

- 58% of 400,175 m<sup>3</sup> total excavation is complete
- 47% of the total concrete piles are complete
- 5,359 m<sup>3</sup> of the total required concrete has been placed (6% of the required 85,848 m<sup>3</sup> total)
- 495 metric tonnes of reinforced steel has been completed (6% of 7,724 mt total)
- Drilling has begun on the first of 600 geothermal wells that will provide heating and cooling for the IFP.



*IFP Trivia: Over 115,000 hours have been spent to date building YYC's newest addition to the terminal*



Above: NAV CANADA's new 300 ft. tall air traffic control tower

### Other Project Updates

The City reports that construction on the Airport Tunnel Project is on schedule and this work is being coordinated closely with the Runway construction.

NAV CANADA's new 300 ft. tall air traffic control tower is proceeding on schedule. Once completed in November 2012, the new tower will be the tallest in Canada.