Agenda

- **Background**
- **Lincoln Fields Station Concept**
- **LRT alignment, southwest of Lincoln Fields to Queensway, including:**
  - Pedestrian bridge replacement at Woodroffe High School
  - Elevated LRT structure to grade separate Bayshore and Baseline tracks
  - LRT tunnel alignment at Connaught Avenue
  - Queensview Station and pedestrian bridge
- **Future Closure of Queensway Station**
- **Pedestrian Connectivity**
- **Next Steps**
Stage 2 LRT Plan

- Consists of 38 kilometers of rail and 23 new stations
- 3 segments: Confederation Line West, Confederation Line East & Trillium Line
West Extension consists of approximately 15 km of new rail and 11 new stations.
Environmental Assessment & Community Consultation

EA Alignment
- 4 EA Public Meetings held in Past (Nov. 2010, Apr. 2013, June 2013 and Apr. 2015)
- Functional design approved by Council in July 2015

Subsequent Public Consultations
- LRT Connectivity Public Consultation, Lincoln Fields to Cleary – June 4th, 2016
- Open House, Lincoln Fields Station Alignment – September 15, 2016
- Information Session, Queensway Terrace North – September 21st, 2016
- Information Session, Lincoln Fields Station Improved Alignment (Woodpark) – March 27, 2017
- Approximately a dozen presentations and meetings to local stakeholders and residents around Lincoln Fields & New Orchard

Status of EA
- EA approved by MOECC in December 2016
- Public delegations at FEDCO February 24, 2017
- Approved by Council on March 8, 2017
Comparison of Existing and New MUP Connectivity
Lincoln Fields - View Looking North
Lincoln Fields- Carling Ave Crosswalk
Land Exchange:
- Return valley lands to NCC
- New lands for enhanced alignment
- Net impact is neutral but transit no longer constrains valley
Transitway Lands – Reinstatement Concept

- Reinstate the parkway setting in the valley where Transitway currently exists
- A major disentanglement of transit from natural valley corridor
- Creation of naturalized valley habitat in a meadow setting
- Reinforce the greenspace connecting Pinecrest Creek to the Ottawa River
- Enhance the multiuse pathway experience and safety within the valley lands
LRT Alignment
Southwest of Lincoln Fields
Pedestrian Bridge Replacement

- Alignment cannot avoid the existing east piers of the pedestrian bridge at Woodroffe High School
- The bridge will be demolished and replaced with a new bridge over the LRT alignment
- Construction schedule will ensure new bridge will be in place before demolition of existing bridge
- Construction schedule, once finalized will be shared with Woodroffe High School regarding bridge replacement timing
Woodroffe High School Bridge Replacement

Reference Design Concept

Current Bridge
Southwest of Lincoln Fields, the track alignment splits to Bayshore Station and Baseline Station

- At the split, the tracks must be grade separated to ensure reliability of service for both ends of the line

- Tracks to Bayshore go over the southbound track to Baseline (with both Baseline tracks remaining at grade)
  - The existing Transitway to Iris may remain open during construction
  - Multi-use pathways can be maintained under the elevated ‘split’ structure
  - Visual impact of bridge/berm can be minimized
LRT Elevated Alignment at Bayshore/Baseline Split
LRT Elevated Alignment at Bayshore/Baseline Split
LRT Tunnel Alignment at Connaught Avenue

- Rapid transit alignment has been protected by City for decades
- Length of tunnel roof sections is approximately 400 metres
- Tracks rise to grade in an open cut with retaining walls at both ends of the tunnel
- Tunnel requires ventilation
LRT Tunnel Alignment
Under Connaught Avenue
LRT Tunnel Alignment
Proximity to Adjacent Houses
LRT Tunnel Alignment Under Connaught Avenue
LRT Tunnel Alignment Under Connaught Avenue
LRT Tunnel Alignment
Property Impacts

- Three City properties, purchased when the corridor was approved in the 1990s and currently under lease, will be required for construction.
- A small portion of two properties will be required for a subsurface utility easement.
- Mobilization sites for construction staging will also be required adjacent to the Connaught tunnel and the Pinecrest Creek bridge.
- Includes use of existing baseball diamond for duration of construction.
LRT Tunnel Alignment
Property Impacts
Noise and Vibration Analysis

- Ambient noise levels will be impacted by LRT operations at the following locations:
  - Pinecrest Creek Bridge
  - Elevated LRT structure (bridge) at the Bayshore/Baseline split
  - Connaught Tunnel (at grade through a short section of the park)

- Ambient noise levels are currently impacted by:
  - Highway 417 and Transitway operations
  - OC Transpo garage on Queensview

- Preliminary noise & vibration analysis has been completed:
  - Length of buried structure with roof (i.e. Connaught Tunnel) has been increased by 15m and east portal moved further north away from residential area by that distance
  - Resilient track fasteners will mitigate vibration
  - Track bed system will be confirmed by successful bidder
Vibration Mitigation Measures

Resilient Fasteners
Vibration Mitigation Measures

Resilient Fasteners

Floating Slab
Queensview Station

Ottawa

LEON'S

IKEA
Ongoing discussions with adjacent landowners to facilitate station access through their properties.
# Forecasted Ridership

<table>
<thead>
<tr>
<th>Station</th>
<th>Total Boardings and Alightings (2031, AM Peak Hour)</th>
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<tbody>
<tr>
<td>Lincoln Fields</td>
<td>2,646</td>
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<tr>
<td>Queensview</td>
<td>638*</td>
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<tr>
<td>Pinecrest</td>
<td>796</td>
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*Queensview Station is busier than 11 other Stage 2 stations*
Next Steps in Project Implementation

1. Sign up for QTN Working Group
2. Address feedback from the community in upcoming RFP
3. RFP out to tender, June 2017
4. RFP bids received, February 2018
5. Award of Stage 2 contract, May 2018
6. Construction start, early 2019
7. Confederation West LRT open for revenue service, end of 2023
Breakout Sessions

1. Alignment/Route/Stations – Room 111
2. Pedestrian Connectivity – Room 112
3. Local Bus Service/Ready for Rail – Room 113
4. Construction/Staging/Mobilization/Detours – Room 114
Questions?
Adjacency to Properties South of Lincoln Fields