Appendix A – BBTCA Capital Program Update



Billy Bishop Toronto City Airport
Capital Program 2020 Update to Community Liaison Committee

Date: February 26, 2019

Presented By: Bojan Drakul
Location: Waterfront Neighbourhood Centre

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Agenda

- Review Status of Key PortsToronto's Capital Program Projects to be Completed at the Airport in 2020

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Airfield Rehabilitation Program – Remaining Works



- A few minor works to be completed during final year of Maintenance period including:
  1. Runway 08-26 / Taxiway Echo Intersection Grading (2-3 nights)
  2. Threshold Improvements for Snow Removal Equipment Efficiency (1-2 nights)
  3. Raise / Relocate Bell Manhole (5-10 nights, high water level dependent)
  4. Miscellaneous Electrical Deficiencies (5-10 nights)
- Starting in early May
- Night work only (2300-06:45)
- Same measures implemented to minimize noise and lighting impacts on community
- Do not anticipate need for night time ferry use at this time

- Update to airport access including improvements to traffic flow and passenger experience
- Storm water management updates
- Coordinated with Bathurst Quay Neighbourhood Plan and Dockwall Repair including Record of Site Condition for change of land use from industrial to parks and open space
- Construction to Commence in early April (weather dependent)
- Attempt to complete work before July, if possible
- Return in September, if needed
- Anticipated completion by end of October 2020



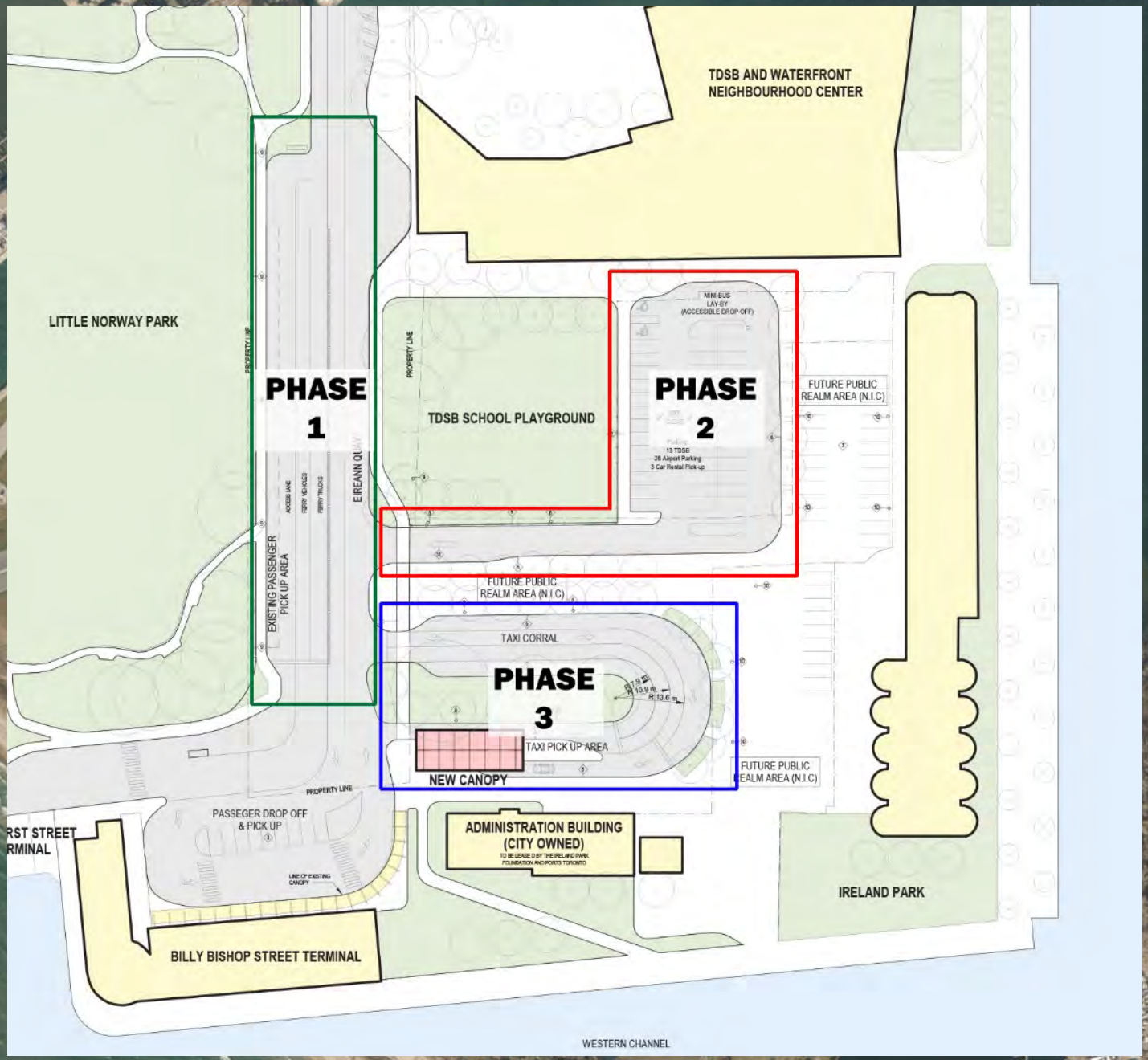
City Side Modernization

Tentative Construction Schedule:

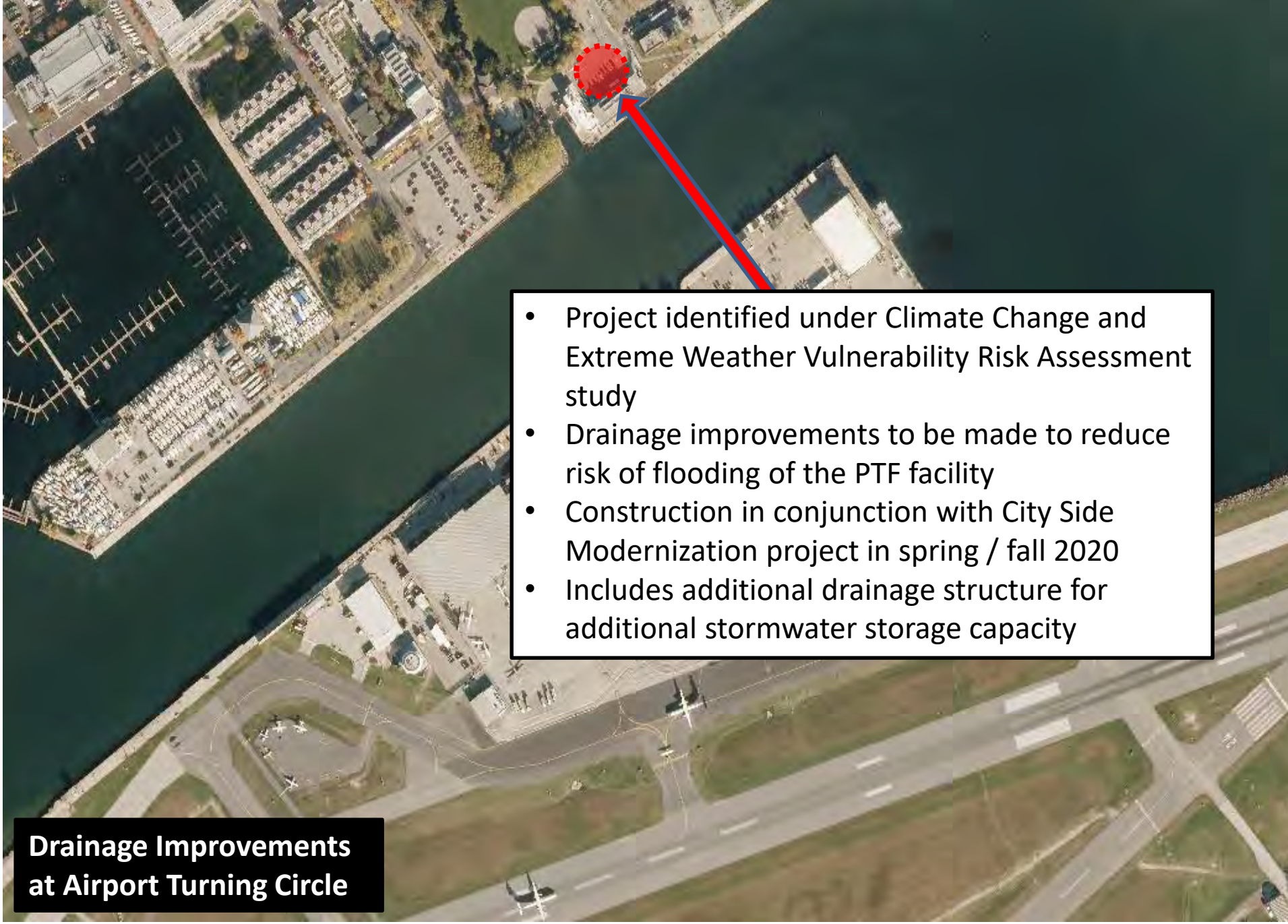
PHASE 1:
April – mid May

PHASE 2:
mid May – mid June

PHASE 3:
mid June – mid July
(time permitting)
or
mid Sept – mid Oct



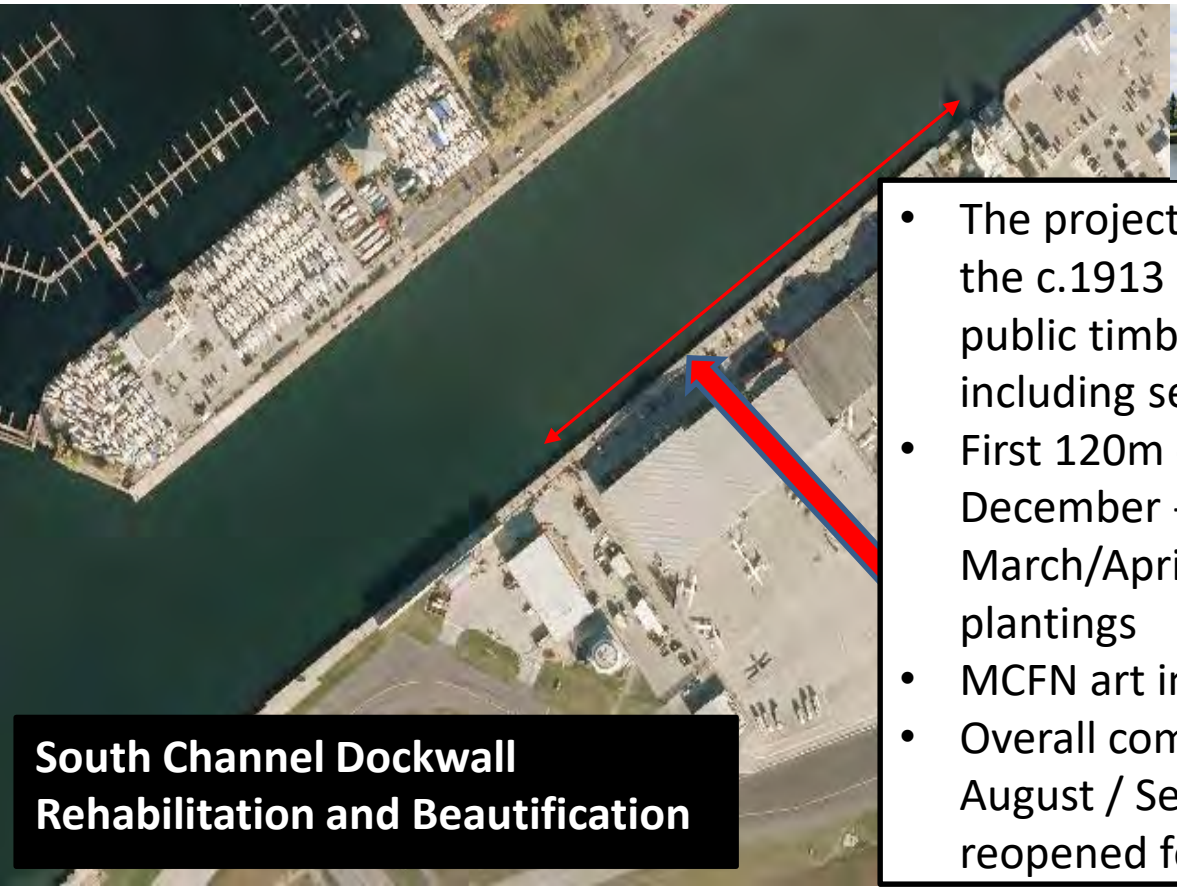
City Side Modernization



- Project identified under Climate Change and Extreme Weather Vulnerability Risk Assessment study
- Drainage improvements to be made to reduce risk of flooding of the PTF facility
- Construction in conjunction with City Side Modernization project in spring / fall 2020
- Includes additional drainage structure for additional stormwater storage capacity

Drainage Improvements at Airport Turning Circle





South Channel Dockwall Rehabilitation and Beautification



- The project includes stabilization and repair of the c.1913 dockwall followed by construction of public timber boardwalk and greenspace including seating, and native plantings
- First 120m of dockwall repair completed in December - remainder to commence in March/April followed by boardwalk, seating and plantings
- MCFN art installation included as well
- Overall completion of all projects anticipated in August / September 2020 when area will be reopened for everyone's enjoyment

- Art sculpture to recognize and acknowledge the territorial lands of the Mississaugas of the Credit First Nation at Billy Bishop Airport
- Sculpture will be part of an overall initiative to repair and enhance the south dock wall and make it into a public space that can be enjoyed by passengers, staff and the community
- Maanjiidowin - The Gathering is a First Nations artwork that features three mythical fishers: Mukwa (Bear), Nigig (Otter) and Migizi (Eagle) who are attracted to the abundant resources of the estuaries and islands along Toronto's Lake Ontario shoreline and are enjoying a successful fishing outing.
- Artist: David M. General
- Design ongoing
- Art to be installed after the dockwall rehabilitation and beautification is completed – anticipated Summer / Fall 2020





South Channel Dockwall Art



Parking Lot / West Service Road Rehabilitation

- Stolport is planning on rehabilitating parking west of the Island Passenger Transfer Facility
- PortsToronto will combine road rehabilitation concurrently
- To follow dock wall repairs project for constructability purposes
- Anticipated to commence in late summer or early fall



Island East Dockwall Rehabilitation

- The project includes minor repairs to the east dockwall – to be completed this late winter / early spring
- Major repairs anticipated to be completed in 2022

- The MB1 to be the first lithium-ion battery powered electric vessel to operate in Canada
- The key goals to be achieved:
  - ✓ eliminate pollutant CO_2 emissions from current diesel engines
  - ✓ reduction of the noise emissions
- Design ongoing by Canal Marine
- Conversion will take place in a dry-dock facility (offsite) in July – September timeframe
- 5-year dry dock and other maintenance will be performed concurrently
- Anticipated back in service as fully electric ferry in November / December 2020



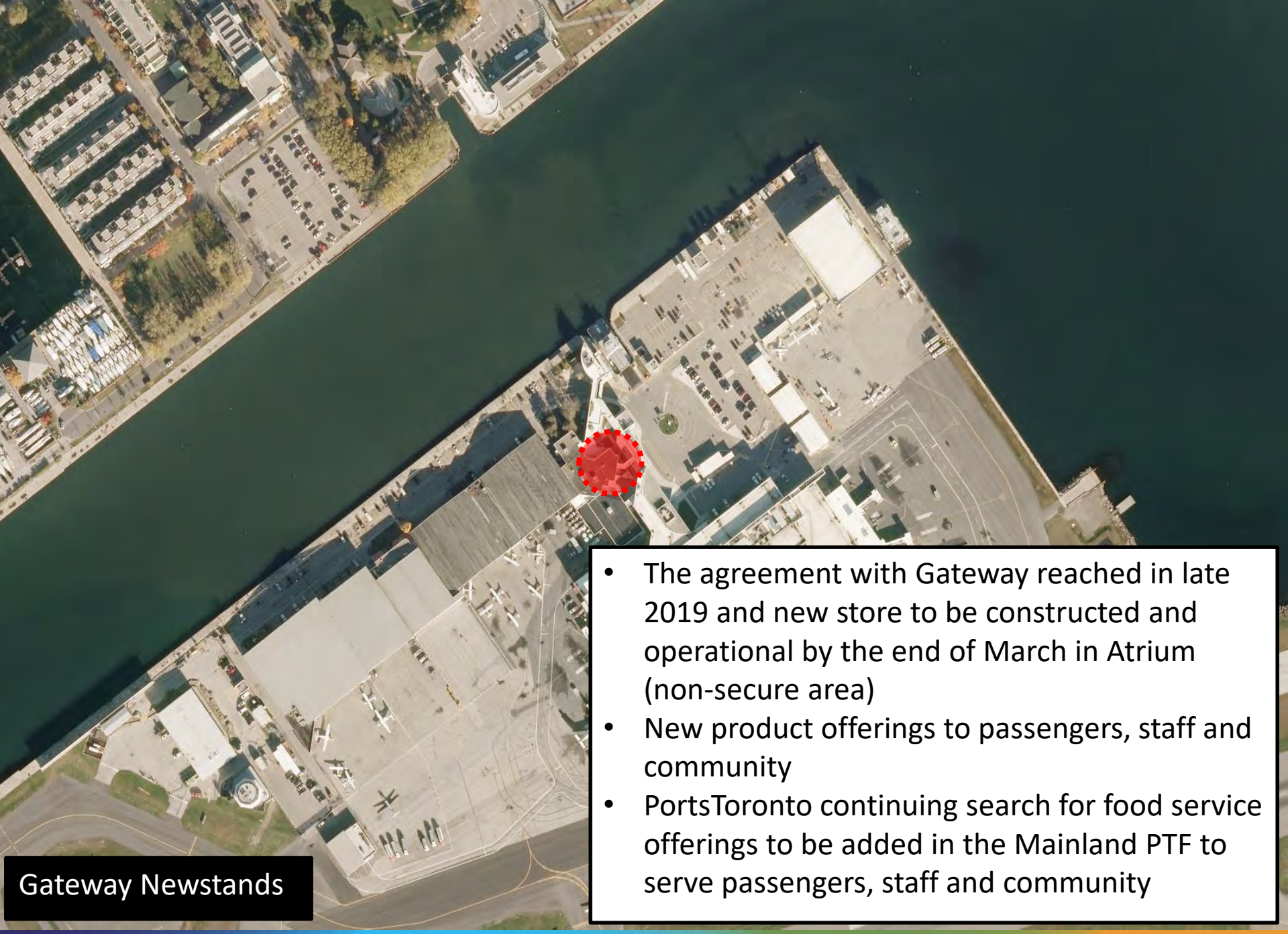
"Marilyn Bell I"

"Marilyn Bell I" (MB I) Ferry Electrification



Stormwater and Glycol Management Study and Design

- Study behind schedule due to difficulty in accessing infrastructure due to high water levels
- To be completed this spring
- Recommended improvements from the study will be taken into design in later part of 2020 with construction to follow in 2021



Gateway Newstands

- The agreement with Gateway reached in late 2019 and new store to be constructed and operational by the end of March in Atrium (non-secure area)
- New product offerings to passengers, staff and community
- PortsToronto continuing search for food service offerings to be added in the Mainland PTF to serve passengers, staff and community



Noise Mitigation Infrastructure

- PortsToronto will allocate funding for design for any potential infrastructure improvements that are recommended from the Airport Ground Noise Study
- Design to commence in later part of 2020 following completion of the study
- Scope to be determined



Gate 106 Replacement

- Relocation and replacement of the existing security Gate 106
- Currently in design phase, with construction stage scheduled for late summer 2020.



Miscellaneous Other Activities by PortsToronto

- PortsToronto's airport staff relocated from south side to the northwest side of Terminal building complex
- Summer arrival for new Airfield Rescue and Fire Fighting (ARFF) truck and airfield sweeper
- New procurement of Multi Purpose All Season Airport Maintenance Unit as a part of ongoing efforts to replace existing vehicles with modern, more efficient and cleaner vehicles
- Will be looking at flood protection along Taxiway Delta in 2020 as well

- Security control exit lanes preventing backflow of passengers at both transborder and domestic arrival bag claims
- Design to be completed shortly followed by issuance of Tender
- Construction to be completed likely in early Fall, depending on delivery time for the systems
- Night work inside terminal building only
- 1-2 weeks for installation



Passenger Backflow Prevention Systems



Mainland Passenger Transfer Facility Washroom Replacement

- Washrooms in Mainland PTF in need of rehabilitation
- Construction work planned for summer months, with estimated project completion in September 2020.
- Day time work inside Mainland PTF building only



- PortsToronto allocated funding in 2020 for design and construction of the new ferry gate at the Mainland side
- Construction work is scheduled for Nov – Dec 2020

Ferry Entrance Gate

Major Projects by Airport's Tenants





- Located west of the existing Hangar 1
- Construction ongoing
- Anticipated the hangar will be opened in Spring 2020

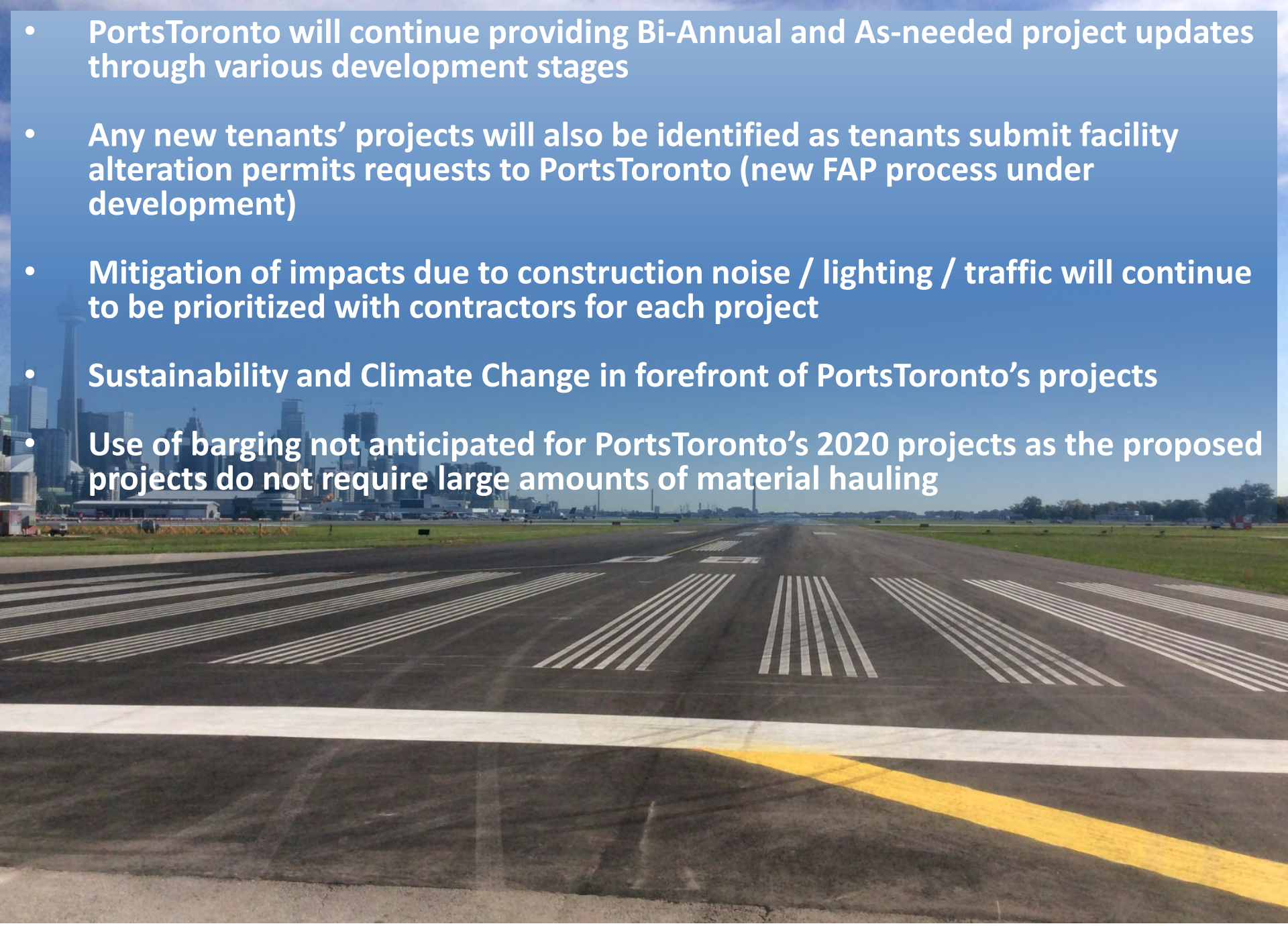
New Hangar (Stolport FBO Project)



- Project timing is uncertain as of yet; however unlikely the project would commence in 2020
- Project to be undertaken by Nieuport as the terminal operator, with PortsToronto's involvement

US Customs and Border Protection Pre-clearance

- PortsToronto will continue providing Bi-Annual and As-needed project updates through various development stages
- Any new tenants' projects will also be identified as tenants submit facility alteration permits requests to PortsToronto (new FAP process under development)
- Mitigation of impacts due to construction noise / lighting / traffic will continue to be prioritized with contractors for each project
- Sustainability and Climate Change in forefront of PortsToronto's projects
- Use of barging not anticipated for PortsToronto's 2020 projects as the proposed projects do not require large amounts of material hauling





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Appendix B – BBTCA Toronto Development Assessment Process

November 27, 2019

Billy Bishop Toronto City Airport

Toronto Development Assessment Process

Briefing to the Community Liaison Committee by Mike Karsseboom





Agenda

- Purpose
- Where we were
- Where we wanted to go
- City review and referral
- Initial Assessment & Response
- Detailed Assessment & Response
- Developers actions in the event of a conflict

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Purpose

- To ensure there is no impact of proposed developments to the airport
- BBTCA staff receive, assess and provide feedback to all developments (buildings and structures) that may impact the airport.
- To ensure builders are aware of impact and adjust their plans to eliminate the impact

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Where we were

- Inconsistent Process.
- Limited communications between PT and City Planning.
- If, in the city planner's opinion, there may be impact to the airport they would send paper documents to IPE.
- IPE would assess impact to airport zoning.
- Air Navigation Data, our EDO, would review the city planning website and assess but only against restricted approaches.
- NavCanada would assess against the public approaches but we would only find out if there was an issue will into the approval process.

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Where we wanted to go

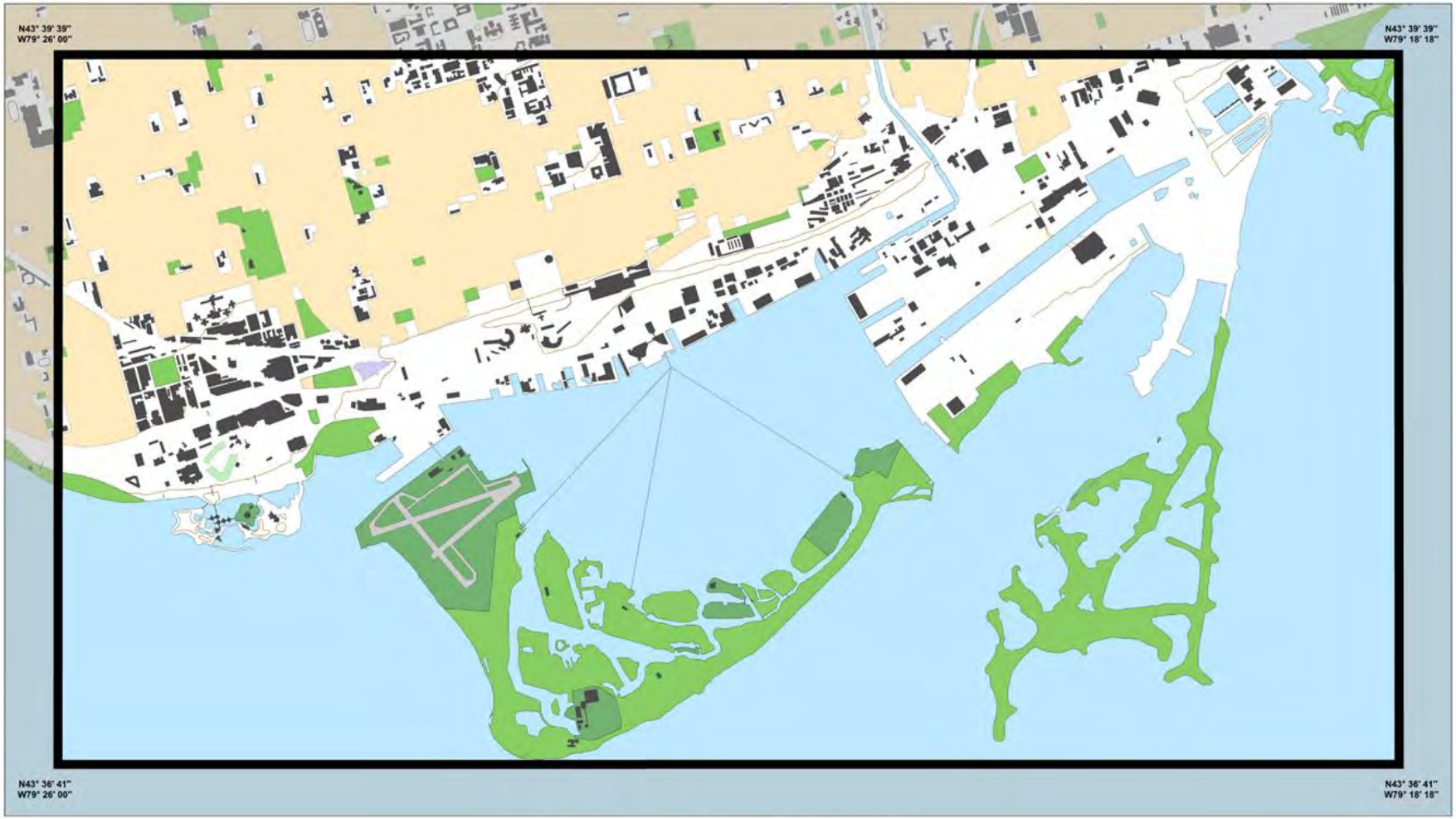
- Organized and consistent approach.
- Eliminate the guess work.
- Single point of contact at PortsToronto to assess all potential impact, including Zoning, OLS and all approaches.
- Electronic copies of documents only, to speed up information transfer and reduce paper use.
- Comments through the City Planning website.
- Working together and continually striving to improve a process that works for both organizations

The New Process

City Review and Referral

- City of Toronto planning receives all applications from developers.
- City of Toronto Planning reviews the location and if the development falls with the BBTCA area of influence the details of the project is forwarded to the BBTCA.

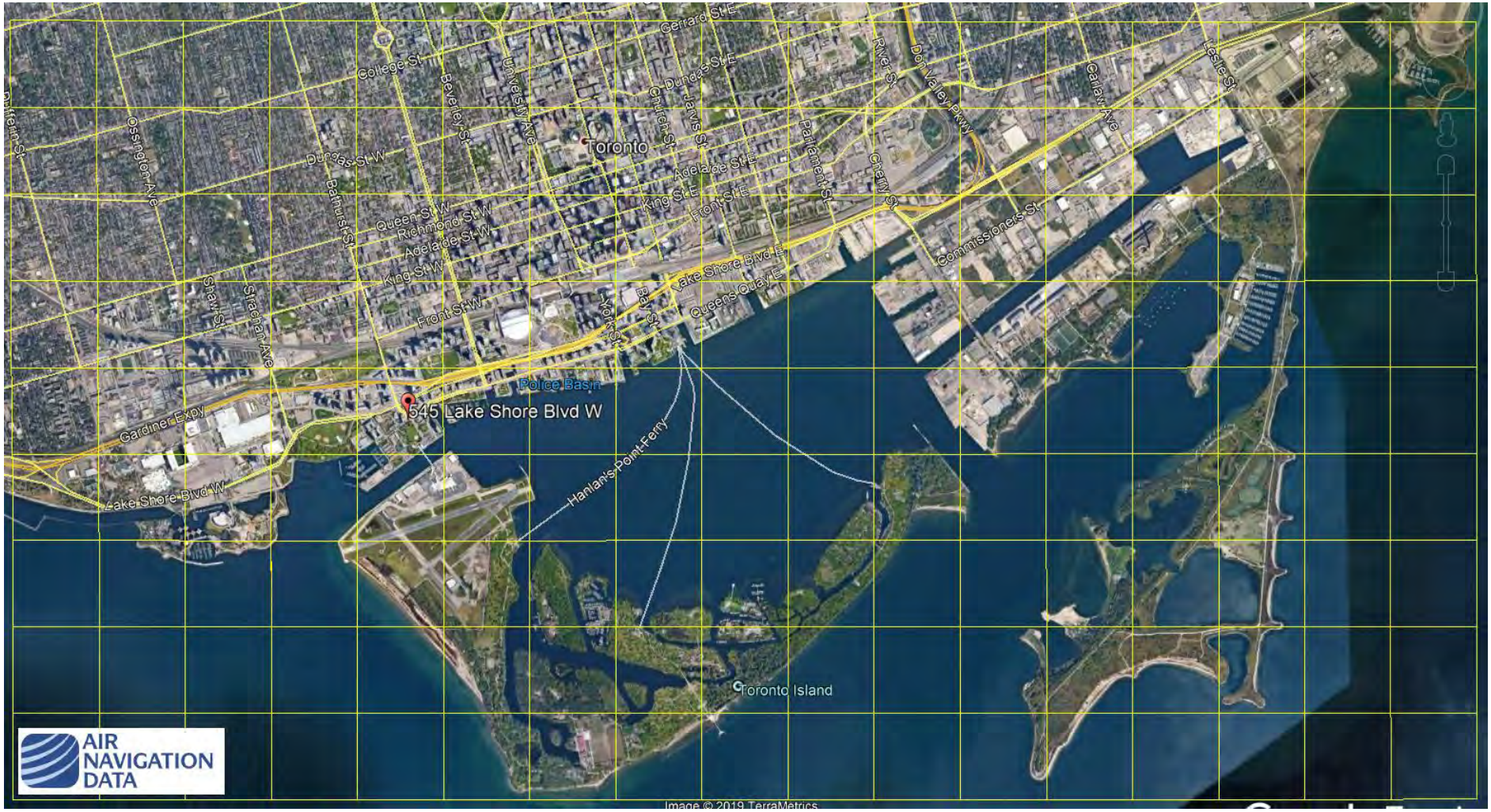
Area of Influence



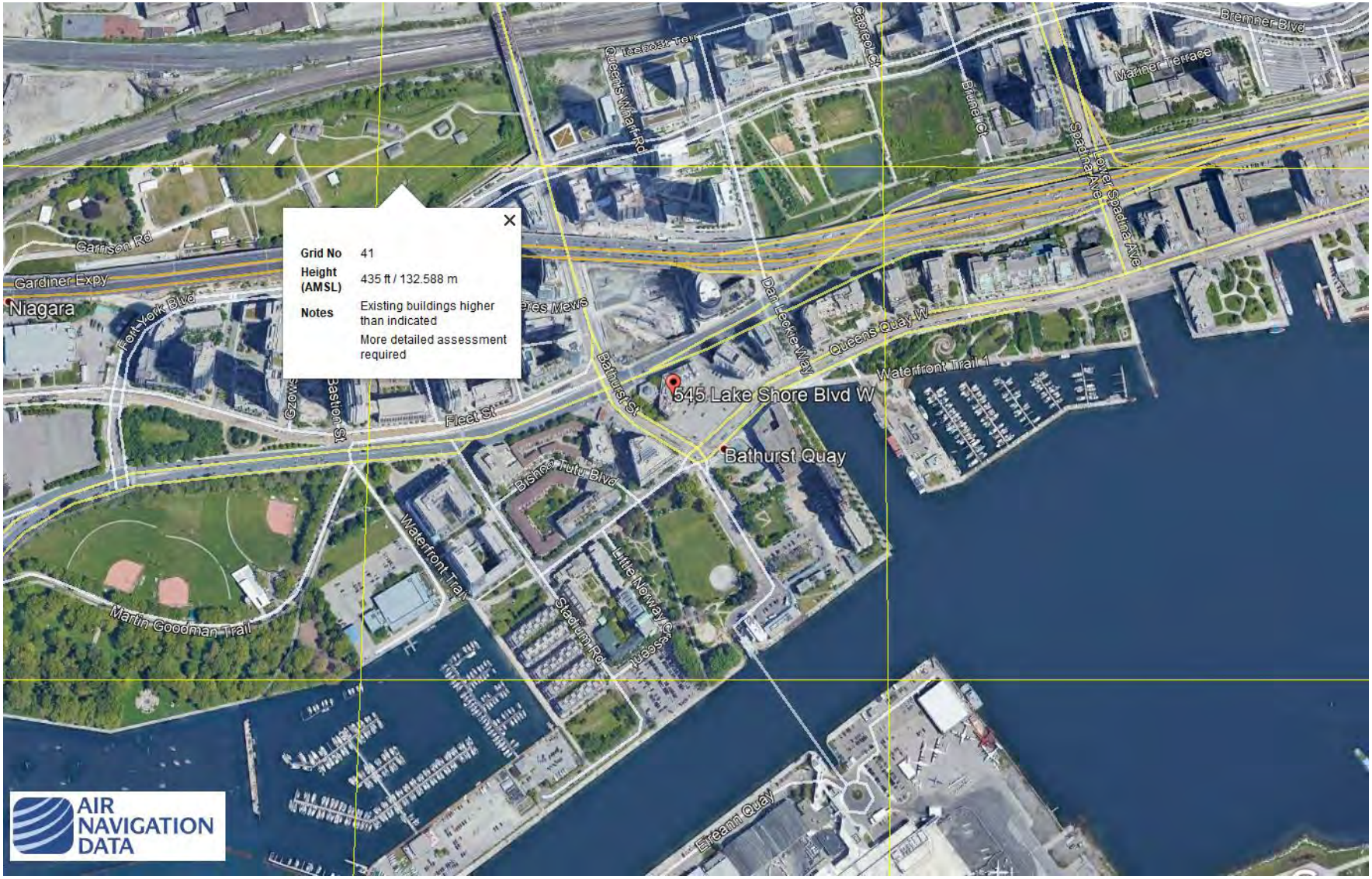
BBTCA Initial Assessment

- Using Google Earth assess the Approach Grid overlay and Registered Airport Zoning/OLS overlay.
- These overlays indicate max height in each grid and zoning section.
- Next, assess land use compatibility including exterior finishes and traffic impact to the Airport.

Approach Grid



Approach Grid Detail



Registered Zoning/OLS 08/26

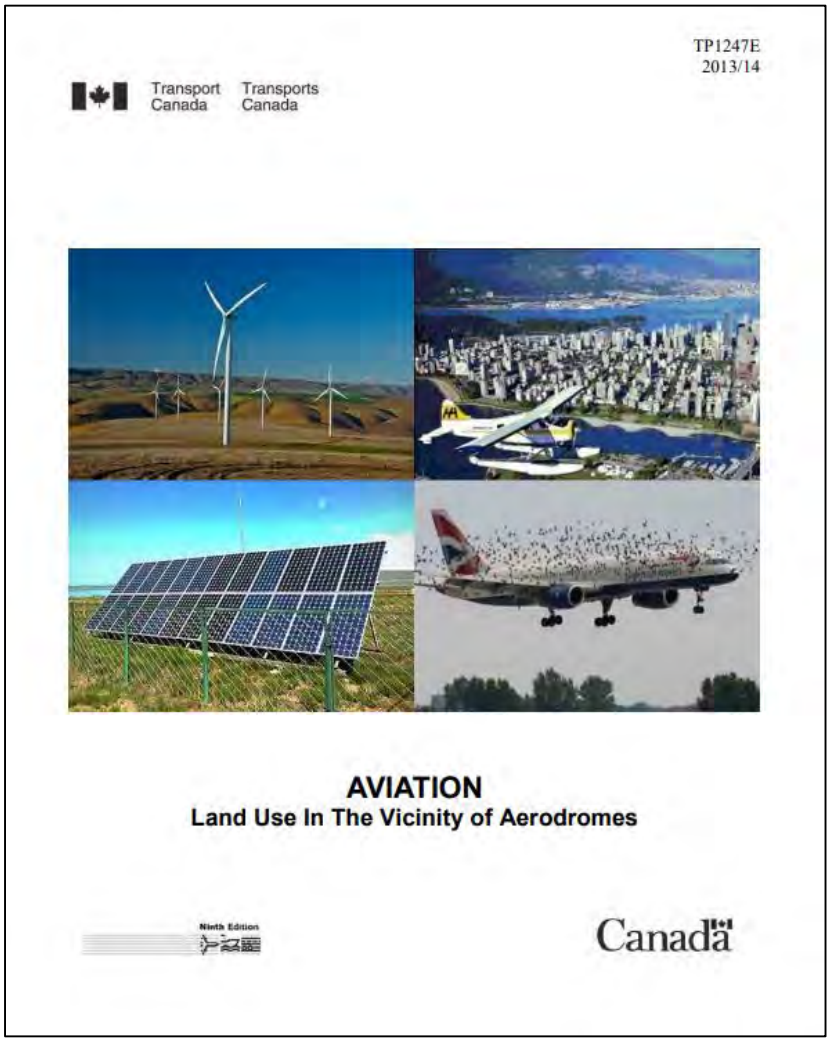


Registered Zoning/OLS 06/24



Land Use Compatibility

- **Assess land use compatibility including exterior finishes and traffic impact to the Airport.**



Response

- If there is no concern after the assessments a letter of no objection is sent.
- If after the assessments are complete, there is a concern, a letter of objection is returned detailing the concern to the Planner assigned from Community Planning.

Detailed Assessment & Response

- If the development is at or above the maximum allowable height the details are forwarded to the BBTCA contracted External Development Organization(EDO) for further review. (Air Navigation Data)
- If the EDO responds that the development is acceptable a letter of no objection is sent.

Detailed Assessment & Response (con't)

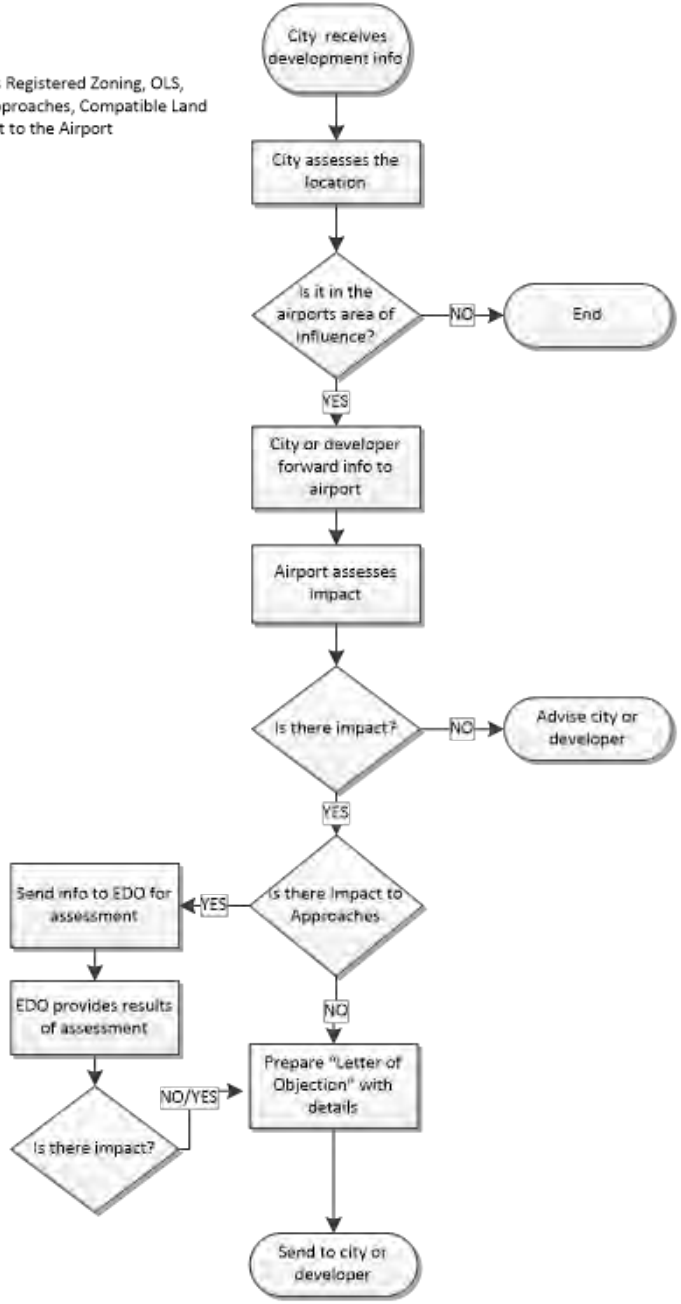
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- The letter should contain specifics as to what the impact is. i.e. building is 100' too high and will impact the missed approach on the ILS08.

Developer's Action

- If the building has impact on the airport we will notify the City requesting for a redesign as part of our formal comments on the application.
- The developer may need to adjust the design and resubmit a number of times before it is acceptable.

Process at a Glance

Note
1 – Impact assessment includes Registered Zoning, OLS, Airspace to be Protected for Approaches, Compatible Land Use (TP1247) and Traffic impact to the Airport





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February 26, 2020

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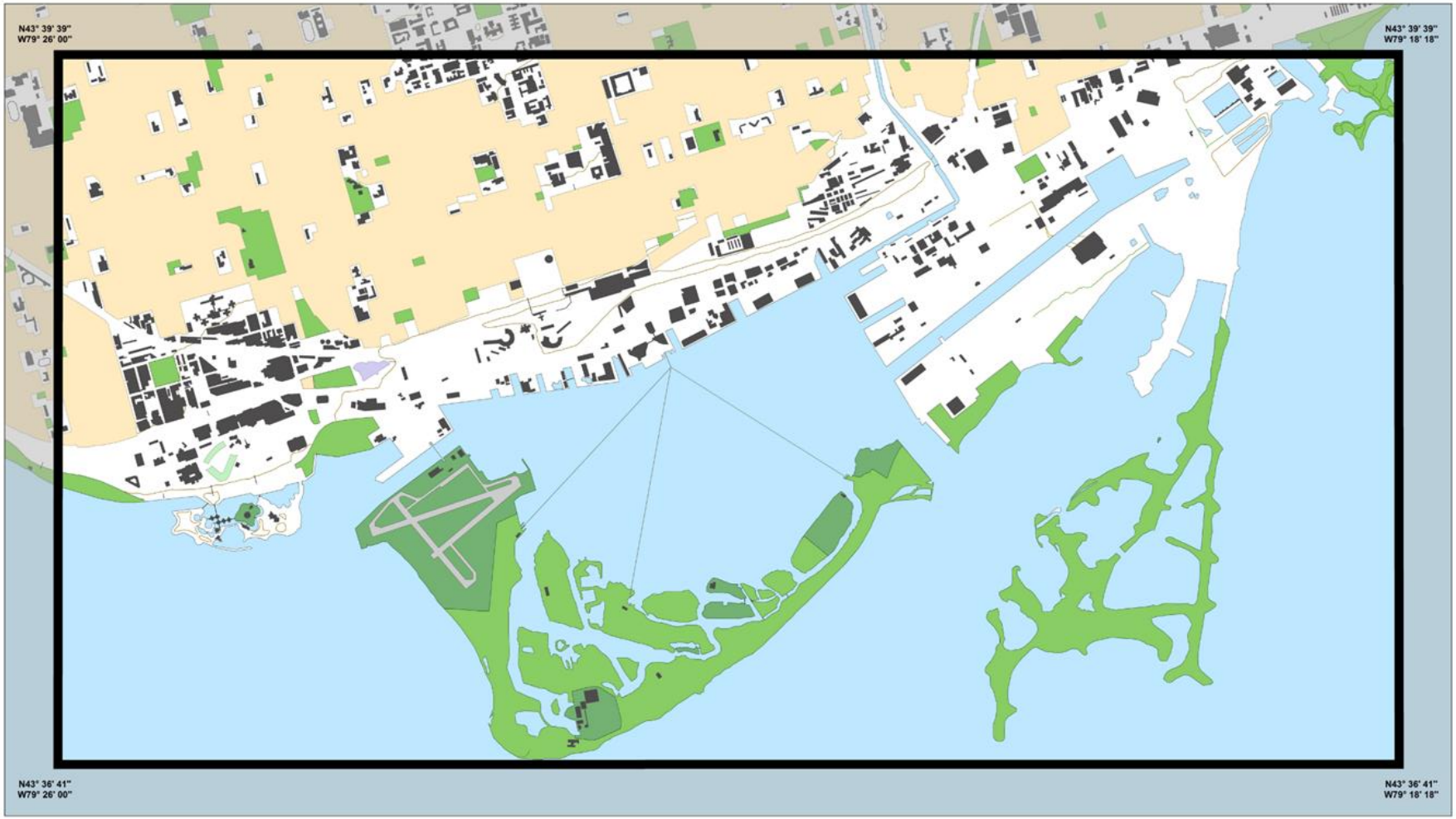
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Area of Influence



Toronto/Billy Bishop Airport (CYTZ)

Height Restriction Map

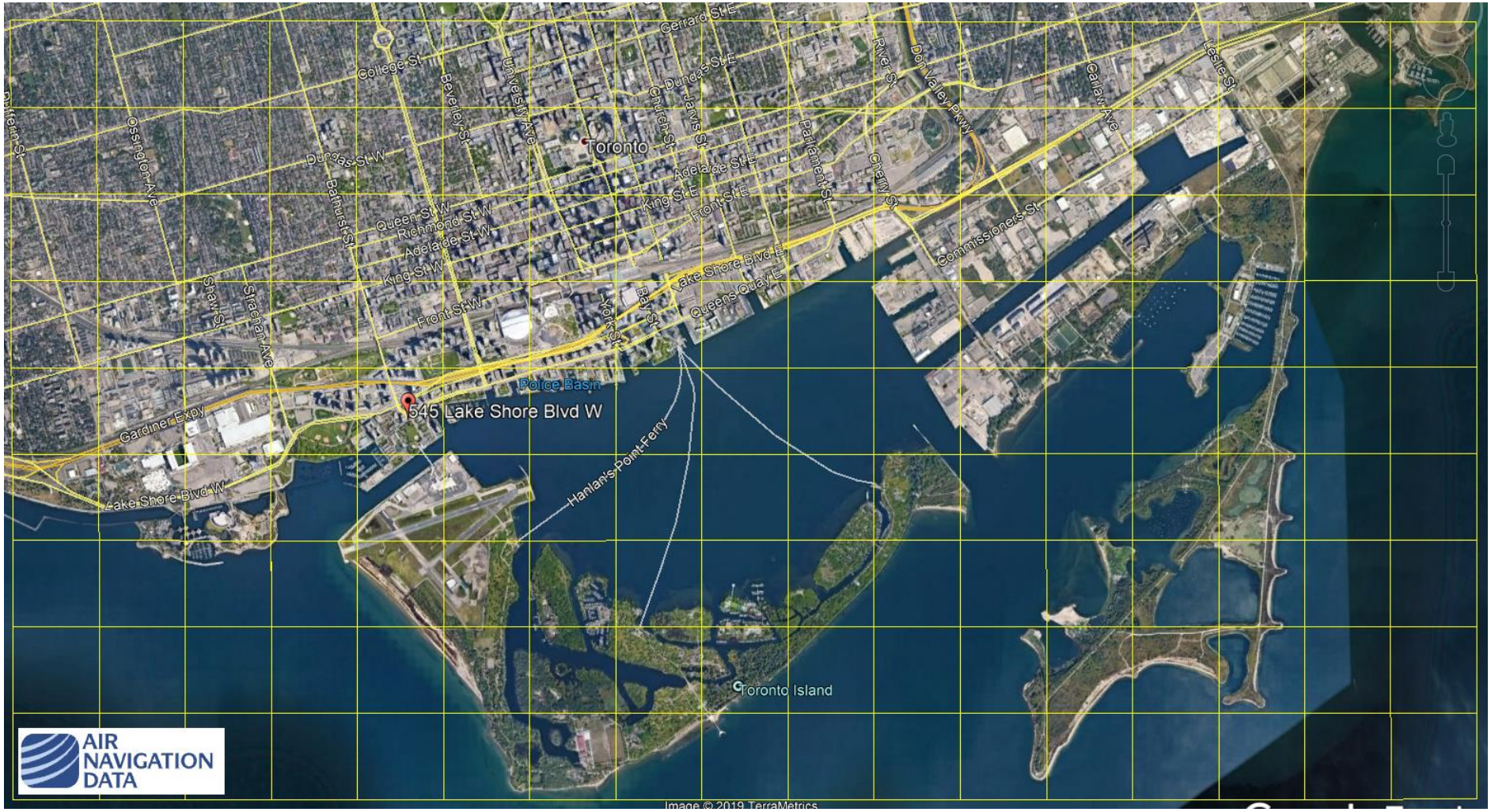
15 OCTOBER 2018

AIR NAVIGATION DATA®

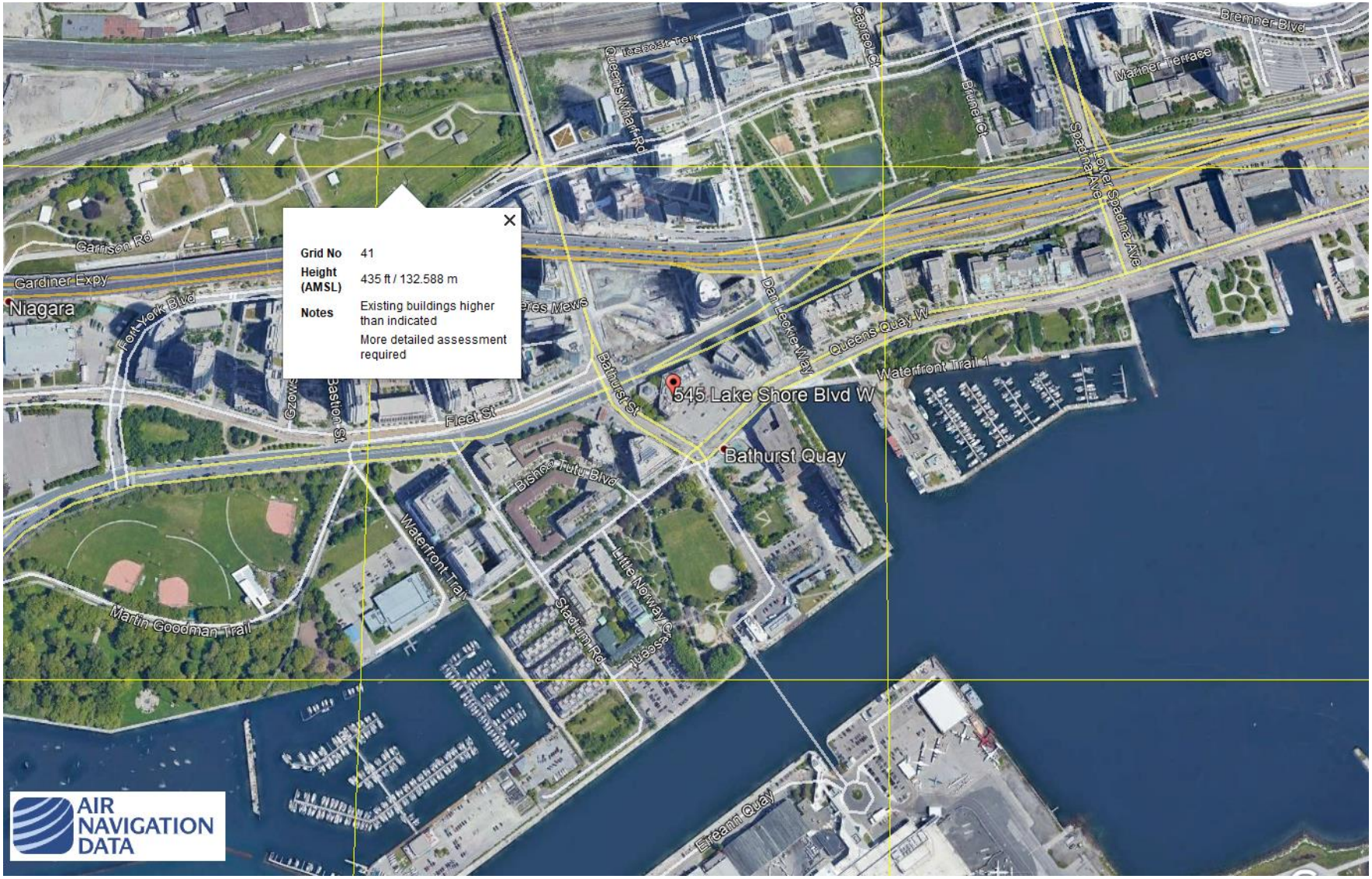
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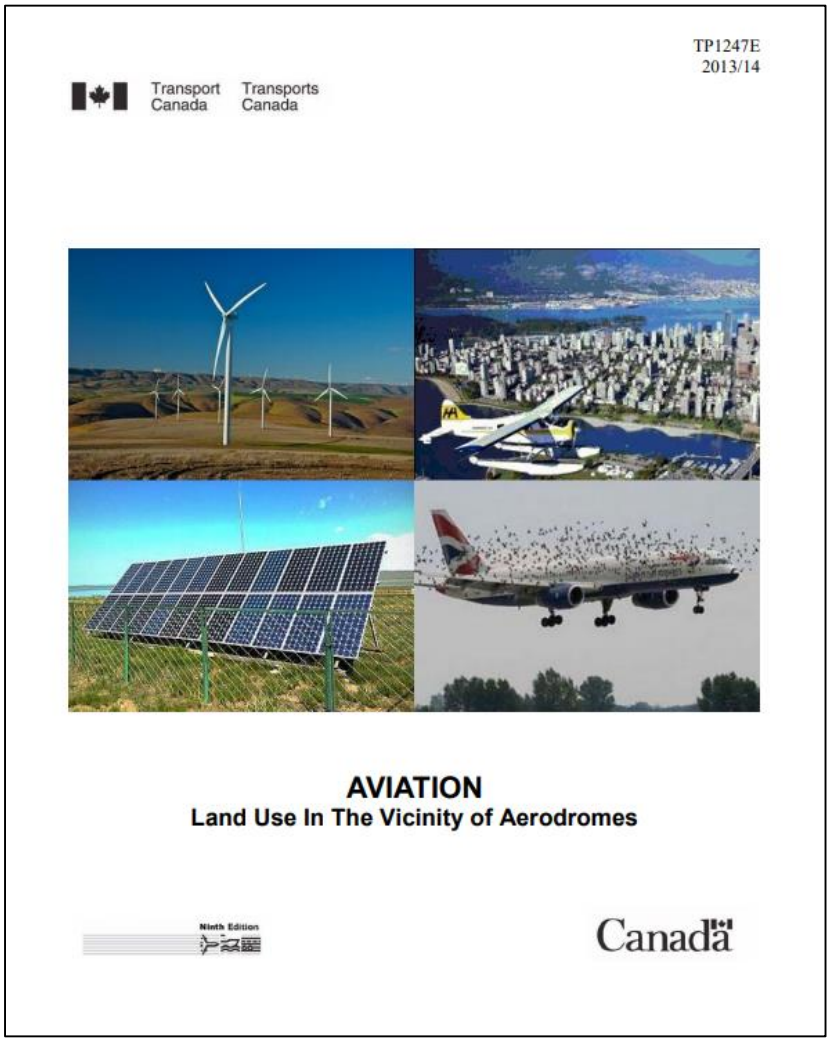


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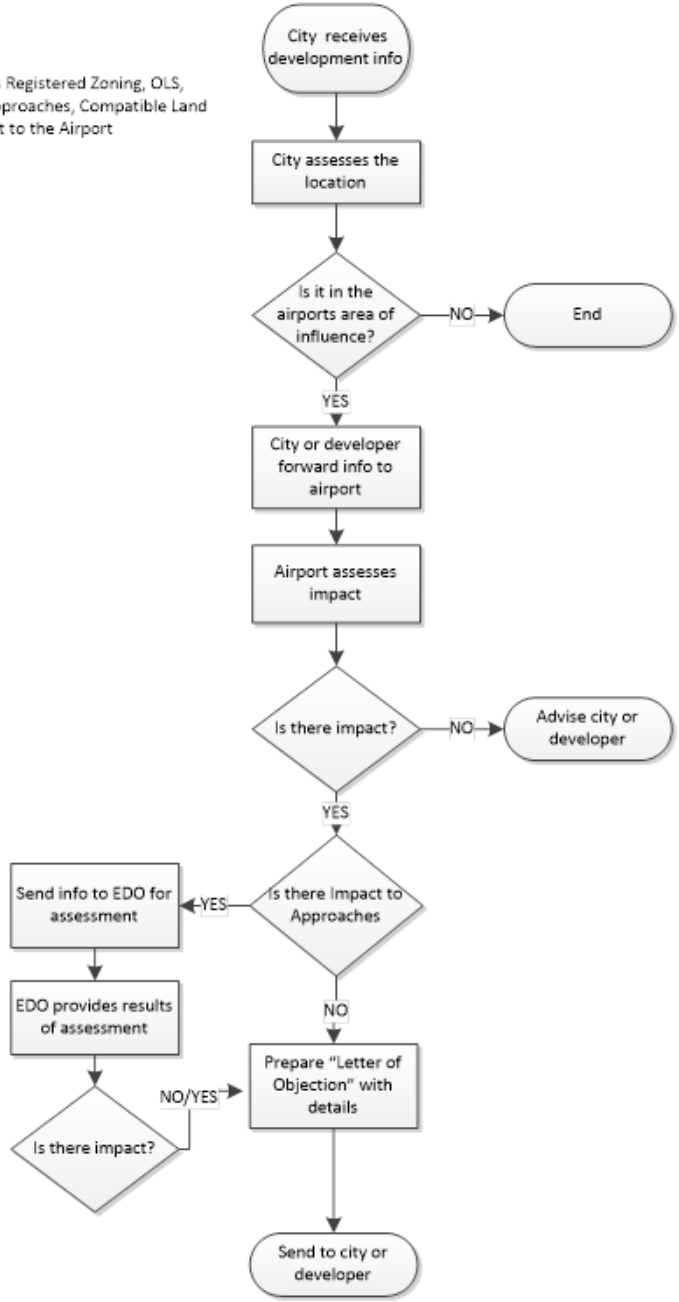
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Appendix C – Curfew Violation Monetary Recipients

Organizations to Receive Fees Generated from Curfew Violations

Suggestions from BQNA:

Environmental Defence
https://act.environmentaldefence.ca/page/34341/donate/1?ea.url.id=2495797

Foodshare
https://www.canadahelps.org/en/dn/m/34403/donation

Alliance for Healthier Communities
https://www.allianceon.org/support-alliance

Planet in Focus
https://www.canadahelps.org/en/dn/11442

Daniel's Launchpad (located on the Waterfront
https://artscapedanielslaunchpad.com/organizations/

Suggestions from YQNA:

Harbourfront Centre

Other Suggestions:

Waterfront Neighbourhood Centre

Toronto Island School

Waterfront School

Broadreach Sailing

Brigantines

George Brown College