



# Construction

CENAC

June 26, 2013



*For You. The World.*



**Toronto Pearson**

International Airport | Aéroport International

# Construction Program 2013

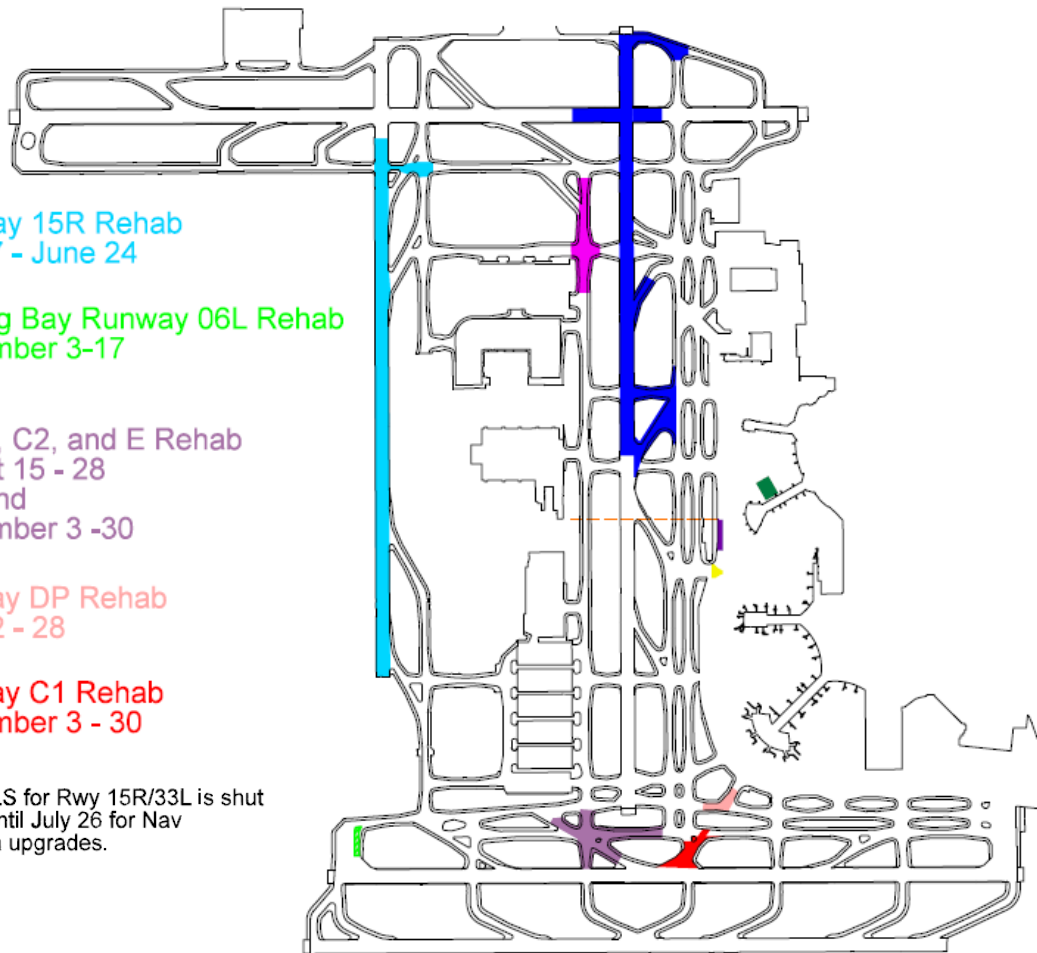
- Major projects with a potential noise impact on surrounding areas are:
  1. Runway 15L-33R surface maintenance
  2. Runway 15R-33L surface maintenance and navigational aides replacement
  3. Runway 06L-24R, adjacent taxiways and holding bay areas surface maintenance

# Construction Program 2013 - Overview



Greater Toronto Airports Authority  
Aéroport de Toronto et Oshana  
720, Rex Blvd., Toronto, ONT., Canada M9P 1B2  
Tel: (416) 776-0222 Fax: (416) 776-0214

## Airside Construction Projects 2013



Runway 15R Rehab  
June 7 - June 24

Holding Bay Runway 06L Rehab  
September 3-17

Twy C, C2, and E Rehab  
August 15 - 28  
and  
September 3 -30

Taxiway DP Rehab  
July 22 - 28

Taxiway C1 Rehab  
September 3 - 30

Note: ILS for Rwy 15R/33L is shut  
down until July 26 for Nav  
Canada upgrades.

Runway 15L Rehab  
April 2 - June 7

Taxiway E Rehab  
May 1 - June 7

Apron Rehab at C29  
June 17 - July 9

Apron Rehab at C33  
September 3 - 24

Taxiway AK Valve Replacement  
September 25 - October 30

Infield Tunnel Rehab  
April 2 - June 28

2013 Airside  
Construction Projects

2013 Airside Construction Projects.dgn

June 13, 2013

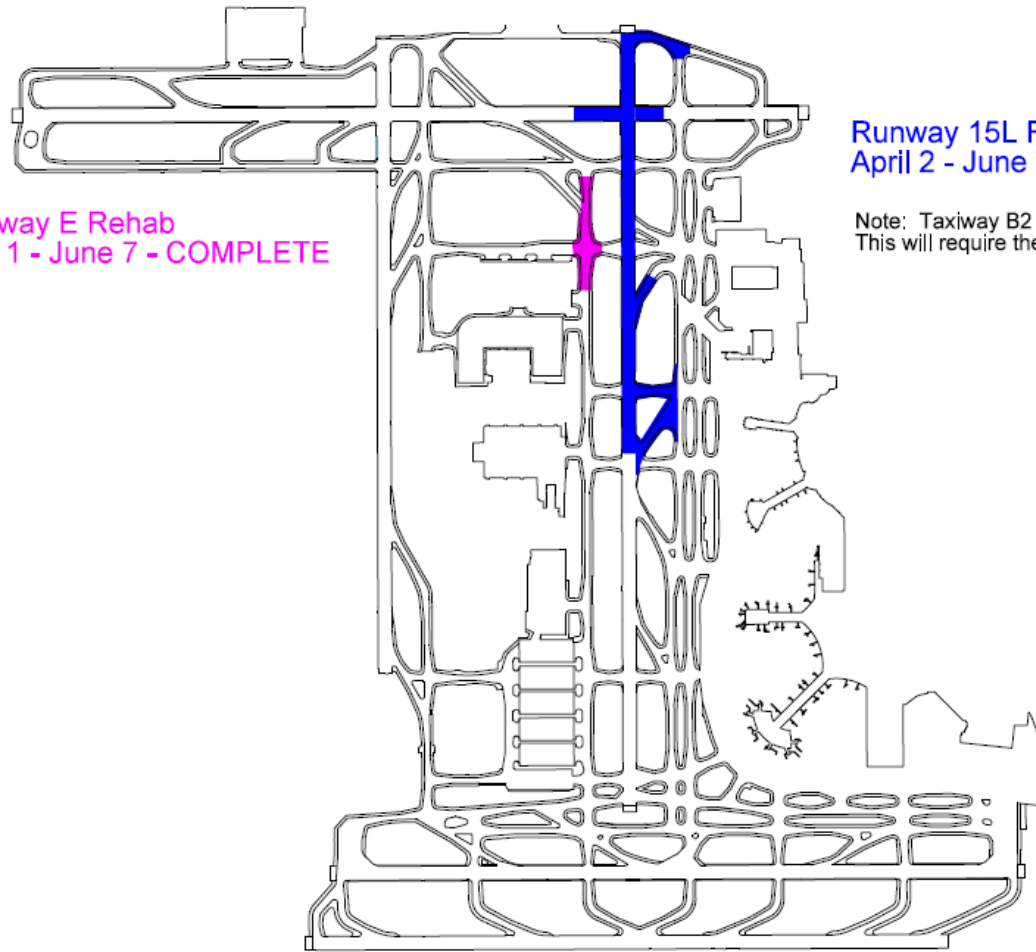
# Construction Program 2013 - Completed



Greater Toronto Airports Authority  
4449 Sheppard Ave. East, Toronto, Ontario M1S 1T2  
Tel: (416) 776-8822 Fax: (416) 776-8810

## Completed Airside Construction Projects 2013

Taxiway E Rehab  
May 1 - June 7 - COMPLETE



Runway 15L Rehab  
April 2 - June 7 - COMPLETE

Note: Taxiway B2 will be closed July 16 - 26  
This will require the closure of Runway 15L/33R for the duration.

2013 Completed Airside  
Construction Projects

2013 Completed Airside Construction Projects.dgn

June 14, 2013

# Runway 15L-33R

## Rehabilitation Work

- During the month of April runway surface maintenance was carried out on the intersection of Runways 15L-33R and 05-23 (One of our busiest intersections)
  - Runway 15L-33R was worked on for re-surfacing, inset lighting and re-painting in three phases
  - This was completed on June 7, 2013

## The Impacts

- Arrivals on runway 15R and straight out departures on Runway 33L both affect Brampton wards 7, 8, 9 and 10
- Departures on runway 15R, which are rare, affect Mississauga south of the airport (Ward 5) and parts of Toronto's western edge bordering Mississauga

# Runway 15L-33R

## Complaints & Impacts (North/South runways April and May)

	Arrive 15L	Depart 15L	Arrive 15R	Depart 15R	Arrive 33L	Depart 33L	Arrive 33R	Depart 33R	Total
Apr	0	2	175	4	7	5	8	2	203
May	0	0	5	0	7	7	1	0	21
Total Complaints	0	2	180	4	14	12	9	2	224
Total Callers	0	2	10	3	6	9	2	2	34

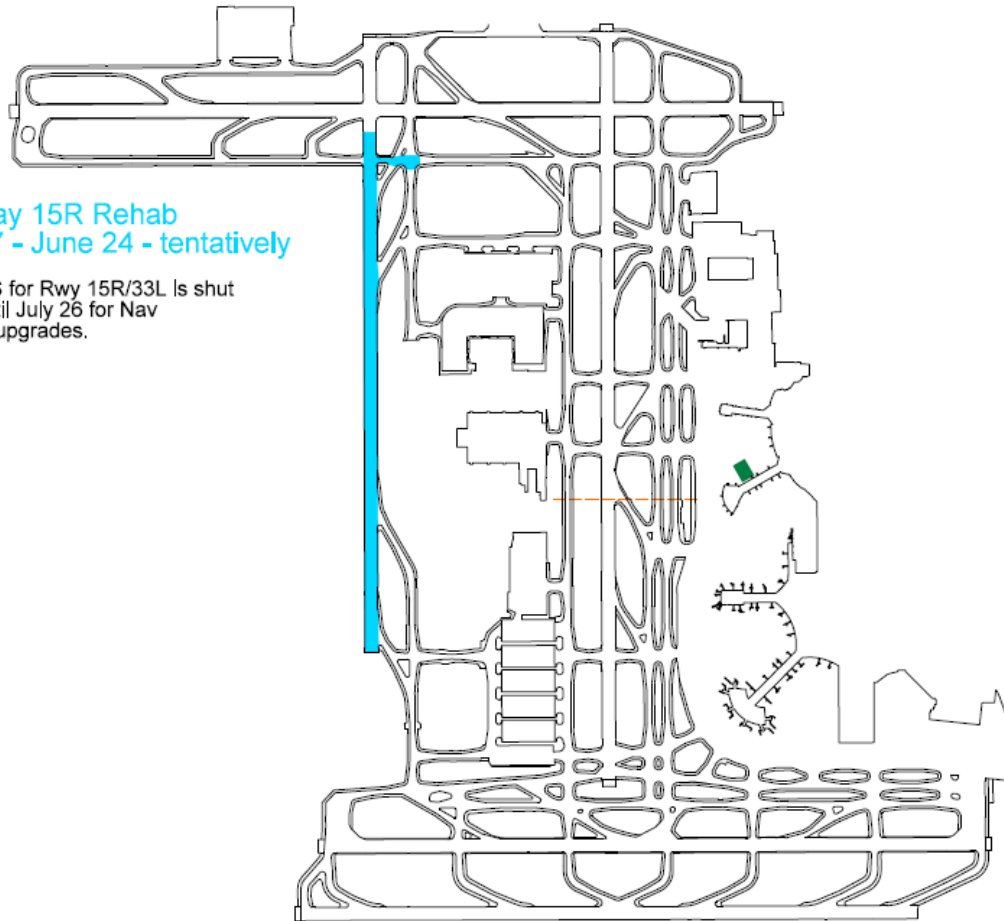
- Sustained arrivals for runway 15R were experienced on April 26 and April 28
  - Noise complaints related to arrivals on runway 15R were significant in April as the flight path for this runway is directly over a residential area
  - 1 caller accounted for 152 of those noise concerns for arrivals on 15R
- Sustained departures for runway 33L were experienced on April 13-17 and May 16, 20, and 23
  - A total of 12 noise concerns for departures on runway 33L from 9 callers were recorded

# Construction Program 2013 - Ongoing



Greater Toronto Airports Authority  
Aircraft Concessions and Coordination  
P.O. Box 9901, Toronto, ONT, Canada M3J 1S2  
Tel: (416) 776-2832 Fax: (416) 776-0814

## Ongoing Airside Construction Projects 2013



**Runway 15R Rehab**  
June 7 - June 24 - tentatively

Note: ILS for Rwy 15R/33L is shut down until July 26 for Nav Canada upgrades.

**Apron Rehab at C29**  
June 17 - July 9

**Infield Tunnel Rehab**  
April 2 - June 28

**2013 Ongoing Airside  
Construction Projects**

2013 Ongoing Airside Construction Projects.dgn

June 14, 2013

# Runway 15R-33L

## The Work

- Rehabilitation work and navigational aides replacement
- From June 8th to the end of July the Instrument Landing System (ILS) for Runway 15R-33L will be replaced and upgraded
  - An ILS is a ground based precision guidance system using radio signals to guide aircraft for a safe landing
- At the same time, re-surfacing work will be carried out while the runway is unavailable
- Work is underway



# Runway 15R-33L

## Impacts – 15R

- When weather requires operations to the south, Runway 15R is usually assigned to arrivals, and Runway 15L to departures
- As Runway 15R will not have a functioning ILS it will not be assigned to arrivals
- Runway 15R will be used for departures and Runway 15L will be used for arrivals
- Toronto and Mississauga wards directly to the south of the airport will be affected (Toronto 3 & 5, Mississauga 3 & 5)

# Runway 15R-33L

## Impacts – 33L

- When weather requires operations to the north, Runway 33L is usually assigned to arrivals, and Runway 33R to departures
- As Runway 33L will not have a functioning ILS it will not be assigned to arrivals
- Runway 33L will be used for departures and Runway 33R will be used for arrivals
- Runway 33L departures have been approved to conduct straight out departures to avoid aircraft intersecting in the air should an arrival on Runway 33R overshoot
- Brampton wards directly to the north of the airport will be affected (7, 8, 9 & 10) as well as Mississauga ward 5

# Construction Program 2013 - Upcoming



Greater Toronto Airports Authority  
Aerobics, Concessions and Construction  
100 Box 6081, Toronto, ON M1W 1P6, Canada LIP 1B2  
Tel: (416) 776-8000 Fax: (416) 776-9019

## Upcoming Airside Construction Projects 2013

Holding Bay Runway 06L Rehab  
September 3-17

Twy C, C2, and E Rehab  
August 15 - 28  
and  
September 3 -30

Taxiway DP Rehab  
July 22 - 28

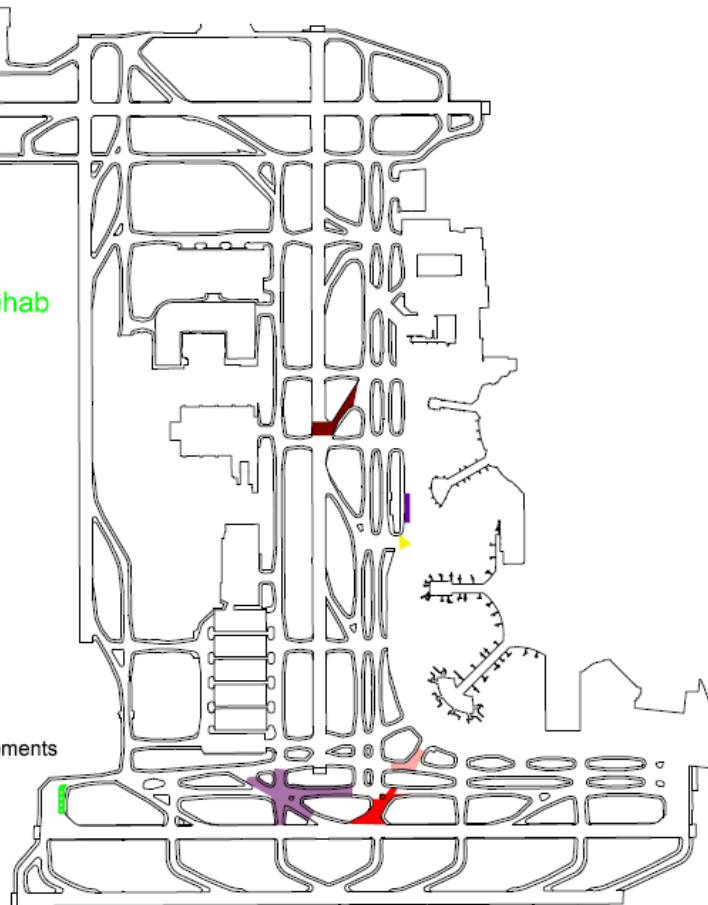
Taxiway C1 Rehab  
September 3 - 30

Note: Rwy 06L/24R will be closed  
September 3 - 30 due to zoning requirements  
during work on adjacent taxiways.

Twy B2 Rehab  
July 16 - 26

Apron Rehab at C33  
September 3 - 24

Taxiway AK Valve Replacement  
September 25 - October 30



### 2013 Upcoming Airside Construction Projects

2013 Upcoming Airside Construction Projects.dgn

June 14, 2013

# Runway 06L-24R

## The Work

- In August and September surface maintenance on taxiways and the holding bay area for Runway 06L-24R will be carried out
- The runway itself is not being worked on
  - However, due to the proximity, the runway will be unavailable in compliance with regulations at times

## The Impacts

- The expected impact on operations will be a greater number of departures on Runway 06R to the east and Runway 24L to the west
- These runways are located closer to the communities than 06L-24R, therefore their increased use may impact areas south of their flight paths
- Departures on runway 24L will impact areas of Mississauga to the west of the airport (Wards 5, 6 & 11)
- Departures on runway 06R will impact areas of Toronto directly east of the airport (Wards 2, 3 & 4)

# Communications

- Regular updates on Toronto Pearson Advisory page
- Email updates to CENAC members and elected officials when changes occur, or when particular impacts are anticipated

# Thank you



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