Toronto District School Board (TDSB) INTERROGATORY #1 List 1

Interrogatory

Reference:
• Exhibit A/Tab 1/Schedule 1/Page 1/ Paragraph 2(b)

Preamble:
• Exhibit A/Tab 1/Schedule 1/Page 1/ Paragraph 2(b): references the new above ground transmission line between Leaside TS and Bridgman TS. This new line will cut across TDSB property (Bennington Heights Public School) raising concerns of increased Electro Magnetic Field ("EMF") levels on TDSB property.

Question/Request:
a) Will the new above ground transmission line between Leaside TS and Bridgman TS increase EMF levels at Bennington Heights Public School and the surrounding area?

Response

The subject matter will be dealt more fully within the scope of the *Class Environmental Assessment* which is approved by the Ontario Ministry of Environment under the *Ontario Environmental Assessment Act*.

Hydro One issued a Draft ESR in March 8, 2010 which initiated a 30-day public review and comment period. EMF issues are addressed in Section 7.2.9. of that report.

The draft ESR is available on Hydro One's website, at the attached link.

http://www.hydroone.com/PROJECTS/MIDTOWN/Pages/MidtownProject%e2%80%94ReviewApprovals.aspx.

EMF modeling has been conducted along Hydro One facilities, including an area near Bennington Heights PS. The modeling information indicates that EMF levels along the proposed transmission line will be lower than current levels.

Toronto District School Board (TDSB) INTERROGATORY #2 List 1

Interrogatory

Reference:
- **Exhibit A/Tab 1/Schedule 1/Page 2/ Paragraph 3(b)**
- **Exhibit A/Tab 1/Schedule 1/Page 3/ Paragraph 5**

Preamble:
- **Exhibit A/Tab 1/Schedule 1/Page 2/ Paragraph 3(b):** refers to the construction of an underground tunnel between Bayview Junction and Birch Junction. This raises two concerns. The first concern relates to the effect of any vibrations produced during tunnelling on the infrastructure of the school (Bennington Heights Public School). The second concern relates to conventional safety concerns for staff/students/community members resulting from Hydro One's use of large equipment and construction materials close to, or on, TDSB property.
- **Exhibit A/Tab 1/Schedule 1/Page 3/ Paragraph 5:** refers to Hydro One's request to obtain temporary access rights to construct proposed facilities. The use of heavy equipment and construction materials through TDSB property raises safety concerns for staff, students, parents and community members. Thus, appropriate safety procedures must be established.

Question/Request:
a) Has Hydro One conducted any safety assessments/studies/plans within or around Bennington Heights Public School? What has been the outcome of those studies?
b) If no safety assessments have been conducted, can Hydro One provide an overview of how it intends to address any safety related issues within or around Bennington Heights Public School?
c) What safety measures have been put in place to address vibrations produced during tunnelling?
d) What safety measures have been put in place to protect students/staff/community members during the use of heavy equipment and construction materials on TDSB property?
e) Can Hydro One please provide copies of all information pertaining to any safety plans or any studies on safety related-issues within or around the Bennington Heights Public School to the TDSB and W&W Radiological and Environmental Consultant Services, Inc.? Copies of any safety documents/plans should be sent to the following individuals:
- Neda Ebrahimzadeh: neda.ebrahimzadeh@tdsb.on.ca
- David Agnew: david.agnew@rogers.com
- Murray Walsh: murraywalsh@rogers.com

Response

Hydro One has responded to Mr. Agnew, a representative of TDSB, at the Toronto District School Board on March 15, 2010. The letter and attachment is filed as Attachment 1 to this response.

a) Hydro One has not conducted any safety assessment/studies/plans within or around Bennington Heights Elementary School at this time. Hydro One has met with various representatives at TDSB and understands the concern. Hydro One will consult with the TDSB when developing its safety plan in the vicinity of Bennington Heights Elementary School.

   Construction of a temporary access road will impact the pedestrian stairway on Bayview Avenue, which we understand may be used by staff and students to access the school. In addition, Hydro One and its contractor may need to cross or come in close proximity to TDSB lands at Bennington Heights Elementary School to access the Bayview Junction and two transmission towers. As such, we will ensure all necessary safety measures are undertaken and do not anticipate any major problems in ensuring the safety of staff/students/community.

b) Some of the measures that Hydro One will take to address safety related issues around Bennington Heights Elementary School are:
   - Build a temporary road from Bayview Avenue to access Bayview Junction and the overhead tower line. This will allow Hydro One to avoid using residential streets for construction and equipment vehicles
   - Fence-in the construction site at Bayview Junction to ensure that children will not be able to access the area or the construction equipment
   - Enclose the construction site at Carstowe Road with a 12 ft high wall
   - Work with the City of Toronto to permit 2-way traffic on Carstowe Road to keep trucks out of residential areas
   - Restrict heavy truck traffic between 9 a.m. and 3 p.m. along Carstowe Road to avoid the school commute period

   The Environment Study Report (see link in Exhibit C, Tab 1, Schedule 7) also addresses safety concerns in Chapters Sections 7 and 8.

c) Vibration from the tunnel excavation will not be an issue because the tunnel will be so deep. There will be no vibration from shaft excavation as this will be in soft ground.

d) Please refer to Attachment 1 to view the letter written to Mr. Agnew.

e) At the conceptual design stage, Hydro One has not yet developed any safety plans except for the proposal to direct traffic away from residential streets (see letter to Mr. Agnew for more detail). This plan will be developed and available for review by the TDSB and stakeholder representatives following project approvals and selection of a successful contractor which is expected to be in the fall of 2010. Hydro One will forward the safety documents/plans for the vicinity around Bennington Heights Elementary School to the contact persons requested.

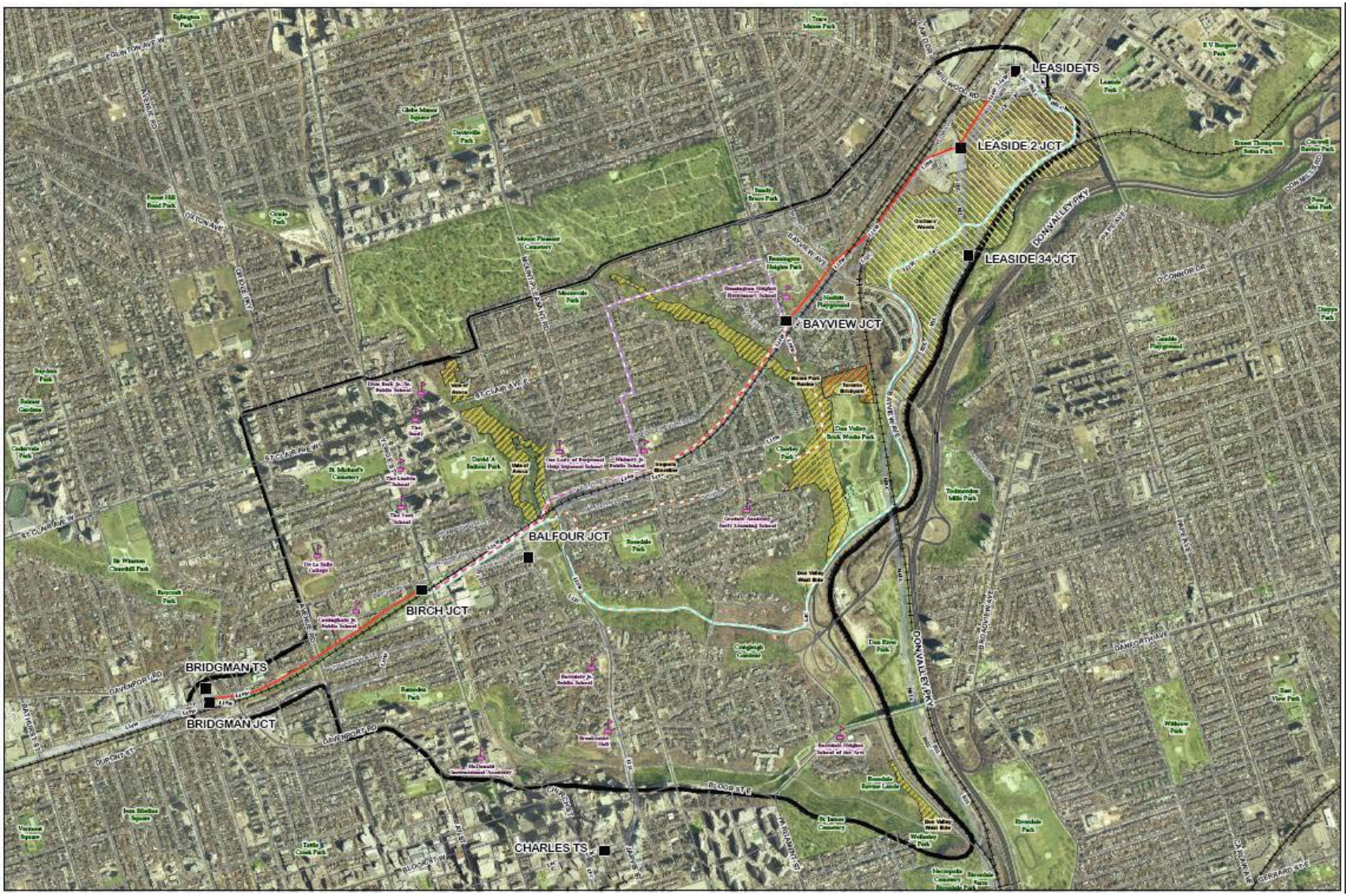
Midtown Project

Midtown Electricity Infrastructure Renewal Project

hydro one

toronto hydro electric system

Study Area and Route Options



Route Options

- Corridor along the CPR rail selected as the most appropriate
  - Existing right-of-way (ROW) already used by utilities including Hydro One
  - Least amount of disruption to residents, businesses and environment
- Two construction methods discussed for underground portion between Leaside Jct. and Birch Jct.:
  - Hard rock tunnel (60-75 metre depth)
  - Shallow trench (1-2 metre depth) generally follows along CPR

Trench Option

- Underground ducts along the CPR track, using combination of CPR, Hydro One owned land, private land and road allowance
- Disruptive to community and the environment
- Would require private and public easements
- Significant risk with in-service date