



WELCOME to

Public Open House^{#1}

April 22, 2009
5:30 p.m to 8:30p.m

St. Josaphat Catholic School
55 Pelham Avenue
Lunch Room/Cafeteria
Toronto, ON

Davenport Diamond Rail/Rail Grade Separation



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Davenport Diamond Rail/Rail Grade Separation



Please Sign In

- Please sign in so we can add you to the mailing list.
- Please ask questions.
- Please fill in a comment sheet to let us know what you think.





Study Overview

- GO Transit is undertaking pre-planning and consultation to determine the need for and likely alternatives to alleviate capacity constraints through the Davenport Diamond rail crossing in the City of Toronto.
- Following the pre-planning stage, this project will be subject to an environmental assessment pursuant to the Transit Project Assessment Process.



Purpose of Public Open House # 1



- To present the project to the public
- Collect information relating to the project area
- Obtain comments on the information provided
- Address questions and concerns





Study Process – Ontario's Transit Project Assessment Process

- Required under the Environmental Assessment Act – Transit Projects Regulation (Ontario Regulation 231/08)
- Process is intended to streamline the approval process for transit projects
- Requires GO Transit to follow a structured consultation process
- Pre-planning studies will be completed before the commencement of the Transit Project Assessment Process
- Once commenced the assessment process is designed to be completed within 6 months





Study Process – Ontario's Transit Project Assessment Process

The Process includes:

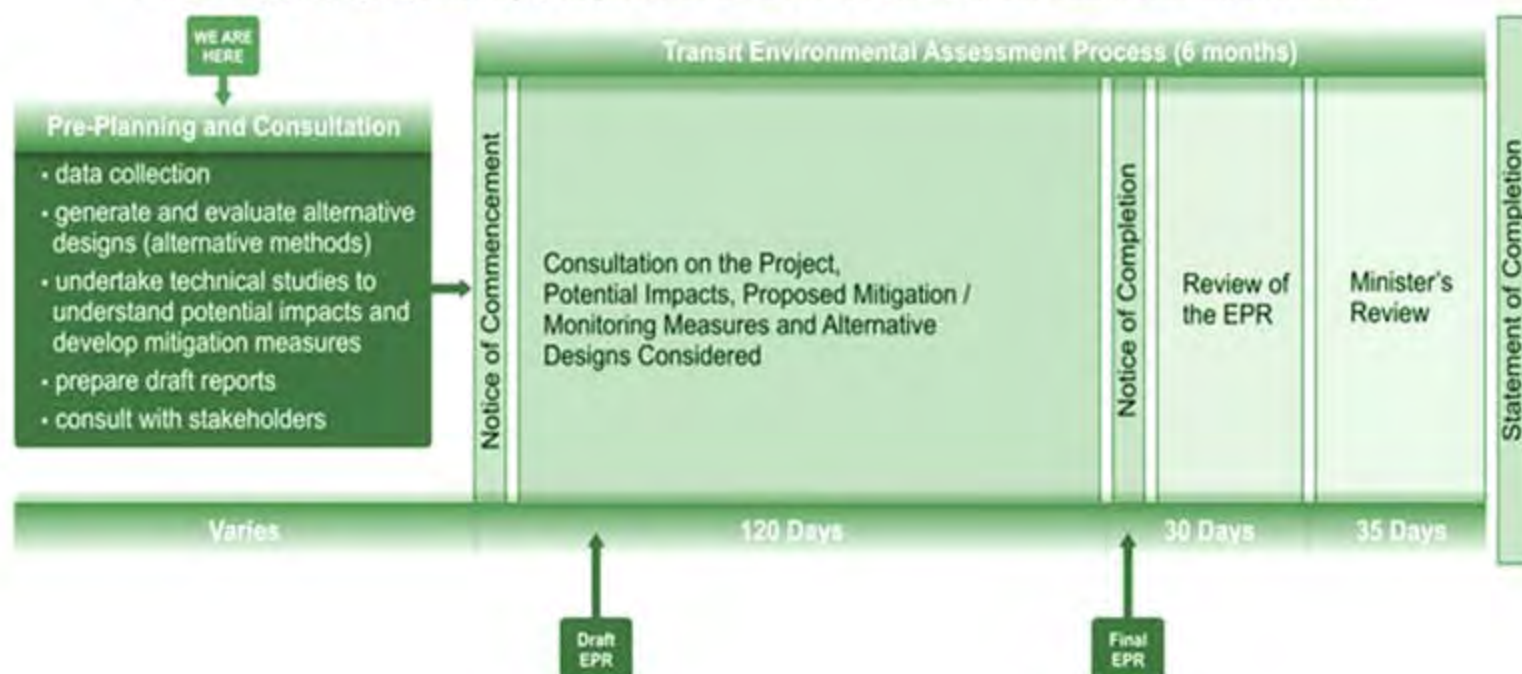
- Public and agency consultation/involvement
- Assessment of potential environmental effects
- Mitigation measures
- Documentation – Environmental Project Report (EPR)
- The EPR is available for comments by the public for a 30-day review period.
- Public has an opportunity to submit an objection to the Minister



Ontario's Transit Project Assessment Process



The following display depicts the key stages and timelines for the Transit Environmental Assessment Process:



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Davenport Diamond Rail/Rail Grade Separation

Study Area



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Davenport Diamond Rail/Rail Grade Separation

Description of Needs



- At the Davenport Diamond, CN's single track Newmarket Subdivision crosses CP's double track North Toronto S/D at grade through a series of two diamond crossings.
- The number of GO trains operating to Barrie and Bradford over the Newmarket S/D is restricted by CP trains on the North Toronto S/D that cross over the diamond.
- The diamond is also a source of delays to current GO train services.
- This Corridor has been identified for expansion under the GO 2020 plan.
- Grade separation at the Davenport Diamond has been proposed to improve overall rail service.





- Places to Grow
 - Newmarket and Barrie identified as Urban Growth Centres
- MoveOntario2020 and Metrolinx Regional Transportation Plan (RTP)
 - Project #8 - GO Barrie rail line capacity expansion
- GO2020 Strategic Plan
 - GO Barrie Corridor bidirectional all day service
- City of Toronto Official Plan
 - Utility corridors play a vital role in moving people and goods



Existing Conditions

Natural Environment

- Significantly degraded from existing uses
- No significant or valued terrestrial/wildlife communities or wildlife habitat
- Terrestrial vegetation is dominated by non-native species
- Wildlife present are urban tolerant species
- No aquatic habitat





Existing Conditions

Socio-economic Environment

- Mix of land use designations (i.e. Neighbourhoods, Employment, Utility, and Mixed Use).
- Study area has been in a state of transition over the past several years.
- Industrial uses along the rail corridor are now being replaced by residential with mixed density.
- The study area spans between Toronto Ward 17 and Ward 18.





Existing Conditions

Archaeological Resources

- A Stage 1 Archaeological Assessment was completed for this project.

Findings:

- One single archaeological site, the Carleton Village Public School site, had been registered approximately 500 m east of the study area.
- Little potential for the identification of Aboriginal and Euro-Canadian archaeological sites due to disturbed nature of the area.



Concept Alternatives



The concept alternatives for the project are as follows:

- *Do Nothing:* No improvements or changes to existing diamond would be undertaken.
- *Grade Separation:* The rail lines will be separated by taking one line over or under the other.







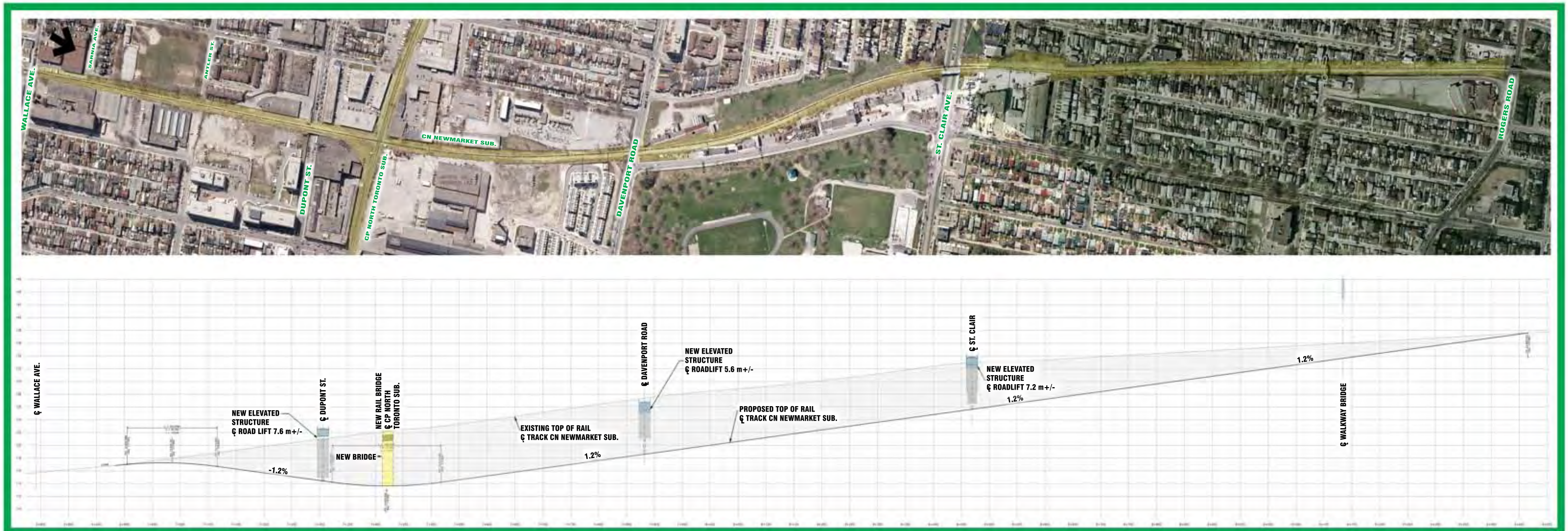


Concept Alternative 1

CN under CP Grade Separation 1.2% Grade

- CN tracks lowered under CP tracks at Davenport Diamond.
- Two track final alignment for both GO and CN trains.
- Grade separation consists of a depressed corridor from North of Wallace Ave. to South of Rogers Road.
- Grade separation requires new road over rail grade separations at Dupont St., Davenport Rd. and St. Clair Ave. W.
- Davenport Diamond removed after grade separation completed





DAVENPORT DIAMOND PLAN & PROFILE CONCEPT ALTERNATIVE -1



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Davenport Diamond Rail/Rail Grade Separation



Existing Dupont



Artist Conception

**Concept Alternative 1
Visualization**



Existing Wallace



Artist Conception

Wall treatments will be considered
with the City of Toronto

**Concept Alternative 2
Visualization**



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Davenport Diamond Rail/Rail Grade Separation

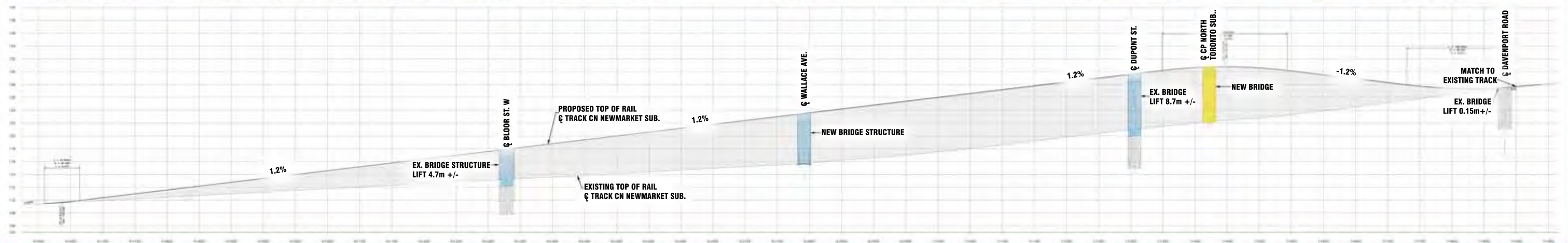


Concept Alternative 2

CN over CP Grade Separation 1.2% Grade

- CN tracks raised over the CP tracks at Davenport Diamond.
- Final two track alignment along CN Newmarket Subdivision.
- Grade separation used by both GO and CN trains.
- Grade separation consists of retaining wall and bridges at Bloor, Wallace, Dupont, and Davenport Diamond.
- Davenport Diamond removed after grade separation completed.
- Possible interconnections at Paton Rd. and Antler St.





DAVENPORT DIAMOND PLAN & PROFILE CONCEPT ALTERNATIVE - 2



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Davenport Diamond Rail/Rail Grade Separation



Existing Dupont



Artist Conception



Existing Wallace



Artist Conception

Concept Alternative 2 Visualization



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Davenport Diamond Rail/Rail Grade Separation

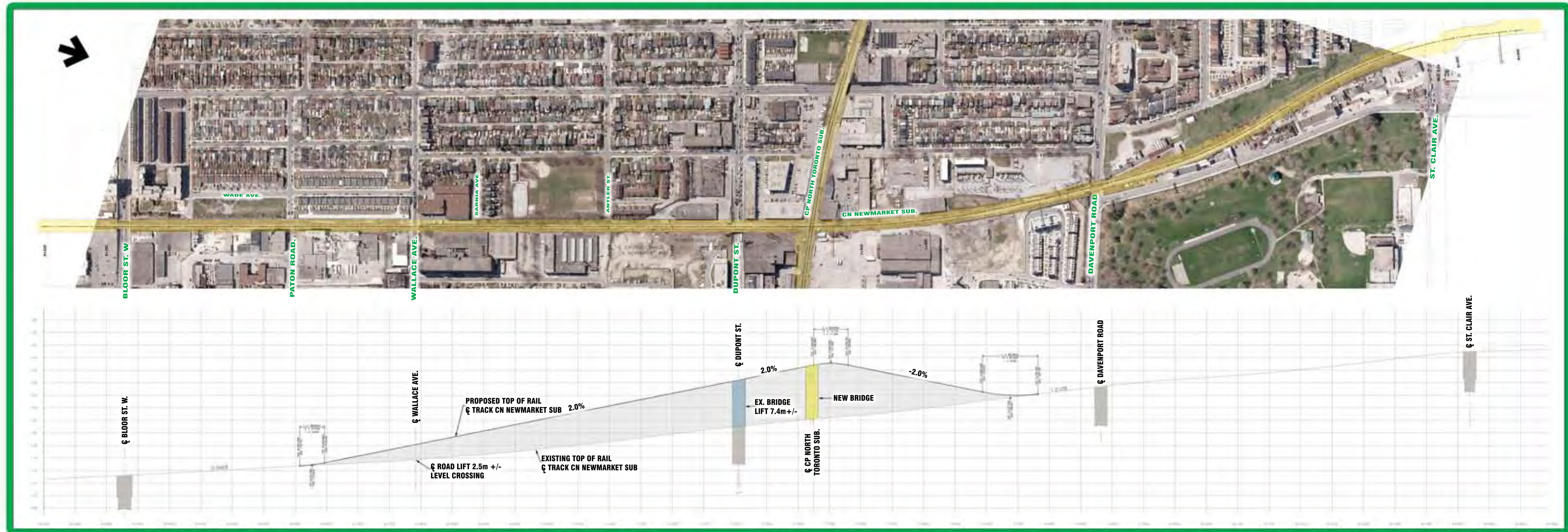


Concept Alternative 3

CN over CP Grade Separation 2% Grade

- CN tracks raised over CP tracks at Davenport Diamond.
- Final three track alignment along CN Newmarket Subdivision.
- Two tracks for GO Trains on the grade separation.
- Single at grade track for CN Trains.
- Davenport Diamond remains in service.
- Grade separation consists of retaining wall and bridges at Dupont St. and Davenport Diamond.
- Possible level crossing at Wallace Ave. or permanent closure.
- Existing road/rail grade separation at Dupont remains.





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Davenport Diamond Rail/Rail Grade Separation



Existing Dupont



Artist Conception



Existing Wallace



Artist Conception

Concept Alternative 3 Visualization



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Davenport Diamond Rail/Rail Grade Separation



- Existing topography rises from south to north and low proposed track grade requires long grade separation approaches.
- Noise and vibration may be an issue with residential areas along the corridor.
- Temporary partial and full closure of city streets for construction of new rail or road bridges.
- Aesthetics of grade separation structures.



Evaluation Criteria

The following criteria are proposed for the evaluation of effects of the alternatives. Criteria will be finalized based on public and agency input.

- Disruption of vegetation/wildlife
- Effects on soil and groundwater
- Requirement for property
- Noise – construction and operation
- Effects to residents from construction activities
- Effects to businesses from construction activities
- Effects to parks from construction activities
- Effects to existing utilities
- Temporary road closures/access restrictions
- Permanent road closures/access restrictions
- Effects on existing rail operations
- Cost

The comparative evaluation of alternatives will result in a recommendation of a preferred alternative, which will be presented at the next Public Open House.



Next Steps



- Comments received will be considered along with those received from agencies to confirm the alternatives and the proposed evaluation criteria.
- Public Open House #2 will occur after the Notice of Project Commencement, which will present background information, technically preferred alternative, and the assessment process.

Tentative Project Schedule

- Notice of Commencement – July 2009
- Public Open House #2 – August 2009
- Notice of Completion – Nov 2009





Thank You for Your Participation

Please provide your comments to this Public Open House in writing by completing a Comment Form and submitting it today, or by taking it home and returning it to one of the following Project Team members by April 29, 2009.

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Davenport's Diamond Bell/Red Circle Separation