

# **APPENDIX J.2**

## **TECHNICAL AGENCY COMMITTEE (TAC)**



### **Technical Agencies Committee**

The following agencies were invited to participate in the Ninth Line Class EA study

#### **Federal and Provincial Agencies**

- Aboriginal Affairs and Northern Development Canada
- Canadian Environmental Assessment Agency
- CN Rail
- Conservation Halton
- Credit Valley Conservation
- Environment Canada
- Fisheries and Oceans Canada
- Goderich-Exeter Railway
- Infrastructure Ontario
- Metrolinx
- Ministry of Aboriginal Affairs
- Ministry of Agriculture, Food & Rural Affairs
- Ministry of Municipal Affairs & Housing
- Ministry of Natural Resources and Fisheries
- Ministry of the Environment and Climate Change
- Ministry of Tourism, Culture and Sport
- Ministry of Transportation
- Niagara Escarpment Commission
- OMAFRA
- Ontario Stone, Sand & Gravel Association
- Ontario Trucking Association

#### **Regional and Local Agencies**

- Credit Valley Conservation
- Halton Catholic District School Board
- Halton District School Board
- Halton Hills Chamber of Commerce
- Halton Region - Emergency Medical Services
- Halton Regional - Forestry
- Halton Region - Health
- Halton Region - Legislative & Planning
- Halton Region Police Service
- Halton Region - Water Services, Public Works
- Halton Student Transportation Service
- Town of Halton Hills - Fire Department
- Town of Halton Hills - Infrastructure Services
- Town of Halton Hills - Planning Development & Sustainability
- Town of Halton Hills - Recreation & Parks

#### **Utilities**

- Bell Canada
- COGECO Cable Canada Inc.



- Enbridge Gas Distribution Inc., Planning Asset Management
- Halton Hills Community Energy Corporation
- Halton Hills Hydro Inc.
- Hydro One Networks Inc.
- Ontario One Call
- SouthWestern Energy Inc.
- Trans Canada Pipelines
- Union Gas Ltd.



## Amanda Selig

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**Subject:** TAC #1 Meeting Invitation - Ninth Line Corridor Improvements, Town of Halton Hills  
**Location:** Gellert Community Centre, Kinsmen Hall B (10241 Eighth Line, Georgetown)

**Start:** Thu 11/13/2014 12:30 PM  
**End:** Thu 11/13/2014 2:30 PM

**Recurrence:** (none)

**Meeting Status:** Meeting organizer

**Organizer:** Amanda Selig

**Required Attendees:** Amanda Selig; rhiya.singh@ceaa-acee.gc.ca; dan.delaquis@ontario.ca; jdevito@hrca.on.ca; carolyn.hicks@metrolinx.com; jkilis@creditvalleyca.ca; douglas.mackenzie@railamerica.com; john.mactaggart@cn.ca; lisa.myslicki@infrastructureontario.ca; david.pritchard@ontario.ca; morgan.skowronski@metrolinx.com; steven.strong@ontario.ca; michael.sutherland@metrolinx.com; Bohdan.Wynnycky@ontario.ca; cau-uca@aadnc-aandc.gc.ca; morgan.bot@metrolinx.com; jackie.burkart@ontario.ca; rob.dobos@ec.gc.ca; stefan.linder@cn.ca; monisa.nandi@gotransit.com; tslaght@creditvalleyca.ca; jackie.vandevalk@ontario.ca; victor.doyle@ontario.ca; paula.kulpa@ontario.ca; joseph.lai@ontario.ca; heather.Leveque@ontario.ca; carol.neumann@ontario.ca; david.Pickles@ontario.ca; rosi.zirger@ontario.ca; TerryA@haltonhills.ca; nick.buczynsky@halton.ca; fabio.cabarcas@halton.ca; renzellad@hdsb.ca; ToddC@haltonhills.ca; Anna.DeMarchi-Meyers@halton.ca; lmanager@haltonhillschamber.on.ca; Nancy.Field@halton.ca; SteveG@haltonhills.ca; WarrenH@haltonhills.ca; lacroix@haltonbus.ca; brentm@haltonhills.ca; DanielR@haltonhills.ca; MatthewR@haltonhills.ca; PaulSa@haltonhills.ca; DamianS@haltonhills.ca; stirling.todd@halton.ca; LorisV@haltonhills.ca; roger.wilkie@haltonpolice.ca; john.duong@halton.ca; Dave.Huk@halton.ca; johnk@haltonhills.ca; dean.popov@halton.ca; david.simpson@halton.ca; richard.clark@halton.ca; johnl@haltonhills.ca; Chrism@haltonhills.ca; greg.sage@halton.ca; stephen.tanner@haltonpolice.ca; jim.arnott@enbridge.com; jblakely@uniongas.com; lcane@cogeco.ca; mccormick.bj@HydroOne.com; paul\_wheelan@transcanada.com; janice.young@bell.ca; pcoca@haltonhillshydro.com; tianyuan.li@hydroone.com; dayton.dumesnil@bell.ca; fwang@uniongas.com; Alvaro Almuina; Jakaitis, Alicia; Monaghan, Patrick - Transportation Services; melissa.green-battiston@halton.ca; mscott@ossga.com; deanna.pagnan@ontruck.org; Heather.Levesque@ontario.ca; Sheila.Allan@ec.gc.ca; marissa.crawford@cn.ca; jane.devlin@ontario.ca; Sara.Eddy@dfo-mpo.gc.ca; alex.tam@cn.ca; anjala.puvananathan@ceaa-acee.gc.ca; christine.barber@halton.ca; paul.davies@haltonpolice.ca; lynannecane@cogeco.ca; gretchen\_gordon@transcanada.com; JaniceT@haltonhills.com; JaniceT@haltonhills.ca; jenn.mclean@cogeco.com; joel.smith@halton.ca

**Optional Attendees:** Reinholt, Ron; LaRobinson@uniongas.com; lcampbell@lcaenvironmental.ca; Wallace, Marcia (MAH); Steve Burke; thibeaultf@hcdsb.org; Owen, Crystal (6010230) (crystal.owen@bell.ca); Boulton, Bradley (P002633); Tara Buonpensiero; Brent.Valere@dfo-mpo.gc.ca; ParamedicServices@halton.ca; jane.devlin@ontario.ca; Willard, Kendra; Wicklund, Bob; Dinka, Stephen; Aurora.McAllister@ontario.ca; project\_team@gt-west.com; Christopher Hale



October 16, 2014  
UEM Project #14-508  
Halton Region Project #PR 2876

Good afternoon,

**RE: Municipal Class Environmental Assessment – Ninth Line (Regional Road 13) Corridor Improvements from Highway 407 to 10 Side Road (Regional Road 10), Town of Halton Hills**

Halton Region has initiated an environmental assessment study to consider a wide range of options for transportation corridor improvements to satisfy future travel demands to 2031 on the Ninth Line corridor between Highway 407 to 10 Side Road (Regional Road 10).

On behalf of Halton Region, we invite you to attend the first Technical Agency Committee (TAC) Meeting for the Ninth Line (Regional Road 13) Corridor Improvements from Highway 407 to 10 Side Road (Regional Road 10). *Please reply to this meeting invitation to advise whether you plan to attend or not.*

**Date:** Thursday, November 13, 2014

**Location:** Gellert Community Centre, Kinsmen Hall B (10241 Eighth Line, Georgetown)

**Time:** 12:30 p.m. to 2:30 p.m. \*

The purpose of the first TAC Meeting is to review the study background, study approach, existing conditions, alternative solutions, and to review high level conceptual corridor alternatives for the improvements for the Ninth Line corridor.

If you have any questions, please feel free to contact Alvaro Almuina, Urban & Environmental Management Inc., at 905-212-9722 ext. 45 or [aalmuina@uemconsulting.com](mailto:aalmuina@uemconsulting.com).

Yours very truly,

**Urban & Environmental Management Inc.**

**Amanda Selig, BES, EPt**  
Project Coordinator

On behalf of:

**Alvaro L. Almuina, P. Eng., PMP, DCE**  
Project Manager

Cc: Ms. Alicia Jakaitis, Halton Region

**\*Please note:** Halton Region is also carrying out the Trafalgar Road Environmental Assessment Study – Steeles Avenue to Highway 7. Trafalgar Road is the north-south Regional Road to the west of Ninth Line. Recognizing that many TAC Meeting participants may wish to attend the meetings for both the Trafalgar Road EA Study and the Ninth Line EA Study, the Region will host the first TAC Meetings for both EA Studies on the same day. The Trafalgar Road EA Study TAC Meeting will take place in the morning between 9:30 a.m. and 12:00 noon. TAC participants will then break for lunch



(12:00 p.m. to 12:30 p.m.), which will be provided. The Ninth Line EA Study TAC Meeting will take place following lunch between 12:30 p.m. and 2:30 p.m. For further information regarding the Trafalgar Road EA Study, please contact Jeffrey Reid (Halton Region) at 905-825-6000 ext. 7920 or [Jeffrey.Reid@halton.ca](mailto:Jeffrey.Reid@halton.ca), or Ms. Katherine Jim, MMM Group, at [jimk@mmm.ca](mailto:jimk@mmm.ca) or 905-825-8500 ext. 1371.





## Meeting Agenda

*Ninth Line (RR13) Transportation Corridor Improvements  
Highway 407 to 10 Side Road*

**Purpose:** Technical Agency Committee Meeting No. 1  
**Date:** Thursday, November 13, 2014  
**Time:** 12:30 p.m. to 2:30 p.m.  
**Place:** Gellert Community Centre, Kinsmen Hall B  
10241 Eighth Line  
Georgetown, ON L7G 4S5  
**Halton Region Project No.:** PR 2876  
**UEM Project No.:** 14-508

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1. Introductions
2. Study Purpose
3. Study Area
4. Needs and Justification
5. Recommended Alternative Solution
6. Evaluation Criteria
7. Schedule
8. Q & A
9. Adjourn



Name	Mailing Address	Email Address	Telephone Number
Maureen Vanraevens	Maureen Vanraevens @halton.ca	→ 1151 Bronte Road Oakville, Ontario	905 825 6000 x7327
Holly Anderson	2596 Britannia Rd W Burlington, ON L7P 0G3	h.anderson@hrc.ca hrc.ca.on.ca	905-336-1158 x 2292
Sarah Matchett	"	smatchett@hrc.ca.on.ca	" x 2272
Paul Bondi	"	pbondi@hrc.ca.on.ca	x 2257
Jenn McLean	695 Lawrence Rd Hamilton, ON	jenn.mclean@copeco.com	905-515-3544
Christopher Hale	43 Alice Street Acton, ON L7J 2A9	chrish@haltonhillshydro.ca	519-853-3700 Ext. 222
Yusan Ong	483 Bay St. South Tower, 6th Floor Toronto M5G 2P5	yusan.ong@hydroone.com	416-345-5031



## Technical Advisory Committee Meeting #1 Sign-In Sheet

Name	Mailing Address	Email Address	Telephone Number
Steve Burke		stevebu@haltonhills.ca	(905)873-2601 x.2254
Kendra Willard	1151 Bronte Rd Oakville	Kendra.willard@halton.ca	905-825-6000 x 7344
Richard Clark	1075 North Service Rd W Oakville	richard.clark@halton.ca	905-825-6000 x 7214
Steve Dinka	"	stephen.dinka@halton.ca	x 7906.
Ron Reinholt	"	ron.reinholt@halton.ca	" x 7279
MATT OGG	Halton Hills	matthewr@haltonhills.ca	x 2215
DAN RIDGWAY	HALTON HILLS	danielr@haltonhills.ca	x 2369



Name	Mailing Address	Email Address	Telephone Number
Sgt. Paul Davies Halton Regional Police	paul.davies@haltonpolice.ca	1151 BRONTE ROAD OAKVILLE, ON L6M-3L1	905.825.4747 Ext. 5245



## NINTH LINE (REGIONAL ROAD 13) TRANSPORTATION CORRIDOR IMPROVEMENTS HIGHWAY 407 TO 10 SIDE ROAD (REGIONAL ROAD 10)



Technical Agency Committee Meeting No. 1  
November 13, 2014

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## TAC Meeting Agenda

- Introductions
- Study Purpose
- Study Area
- Needs and Justification
- Recommended Alternative Solution
- Evaluation Criteria
- Schedule
- Q & A
- Adjourn



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## Introductions – Project Team



**Ms. Alicia Jakaitis**  
Transportation Coordinator  
Halton Region  
1151 Bronte Road  
Oakville, Ontario L6M 3L1  
Tel: 905-825-6000 ext. 7556  
Fax: 905-847-2192  
E: [alicia.jakaitis@halton.ca](mailto:alicia.jakaitis@halton.ca)

- Patrick Monaghan, CET
- Melissa Green-Battiston, P. Eng.



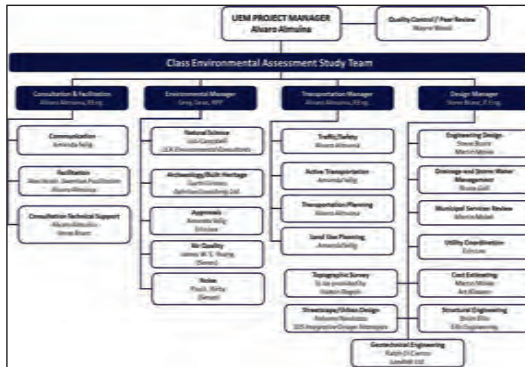
**Alvaro L. Almuina, P. Eng.**  
Project Manager  
Urban & Environmental Management Inc.  
5100 Orbitor Drive, Suite 300  
Mississauga, Ontario L4W 4Z4  
Tel: 905-212-9722 ext. 45  
Fax: 905-212-9397  
E: [aalmuina@uemconsulting.com](mailto:aalmuina@uemconsulting.com)

- Amanda Selig, BES, EPT



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## Introductions - Study Team



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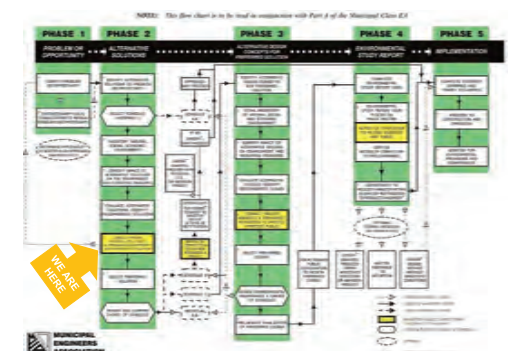
## Study Purpose

- Halton Region has initiated a Class Environmental Assessment (Class EA) to evaluate and recommend transportation improvements on Ninth Line (Regional Road 13) from Highway 407 to 10 Side Road (Regional Road 10)
- The study is being conducted in compliance with Schedule 'C' of the Municipal Class Environmental Assessment planning and design process (October 2000, as amended in 2007 & 2011)



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## Municipal Class EA Process



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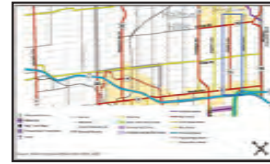
## Study Area



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## Study Area

- Ninth Line (RR 13):
  - a two-lane roadway
  - rural cross-section
  - posted speed limit is 80 km/hr
  - changes to a four-lane roadway at intersection with 10 Side Road.
  - relatively narrow shoulders (gravel)
  - ditches on either side
  - services agricultural operations
  - no sidewalks on either side of the roadway
- Predominantly farm lands on both sides of Ninth Line
- Some residential pockets within the study area

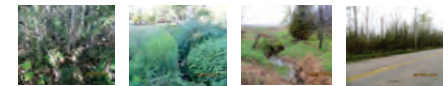
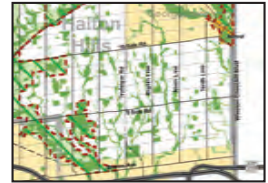


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## Study Area

### Natural Environment:

- No major concerns/issues with regard to the existing natural environment in the study area
- Outside the Greenbelt and the Niagara Escarpment Plan Area
- No designated Environmentally Sensitive Areas (ESA) or Areas of Natural and Scientific Interest (ANSI)



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## Study Area

### Physical Environment:

- Gently rolling hills
- Landscape is generally rural residential
- Large open fields interspersed with small forests and wooded fencerows
- Within East Branch catchment of Sixteen Mile Creek



### Structural:

- The study area includes one culvert (constructed in 1960) spanning approximately 3 metres



### Subsurface Conditions:

- No concerns at this time



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## Study Area

### Socio-Economic Environment:

- The majority of the study area is zoned agricultural, with residential land use to the north and prestige industrial land to the south along Steeles Ave
- Growth near the Ninth Line Transportation Corridor include:
  - Vision Georgetown Study Area
  - Northernmost section of the Ninth Line Study Area (Residential)
  - 401/407 Employment Area for Prestige Industrial Uses



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## Study Area

### Archaeological:

- Stage 1 Archaeological Assessment was undertaken

### Built Heritage:

- Eight built heritage resources including:
  - Seven historic homestead sites
  - One 19th century church and associated graveyard



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## Needs & Justification

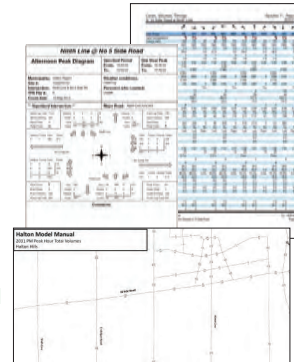
- At present, Ninth Line carries approximately 5,500 vehicles per day
- Two-way traffic volumes on Ninth Line are approximately 1,200 vehicles per hour during the weekday (PM) peak hour
- Forecasts indicate an increase to approximately 2,600 vehicles per hour by 2031 for the same period (which exceeds the capacity of a 2 lane road)



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## Needs & Justification

- In addition, traffic operations at signalized intersections within the Study Area Corridor would be considered problematic during morning (AM) and evening (PM) peak periods
- As presently configured, Ninth Line (Regional Road 13) will not be able to accommodate the travel demand growth anticipated by 2031



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## Alternative Solutions

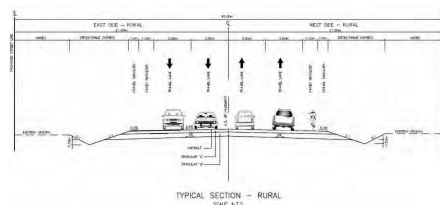
<b>Do Nothing</b>	<ul style="list-style-type: none"> <li>• Does not address future needs</li> <li>• Carry forward for comparison only</li> </ul>
<b>Limit Development</b>	<ul style="list-style-type: none"> <li>• Future projections based on approved future urban area</li> <li>• Do not carry forward</li> </ul>
<b>Travel Demand Management Measures</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Improved Transit Service (GO Transit) / Other Modes of Transportation</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Intersection and / or Operational Improvements</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Improvements to Other Roadways</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Improvements to Ninth Line (widening to 4 lanes)</b>	<ul style="list-style-type: none"> <li>• Needs identified in Halton Region Transportation Master Plan to support future growth</li> <li>• Carry forward within overall strategy</li> </ul>



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## Alternative Design Concepts

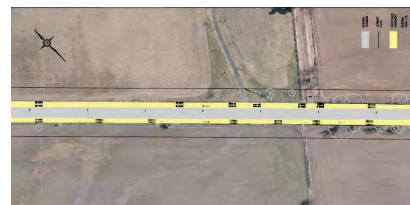
- Widen about the Centreline
- Widen on East Side
- Widen on West Side
- Combination of above (depending on impacts)



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## Alternative Design Concepts

- Widen about the Centreline
- Widen on East Side
- Widen on West Side
- Combination of above (depending on impacts)



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## Alternative Design Concepts

- Widen about the Centreline
- Widen on East Side
- Widen on West Side
- Combination of above (depending on impacts)



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## Alternative Design Concepts

- Widen about the Centreline
- Widen on East Side
- **Widen on West Side**
- Combination of above (depending on impacts)



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## Alternative Design Concepts

- Widen about the Centreline
- Widen on East Side
- Widen on West Side
- **Combination of above (depending on impacts)**



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## Evaluation Criteria

- The evaluation of alternative designs considers the broad definition of the environment as defined in the Environmental Assessment Act (EAA)
- The criteria for evaluating alternative designs are grouped into five major categories:
  - Natural Environment
  - Socio-Economic Environment
  - Cultural Environment
  - Transportation
  - Construction Cost



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## Evaluation Criteria

### Natural Environment

- Natural Heritage Features and Unique Landforms
- Vegetation Communities and/or Species of Concern
- Wildlife, Wildlife Habitat, Habitat Linkages and Corridors
- Watercourses, Fisheries and Aquatic Resources
- Natural Hazards
- Stormwater Management and Erosion Control
- Air Quality



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## Evaluation Criteria

### Socio-Economic Environment

- Adjacent and Surrounding Land Uses
- Existing Residential and Business Areas
- Noise

### Cultural Environment

- Archaeological Resources and Areas of Archaeological Potential
- Built Heritage Resources and Cultural Landscape
- Traffic
- Structures
- Compatibility with Official Planning Documents



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## Evaluation Criteria

### Transportation

- Impact on Current and Projected Traffic Patterns
- Active Transportation
- Intersection Requirements
- Safety

### Construction Cost

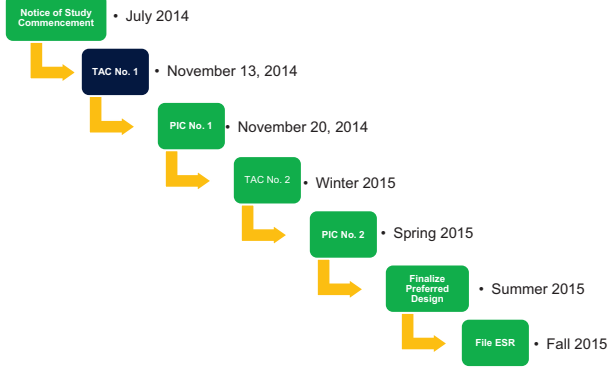
- Appropriation of Land
- Capital Cost



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## Schedule



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## Next Steps

- TAC Feedback – December 3, 2014
- PIC No. 1 – November 20, 2014
- Develop alternative design concepts
- Undertake a comparative analysis
- Individual meetings with residents/stakeholders
- TAC Meeting No. 2 (Winter 2015)



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## Questions?



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Halton Region Environmental Assessments:  
[www.halton.ca/eaprojects](http://www.halton.ca/eaprojects)



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## Thank You



**Ms. Alicia Jakaitis**  
**Transportation Coordinator**  
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**Summary of Comments Received from People Unable to Attend the TAC No. 1 Meeting**

Agency/Utility Company Represented	Comment Received	Response
Halton Region – Legislative and Planning Services Department <i>(Agricultural Liaison Officer)</i>	Wide shoulders are necessary to accommodate movement of farm machinery. Wires/overhead structures need to be higher than 19 feet. Curbs must be mountable for farm equipment that travels along Ninth Line. Consider any impacts that changes to drainage pose to agricultural production.	Comments were noted for consideration by the Project Team.
Union Gas Limited <i>(Construction Project Manager)</i>	Requested that consideration be given during the EA and road design stages of the project to accommodate future distribution gas mains on both sides of Ninth Line within the right-of-way. Union Gas may need to install a distribution station site in the future near the Ninth Line/Steeles Avenue intersection or near Highway 407. Requested that road designs be forwarded to Union Gas when they are completed for markup and comments.	Comments were noted for consideration by the Project Team.
Ministry of Natural Resources and Forestry <i>(District Planner)</i>	MNRF does not have concerns with regard to this EA at this time. If Species at Risk (SAR) are identified, contact MNRF for guidance.	Comments were noted.



**List of Agencies/Utility Companies Represented at the TAC No. 1 Meeting and Discussion Points**

<b>Agencies Represented</b>	<b>Number of Representatives</b>	<b>Questions Raised During TAC Discussion</b>	<b>Response</b>
Town of Halton Hills	3	Will improvements to Ninth Line match up with the newly constructed intersections at Ninth Line/Steeles Avenue and the 407 ramp?	Yes. UEM has the design specifications for the sections of the study area that are currently under construction. The new configurations of these sections of the study area will be considered during the detailed design phase of the project.
Halton Region	5	<p>Have background studies on the natural environment been completed?</p> <p>Is the woodlot in and adjacent to the study area designated as a significant natural heritage feature?</p> <p>Has the option of realigning Ninth Line been considered?</p>	<p>Yes. Both the terrestrial and aquatic natural environments were examined to understand the existing conditions of the study area and identify potential impacts that the preliminary proposed improvements to Ninth Line may pose to the natural environment.</p> <p>The woodlot is not identified as provincially significant; however it is designated as significant by the Region. The area in question is classified as a wetland and the hydrological processes currently exhibited in the wetland need to be maintained.</p> <p>There are no Species at Risk (SAR) within the study area and the project team has had pre-consultation meetings with Conservation Halton regarding the study area and proposed improvements.</p> <p>The project team will conduct a traffic analysis to determine if it would be justified to realign the sections of Ninth Line located north and south of Steeles Avenue.</p>
Conservation Halton	3	Is the northern section of the study area located in the Credit Valley Conservation Authority Silver Creek Subwatershed?	The study area does not include lands under the authority of Credit Valley Conservation. Most drainage within the study area is characterized as ditch drainage.
Cogeco	1	None.	N/A
Halton Hills Hydro	1	Have utility providers been consulted?	UEM has been in consultation with all utility providers in the area.



Agencies Represented	Number of Representatives	Questions Raised During TAC Discussion	Response
Hydro One Networks Inc.	1	None.	N/A
Halton Regional Police	1	None.	N/A
<b>Total Attendees</b>	<b>15</b>		



## Amanda Selig

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**From:** Amanda Selig  
**Sent:** Monday, December 22, 2014 1:15 PM  
**To:** 'stefan.linder@cn.ca'; 'fabio.cabarcas@halton.ca'; 'ToddC@haltonhills.ca'; 'SteveG@haltonhills.ca'; 'WarrenH@haltonhills.ca'; 'DanielR@haltonhills.ca'; 'MatthewR@haltonhills.ca'; 'johnk@haltonhills.ca'; 'richard.clark@halton.ca'; 'johnl@haltonhills.ca'; 'pcoca@haltonhillshydro.com'; 'mscott@ossiga.com'; 'Ron.Reinholt@halton.ca'; 'lcampbell@lcaenvironmental.ca'; 'stevebu@haltonhills.ca'; 'thibeaultf@hcdsb.org'; 'TaraB@haltonhills.ca'; 'jenn.mclean@cogeco.com'; 'kendra.willard@halton.ca'; 'Stephen.Dinka@halton.ca'; 'Aurora.McAllister@ontario.ca'; 'chrish@haltonhillshydro.com'; 'maureen.vanravens@halton.ca'; 'handerson@hrca.on.ca'; 'smatchett@hrca.on.ca'; 'pbond@hrca.on.ca'; 'YuSan.Ong@HydroOne.com'; 'bradley.boulton@bell.ca'; 'jkilis@creditvalleyca.ca'; 'lisa.myslicki@infrastructureontario.ca'; 'david.pritchard@ontario.ca'; 'monisa.nandi@gotransit.com'; 'jackie.vandevalk@ontario.ca'; 'joseph.lai@ontario.ca'; 'TerryA@haltonhills.ca'; 'nick.buczynsky@halton.ca'; 'Anna.DeMarchi-Meyers@halton.ca'; 'Nancy.Field@halton.ca'; 'lacroixk@haltonbus.ca'; 'DamianS@haltonhills.ca'; 'stirling.todd@halton.ca'; 'roger.wilkie@haltonpolice.ca'; 'Dave.Huk@halton.ca'; 'Chrism@haltonhills.ca'; 'greg.sage@halton.ca'; 'jblakely@uniongas.com'; 'tianyuan.li@hydroone.com'; 'Marcia.Wallace@ontario.ca'; 'Sheila.Allan@ec.gc.ca'; 'gretchen\_gordon@transcanada.com'; 'Brent.Valere@dfo-mpo.gc.ca'; 'jane.devlin@ontario.ca'; 'Bob.Wicklund@halton.ca'; 'mccormick.bj@HydroOne.com'; 'project\_team@gta-west.com'; 'jdevito@hrca.on.ca'; 'douglas.mackenzie@railamerica.com'; 'steven.strong@ontario.ca'; 'rob.dobos@ec.gc.ca'; 'tslaght@creditvalleyca.ca'; 'victor.doyle@ontario.ca'; 'renzellad@hdsb.ca'; 'brentm@haltonhills.ca'; 'PaulSa@haltonhills.ca'; 'LorisV@haltonhills.ca'; 'john.duong@halton.ca'; 'stephen.tanner@haltonpolice.ca'; 'paul\_whelan@transcanada.com'; 'dayton.dumesnil@bell.ca'; 'marissa.crawford@cn.ca'; 'paul.davies@haltonpolice.ca'; 'JaniceT@haltonhills.ca'; 'Chris.Burke@gotransit.com'; 'Natalie.Rouskov@ontario.ca'; 'george.watt@hydroone.com'; 'david.Pickles@ontario.ca'; 'crystal.owen@bell.ca'; 'Sara.Eddy@dfo-mpo.gc.ca'; 'christine.barber@halton.ca'; 'rosi.zirger@ontario.ca'; 'david.simpson@halton.ca'; 'jim.arnott@enbridge.com'; 'LaRobinson@uniongas.com'  
**Cc:** Alvaro Almuina; Jakaitis, Alicia <Alicia.Jakaitis@halton.ca> (Alicia.Jakaitis@halton.ca); Monaghan, Patrick - Transportation Services <Patrick.Monaghan@halton.ca> (Patrick.Monaghan@halton.ca); melissa.green-battiston@halton.ca  
**Subject:** TAC #1 Meeting Minutes/Handout - Ninth Line Corridor Improvements, Town of Halton Hills  
**Attachments:** 1 - TAC Meeting Agenda.pdf; 2 - 14-508 TAC Meeting Minutes - FINAL.pdf; 3 - Notice of Study Commencement - Ninth Line Transportation Corridor - Halton Hills.pdf; 4 - UEM Presentation TAC\_Meeting 1, 13Nov2014.pdf; 5 - Ninth Line Evaluation Criteria and Indicators.pdf; 6 - Ninth Line Drainage Plan Figure.pdf; 7 - Ninth Line EA Schedule.pdf  
**Categories:** Important (No action required)

December 22, 2014  
UEM Project #14-508  
Halton Region Project #PR 2876



Good afternoon,

**RE: Municipal Class Environmental Assessment – Ninth Line (Regional Road 13) Corridor Improvements from Highway 407 to 10 Side Road (Regional Road 10), Town of Halton Hills**

In October you received an invitation to participate in a Technical Agency Committee (TAC) meeting for the above mentioned project. The TAC #1 meeting took place on November 13, 2014. The purpose of the first TAC Meeting was to review the study background, study approach, existing conditions, alternative solutions, and to review high level conceptual corridor alternatives for the improvements for the Ninth Line corridor.

Please find attached to this email the TAC #1 meeting minutes and a copy of all the materials distributed at the meeting. If you no longer wish to receive emails regarding this study, you may send me an email and I will update the project contact list.

If you have any questions regarding this study, please feel free to contact Alvaro Almuina, Urban & Environmental Management Inc., at 905-212-9722 ext. 45 or [aalmuina@uemconsulting.com](mailto:aalmuina@uemconsulting.com).

Yours very truly,

**Urban & Environmental Management Inc.**

**Amanda Selig, BES, EPT**  
Project Coordinator

On behalf of:

**Alvaro L. Almuina, P. Eng., PMP, DCE**  
Project Manager

---

***Amanda Selig, BES, EPT***  
***Environmental Planner***

**Urban & Environmental Management Inc.**

**4701 St. Clair Avenue, Suite 301**  
**Niagara Falls, Ontario**  
**Canada L2E 3S9**

**Telephone: +1.905.371.9764 x230**

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**URL: <http://www.uemconsulting.com>**

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 **Please think about the environment before printing this email.**



# Minutes of TAC No. 1 Meeting

## **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

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**HELD ON:** Thursday, November 13, 2014 at 12:30 p.m.

**LOCATION:** Gellert Community Centre, Kinsmen Hall B  
10241 Eighth Line, Georgetown

**PRESENT:**

Daniel Ridgway	Halton Hills
Matthew Roj	Halton Hills
Steve Burke	Halton Hills
Paul Bond	Conservation Halton
Holly Anderson	Conservation Halton
Sarah Matchett	Conservation Halton
Jenn McLean	Cogeco
Christopher Hale	Halton Hills Hydro
Yu San Ong	Hydro One Networks Inc.
Paul Davies	Halton Regional Police
Richard Clark	Halton Region
Kendra Willard	Halton Region
Steve Dinka	Halton Region
Ron Reinholt	Halton Region

***Project Team:***

Alicia Jakaitis	Halton Region
Melissa Green-Battiston	Halton Region
Patrick Monaghan	Halton Region
Maureen Van Ravens	Halton Region
Alvaro Almuina	UEM
Amanda Selig	UEM
Lisa Campbell	LCA Environmental Consultants

**PURPOSE:** Meeting with Technical Agency Committee (TAC) representatives to introduce the Ninth Line Transportation Corridor Class EA study and discuss the work completed to date on the project.

**MINUTES:**

**ACTION BY:**

**ITEM 1 – INTRODUCTIONS**

- 1.1 Alvaro Almuina, Consultant Project Manager from UEM, introduced the project team, including Alicia Jakaitis, Project Manager for Halton Region.

Information

TAC attendees were asked to sign the attendance sheet.

A handout package was provided to all attendees to supplement information referred to in the presentation. The material included the notice of study commencement, agenda for the TAC meeting, comment sheet, copy of the presentation slides, list of proposed evaluation criteria and indicators, project schedule, and a study area hydrology map.



# **Minutes of TAC No. 1 Meeting**

## **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

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### **MINUTES:**

### **ACTION BY:**

#### **ITEM 2 – STUDY PURPOSE**

- |     |   |             |
|-----|---|-------------|
| 2.1 | Halton Region initiated the Class Environmental Assessment (EA) to evaluate and recommend transportation improvements. <b>The study is being conducted in compliance with Schedule 'C'</b> of the Municipal Class Environmental Assessment planning and design process (MEA October 2000, as amended in 2007 and 2011). | Information |
|-----|---|-------------|

#### **ITEM 3 – STUDY AREA**

- |     |  |             |
|-----|--|-------------|
| 3.1 | The study limits of the Class EA study is along Ninth Line between Highway 407 and 10 Side Road in the Town of Halton Hills.   | Information |
| 3.2 | The existing conditions of Ninth Line are as follows: <ul style="list-style-type: none"><li>• Two-lane corridor with a rural cross section</li><li>• Posted speed limit is 80 km/h</li><li>• Transitions to four-lanes at 10 Side Road intersection</li><li>• Relatively narrow, gravel shoulders</li><li>• Ditches on both sides of roadway</li><li>• Services agricultural operations</li><li>• No sidewalks</li></ul> | Information |
| 3.3 | There are no major concerns with respect to the existing natural environment within the study area. The study area is outside the Greenbelt and the Niagara Escarpment Plan Area. There are no designated Environmentally Sensitive Areas or Areas of Natural or Scientific Interest (ANSI).   | Information |
| 3.4 | The existing conditions of the physical environment within the study area consist of gently rolling hills and a rural residential landscape.   | Information |
| 3.5 | There is one culvert approximately 3 metres wide underneath Ninth Line. It is the only major structural feature of the corridor that warrants consideration during the course of the Class EA study.   | Information |
| 3.6 | A geotechnical investigation will take place later in the study, once a preferred alignment is defined, to determine the subsurface conditions of the study area.  | Information |



# **Minutes of TAC No. 1 Meeting**

## **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

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### **MINUTES:**

### **ACTION BY:**

- |     |  |             |
|-----|--|-------------|
| 3.7 | The majority of the study area is zoned agricultural, with residential land use to the north and employment lands for prestige industrial uses to the south. | Information |
| 3.8 | A Stage 1 Archaeological Assessment has been undertaken with no major concerns identified.   | Information |
| 3.9 | Eight built heritage resources have been identified within the study area and will be considered throughout the Class EA study.                              | Information |

### **ITEM 4 – NEEDS AND JUSTIFICATION**

- |     |  |             |
|-----|--|-------------|
| 4.1 | At present Ninth Line carries approximately 5,500 vehicles per day and 1,200 vehicles per hour during the peak weekday afternoon hour.                                       | Information |
| 4.2 | Forecasts indicate that Ninth Line will carry 2,600 vehicles per hour during the peak weekday afternoon hour by the year 2031 which exceeds the capacity of a two-lane road. | Information |

### **ITEM 5 – RECOMMENDED ALTERNATIVE SOLUTION**

- |     |  |             |
|-----|--|-------------|
| 5.1 | The alternative solutions considered to address the issues discussed under Item 4 of these minutes were: <ul style="list-style-type: none"><li>• Do Nothing</li><li>• Limit Development</li><li>• Implement Travel Demand Management Measures</li><li>• Improve transit service and other modes of transportation</li><li>• Intersection/operational improvements</li><li>• Improve other roadways</li><li>• Improve Ninth Line (i.e. widen to four-lanes)</li></ul> | Information |
|-----|--|-------------|

All of these solutions, except for the Do Nothing and Limit Development options, were carried forward for consideration within the overall transportation strategy. The Do Nothing alternative solution was carried forward for comparison purposes only. The preferred alternative solution that was identified by the project team was the improve Ninth Line option, which involves widening the road to four-lanes.



# **Minutes of TAC No. 1 Meeting**

## **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

---

### **MINUTES:**

- 5.2 Four alternative design concepts for the preferred alternative solution include widening about the centerline, widening to the west, widening to the east, and a combination of widening options to accommodate constraints along Ninth Line.

### **ACTION BY:**

Information

### **ITEM 6 – EVALUATION CRITERIA**

- 6.1 The criteria for evaluating the alternative designs for the preferred alternative solution is grouped into 5 major categories:
- i. Natural Environment
  - ii. Socio-Economic Environment
  - iii. Cultural Environment
  - iv. Transportation
  - v. Construction Cost

Information

- 6.2 A table of the categories and performance indicators was provided to the TAC for their review and comment.

Information

### **ITEM 7 – SCHEDULE**

- 7.1 The Notice of Study Commencement was first issued on the Halton Region website on June 19, 2014.
- 7.2 The first Public Information Centre (PIC) for this Class EA will be held on November 20, 2013 at the Georgetown District High School Cafeteria from 6:30 p.m. to 8:30 p.m.  
The second PIC will take place in the Spring of 2015.
- 7.3 The second TAC Meeting will be held in the Winter of 2015.
- 7.4 The preferred alternative design will be finalized in the Summer of 2015.
- 7.5 The Environmental Study Report (ESR) for this Class EA will be placed on the public record for review and filing in the Fall of 2015.

Information

Information

Information

Information

Information

### **ITEM 8 – GENERAL DISCUSSION**

- 8.1 **Question:** Is the northern section of the study area located in the Credit Valley Conservation Authority [Silver Creek] Subwatershed?

Information



## Minutes of TAC No. 1 Meeting

### **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

---

#### **MINUTES:**

#### **ACTION BY:**

- Project Team Response:* The study area does not include lands under the authority of Credit Valley Conservation. Most drainage within the study area is characterized as ditch drainage.
- 8.2 *Question:* Will improvements to Ninth Line match up with the newly constructed intersections at Ninth Line/Steeles Avenue and the 407 ramp? Information
- Project Team Response:* Yes. UEM has the design specifications for the sections of the study area that are currently under construction. The new configurations of these sections of the study area will be considered during the detailed design phase of the project.
- 8.3 *Question:* Have background studies on the natural environment been completed? Information
- Project Team Response:* Yes. Both the terrestrial and aquatic natural environments were examined to understand the existing conditions of the study area and identify potential impacts that the preliminary proposed improvements to Ninth Line may pose to the natural environment.
- 8.4 *Question:* Is the woodlot in and adjacent to the study area designated as a significant natural heritage feature? Information
- Project Team Response:* The woodlot is not identified as provincially significant; however it is designated as significant by the Region. The area in question is classified as a wetland and the hydrological processes currently exhibited in the wetland need to be maintained.
- There are no Species at Risk (SAR) within the study area and the project team has had pre-consultation meetings with Conservation Halton regarding the study area and proposed improvements.
- 8.5 *Question:* Have utility providers been consulted? Information
- Project Team Response:* UEM has been in consultation with all utility providers in the area.
- 8.6 *Question:* Has the option of realigning Ninth Line been considered? Information
- Project Team Response:* The project team will conduct a traffic analysis to determine if it would be justified to realign the sections of Ninth Line located north and south of Steeles Avenue.



## **Minutes of TAC No. 1 Meeting**

### **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

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#### **MINUTES:**

cc: All present; all TAC invitees

*Note: These minutes are believed to be an accurate summary of the discussions of the meeting. Please advise as soon as possible if there are any errors or omissions by contacting Amanda Selig at [aselig@uemconsulting.com](mailto:aselig@uemconsulting.com).*

#### **ACTION BY:**



## Amanda Selig

---

**Subject:** TAC #2 Meeting Invitation - Ninth Line Corridor Improvements, Town of Halton Hills  
**Location:** Gellert Community Centre – Kinsmen Room B (10241 Eighth Line, Georgetown, ON, L7G 4S5)

**Start:** Tue 5/12/2015 10:00 AM  
**End:** Tue 5/12/2015 12:00 PM  
**Show Time As:** Tentative

**Recurrence:** (none)

**Meeting Status:** Not yet responded

**Organizer:** Amanda Selig  
**Required Attendees:** stefan.linder@cn.ca; fabio.cabarcas@halton.ca; ToddC@haltonhills.ca; SteveG@haltonhills.ca; WarrenH@haltonhills.ca; DanielR@haltonhills.ca; MatthewR@haltonhills.ca; johnk@haltonhills.ca; richard.clark@halton.ca; johnl@haltonhills.ca; mscott@ossga.com; Ron.Reinholt@halton.ca; lcampbell@lcaenvironmental.ca; stevebu@haltonhills.ca; thibeaultf@hcdsb.org; TaraB@haltonhills.ca; jenn.mclean@cogeco.com; kendra.willard@halton.ca; Stephen.Dinka@halton.ca; Aurora.McAllister@ontario.ca; chrish@haltonhillshydro.com; maureenv@haltonhills.ca; handerson@hrca.on.ca; smatchett@hrca.on.ca; pbond@hrca.on.ca; YuSan.Ong@HydroOne.com; bradley.boulton@bell.ca; lisa.myslicki@infrastructureontario.ca; david.pritchard@ontario.ca; monisa.nandi@gotransit.com; jackie.vandevalk@ontario.ca; joseph.lai@ontario.ca; TerryA@haltonhills.ca; nick.buczynsky@halton.ca; Anna.DeMarchi-Meyers@halton.ca; Nancy.Field@halton.ca; lacroixk@haltonbus.ca; DamianS@haltonhills.ca; stirling.todd@halton.ca; roger.wilkie@haltonpolice.ca; Dave.Huk@halton.ca; Chrism@haltonhills.ca; greg.sage@halton.ca; tianyuan.li@hydroone.com; Marcia.Wallace@ontario.ca; Sheila.Allan@ec.gc.ca; gretchen\_gordon@transcanada.com; Bob.Wicklund@halton.ca; mccormick.bj@HydroOne.com; project\_team@gta-west.com; fwang@uniongas.com; jdevito@hrca.on.ca; douglas.mackenzie@railamerica.com; steven.strong@ontario.ca; rob.dobos@ec.gc.ca; tslaght@creditvalleyca.ca; victor.doyle@ontario.ca; renzellad@hdsb.ca; brentm@haltonhills.ca; PaulSa@haltonhills.ca; LorisV@haltonhills.ca; john.duong@halton.ca; stephen.tanner@haltonpolice.ca; paul\_whehan@transcanada.com; dayton.dumesnil@bell.ca; paul.davies@haltonpolice.ca; JaniceT@haltonhills.ca; Chris.Burke@gotransit.com; Natalie.Rouskov@ontario.ca; george.watt@hydroone.com; Nick.zervos@halton.ca; david.Pickles@ontario.ca; crystal.owen@bell.ca; Sara.Eddy@dfo-mpo.gc.ca; christine.barber@halton.ca; rosi.zirger@ontario.ca; david.simpson@halton.ca; jim.arnott@enbridge.com; LaRobinson@uniongas.com; Alvaro Almuina; Jakaitis, Alicia <Alicia.Jakaitis@halton.ca> (Alicia.Jakaitis@halton.ca); Monaghan, Patrick - Transportation Services <Patrick.Monaghan@halton.ca> (Patrick.Monaghan@halton.ca); Reid, Jeffrey

April 27, 2015  
UEM Project #14-508  
Halton Region Project #PR 2876

Dear Sir/Madam:



**RE: Municipal Class Environmental Assessment – Ninth Line (Regional Road 13) Corridor Improvements from Highway 407 to 10 Side Road (Regional Road 10), Town of Halton Hills**

In 2014, Halton Region initiated an environmental assessment study to consider a wide range of options for transportation corridor improvements to satisfy future travel demands to 2031 on the Ninth Line corridor between Highway 407 to 10 Side Road (Regional Road 10).

On behalf of Halton Region, we invite you to attend the second Technical Agency Committee (TAC) Meeting for the Ninth Line (Regional Road 13) Corridor Improvements from Highway 407 to 10 Side Road (Regional Road 10). *Please reply to this meeting invitation to advise whether you plan to attend or not.*

**Date:** Tuesday, May 12, 2015

**Location:** Gellert Community Centre – Kinsmen Room B

**Time:** 10:00 AM to 12:00 PM

The purpose of this TAC Meeting is to review the preliminary preferred design for the Ninth Line corridor.

If you have any questions, please feel free to contact Alvaro Almuina, Urban & Environmental Management Inc., at 905-212-9722 ext. 45 or [aalmuina@uemconsulting.com](mailto:aalmuina@uemconsulting.com).

Yours very truly,

**Urban & Environmental Management Inc.**

**Amanda Selig, BES, EPt**

**Urban & Environmental Management Inc. (UEM)**

4701 St. Clair Avenue, Suite 301

Niagara Falls, Ontario, L2E 3S9

T (905) 371 - 9764 x 230 | F (905) 371 - 9763

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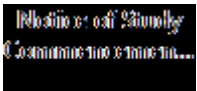
On behalf of:

**Alvaro L. Almuina, P. Eng., PMP, DCE**

Project Manager

Cc: Ms. Alicia Jakaitis, Halton Region

Encl. Notice of Study Commencement



Here is a [link](#) to the project webpage on the Halton Region website.





## Meeting Agenda

*Ninth Line (RR13) Transportation Corridor Improvements  
Highway 407 to 10 Side Road*

**Purpose:** Technical Agency Committee Meeting No. 2  
**Date:** Tuesday, May 12, 2015  
**Time:** 10:00 a.m. to 12:00 p.m.  
**Place:** Gellert Community Centre, Kinsmen Hall B  
10241 Eighth Line  
Georgetown, ON L7G 4S5  
**Halton Region Project No.:** PR 2876  
**UEM Project No.:** 14-508

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1. Introductions
2. Recap
3. Evaluation of Alternative Design Concepts
4. Consultation Activities
5. Recommended Design Option
6. Schedule
7. Q & A
8. Adjourn



**CLASS ENVIRONMENTAL ASSESSMENT STUDY**  
**Ninth Line (Regional Road 13) Transportation Corridor Improvements**  
**Highway 407 to 10 Side Road (Regional Road 10),**  
**Town of Halton Hills**  
**PR-2876A**

**TECHNICAL AGENCY COMMITTEE (TAC) #2 – SIGN-IN SHEET**

**Tuesday, May 12, 2015**  
**Gellert Community Centre –10241 Eighth Line, Georgetown, ON**

Name	Mailing Address	Telephone No.	email
Faye Wang	918 South Service Rd. ON L8E 5M4	289 649 2062	fwang@uniongas.com
Dhvani Shah	483 Bay St. 13 <sup>th</sup> floor Toronto ON M5G 2P5	416-345-5849	dhvani.shah@hydroone.com
Yusan Ong	483 Bay St. North Tower 14 <sup>th</sup> floor Toronto, ON M5G 2P5	416-345-5031	yusan.ong@hydroone.com
JACQUES OTIS	7870 Sixth line & St Halton Hills, ON L7G 0E9	905 864 7726	jack_otis@transcanada.com
Bill Mundy	Halton Region	289-257-9773	bill.mundy@halton.ca
Sarah Matchett	conservation Halton	905 336 1158 x 2272	smatchett@hrcan.on.ca
Holly Anderson	Conservation Halton	905-336-1158 x 2292	handerson@hrcan.on.ca



**CLASS ENVIRONMENTAL ASSESSMENT STUDY**  
**Ninth Line (Regional Road 13) Transportation Corridor Improvements**  
**Highway 407 to 10 Side Road (Regional Road 10),**  
**Town of Halton Hills**  
**PR-2876A**

**TECHNICAL AGENCY COMMITTEE (TAC) #2 – SIGN-IN SHEET**

**Tuesday, May 12, 2015**  
**Gellert Community Centre –10241 Eighth Line, Georgetown, ON**

Name	Mailing Address	Telephone No.	email
Dan Ridgway	1 Halton Hills Drive	905-873-2601 x. 2369	danielr@haltonhills.ca
Maureen Vanlaars	1 Halton Hills Drive	905 873-2801 x2314	maureenve@haltonhills.ca
ALUA JAKAITIS			
Jeffrey Reid	Halton Region	(905) 925-6000 ext. 7920	jeffrey.reid@halton.ca
Heather Neary		519-760-8871	hneary@uemconsulting.com
Patrick Monaghan	Halton Region	(905) 925-6000 ext 7213	Patrick.monaghan@halton.ca



## NINTH LINE (REGIONAL ROAD 13) TRANSPORTATION CORRIDOR IMPROVEMENTS HIGHWAY 407 TO 10 SIDE ROAD (REGIONAL ROAD 10)



Technical Agency Committee Meeting No. 2  
May 12, 2015

Halton.ca ☎ 311

## TAC Meeting Agenda

- Introductions
- Recap
- Evaluation of Alternative Design Concepts
- Consultation Activities
- Recommended Design Option
- Schedule
- Q & A
- Adjourn



Halton.ca ☎ 311

## Study Area



Halton.ca ☎ 311

## Alternative Solutions

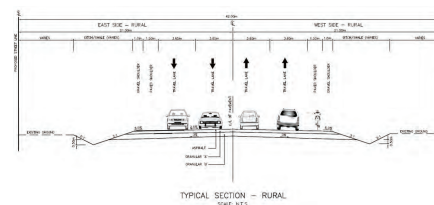
<b>Do Nothing</b>	<ul style="list-style-type: none"> <li>• Does not address future needs</li> <li>• Carry forward for comparison only</li> </ul>
<b>Limit Development</b>	<ul style="list-style-type: none"> <li>• Future projections based on approved future urban area</li> <li>• Do not carry forward</li> </ul>
<b>Travel Demand Management Measures</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Improved Transit Service (GO Transit) / Other Modes of Transportation</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Intersection and / or Operational Improvements</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Improvements to Other Roadways</b>	<ul style="list-style-type: none"> <li>• On their own, do not address the problem</li> <li>• Part of overall transportation strategy</li> <li>• Carry forward within overall strategy</li> </ul>
<b>Improvements to Ninth Line (widening to 4 lanes)</b>	<ul style="list-style-type: none"> <li>• Needs identified in Halton Region Transportation Master Plan to support future growth</li> <li>• Carry forward within overall strategy</li> </ul>



Halton.ca ☎ 311

## Alternative Design Concepts

- Widen about the Centreline
- Widen on East Side
- Widen on West Side
- Combination of above (depending on impacts)



Halton.ca ☎ 311

## Evaluation Criteria

- The evaluation of alternative designs considers the broad definition of the environment as defined in the Environmental Assessment Act (EAA)
- The criteria for evaluating alternative designs are grouped into five major categories:
  - Natural Environment
  - Socio-Economic Environment
  - Cultural Environment
  - Transportation
  - Construction Cost



Halton.ca ☎ 311



## Evaluation Criteria

### Natural Environment

- Natural Heritage Features and Unique Landforms
- Vegetation Communities and/or Species of Concern
- Wildlife, Wildlife Habitat, Habitat Linkages and Corridors
- Watercourses, Fisheries and Aquatic Resources
- Natural Hazards
- Stormwater Management and Erosion Control
- Air Quality



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## Evaluation Criteria

### Socio-Economic Environment

- Adjacent and Surrounding Land Uses
- Existing Residential and Business Areas
- Noise

### Cultural Environment

- Archaeological Resources and Areas of Archaeological Potential
- Built Heritage Resources and Cultural Landscape
- Traffic
- Structures
- Compatibility with Official Planning Documents



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## Evaluation Criteria

### Transportation

- Impact on Current and Projected Traffic Patterns
- Active Transportation
- Intersection Requirements
- Safety

### Construction Cost

- Appropriation of Land
- Capital Cost



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## Evaluation of Design Options

Major Category	Evaluation Criteria	W	E	CL
1. Natural Environment	• Natural Heritage Features and Unique Landforms			
	• Vegetation Communities and/or Species of Concern			
	• Wildlife, Wildlife Habitat, Habitat Linkages and Corridors			
	• Watercourses, Fisheries and Aquatic Resources			
	• Natural Hazards			
	• Stormwater Management and Erosion Control			
	• Air Quality			
2. Socio-Economic Environment	• Existing and Future Land Uses			
	• Farms and Business Operations			
	• Residential Areas			
	• Institutional and Recreational Uses			
	• Potential Property Requirements			
	• Property Access			
	• Noise			
3. Cultural Environment	• Archaeological Resources and Areas of Archaeological Potential			
	• Built Heritage Resources and Cultural Landscape			
	• Compatibility with Official Planning Documents			
	• Impact on Current and Projected Traffic Patterns			
4. Transportation	• Active Transportation			



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## Recommended Design Option

- **Combination of widening** about the Centreline, to the East and to the West
  - Widen about the centreline for most of corridor
  - To avoid impacts on residential properties:
    - Reduce cross-section at two locations (central segment)
    - Re-align centreline at two locations (south segment)
- Intersection of Ninth Line and 5 Side Road to be upgraded with turn lanes and continue to be signalized
- Tie-in to existing conditions at 10 Side Road and Steeles Avenue



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## Recommended Design Option

- Typical design was about the roadway centreline with a 42.0m Rural ROW
- Modifications to “Typical” were made:
  - In sections with a number of residential land uses on either side of the corridor, reduced ROW standards to 26.6 m
  - To avoid single residential properties the roadway alignment was shifted (East or West)

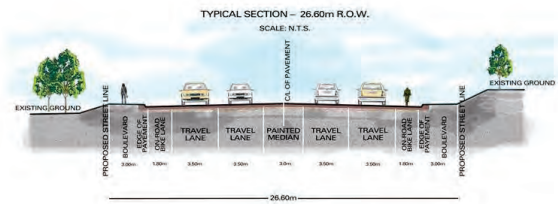


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## Recommended Design Option

- Modified Cross-section



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## Recommended Design Option

- Roadway alignment shifts



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## Recommended Design Option

- Road Profile Changes



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## Recommended Design Option

- Intersection Modifications (Ninth Line / 5 SR)



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## Recommended Design Option

- Review design on Corridor Plan



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## Recommended Design Option

- Looked at eliminating the "jog"
- Not recommended at this stage of study
- To be incorporated in planning policy for the Employment Lands



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## Consultation Activities

- Utilities (Hydro, GAS)
- Halton Region PW (Water / Waste Water)
- Conservation Halton
  - Meetings June 13, 2014 & April 8, 2015
  - Field visit April 14, 2015
- Property Owners (April 29 Workshop)
- One-on-One Property Owner Meetings
- Infrastructure Ontario
- Ministry of Tourism, Culture and Sport



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## Consultation Activities – Commitments

### ESR

- Identify areas where permits pursuant to Ontario Regulation 162/06 will be required and include such Permits as future commitments
- Coordination with GTA West
- Complete additional roadside amphibian calling survey in the southwest quadrant of Ninth Line and 5 Side Road
- Conduct detailed hydrologic analysis of the culvert crossing & consider a “flat bottom” ditch design
- Specify deficit/surplus of fill material during construction
- Consider Street lighting in sections with multiple residences

### Detail Design Stage

- Conduct a geomorphological assessment
- Commitments to impacted properties



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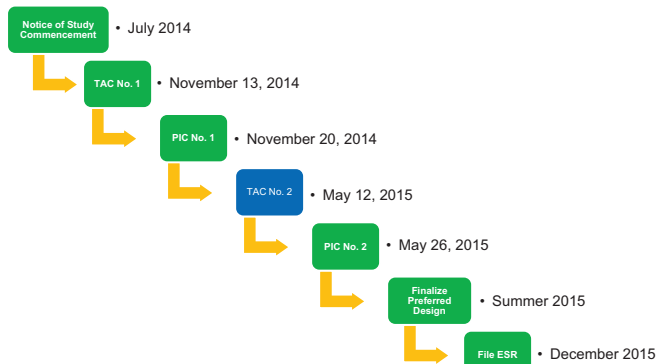
## Environmental Effects and Mitigation

Impacts	Mitigation
Replacement/Extension of two (2) permanent watercourse culverts	<ul style="list-style-type: none"> <li>• Ensure applicable erosion and sediment control measures are in place prior to commencement of construction</li> <li>• Erosion and sediment control measures to prevent the entry of deleterious substances into the watercourse</li> <li>• Rehabilitate disturbed areas to previous, or better, condition</li> </ul>
Removal of roadside trees within and beyond the Region's right-of-way	<ul style="list-style-type: none"> <li>• Limit clearing to required area of construction</li> <li>• Follow CH / Region's Tree Canopy Replacement Policy</li> </ul>
Acquisition of private property	<ul style="list-style-type: none"> <li>• Ensure limit of grading is within Regional ROW</li> <li>• Acquire per Regional Realty Department practice (Fair Market Value)</li> </ul>
Impact on private property landscape, wells, septic tanks, etc.	<ul style="list-style-type: none"> <li>• Relocate or replace to same or better condition, per Regional practice</li> </ul>



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## Schedule



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## Next Steps

- TAC Feedback – June 26, 2015
- PIC No. 2 – May 26, 2015
- Finalize Design – Summer 2015
- ESR Submission – Fall 2015
- Filing ESR – December 2015
- Detail Design – 2016
- Consultation with Stakeholders – 2017
- Commence Construction – 2018



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## Questions?



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Halton Region Environmental Assessments:  
[www.halton.ca/eaprojects](http://www.halton.ca/eaprojects)



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## Thank You



**Ms. Alicia Jakaitis**  
**Project Manager**  
Halton Region  
1151 Bronte Road  
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Tel: 905-825-6000 ext. 7556  
Fax: 905-847-2192  
E: [alicia.jakaitis@halton.ca](mailto:alicia.jakaitis@halton.ca)



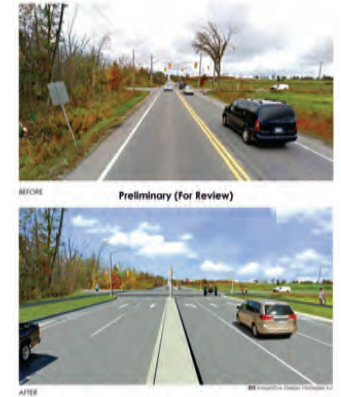
**Alvaro L. Almuina, P. Eng.**  
**Project Manager**  
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5100 Orbitor Drive, Suite 300  
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Fax: 905-212-9397  
E: [aalmuina@uemconsulting.com](mailto:aalmuina@uemconsulting.com)



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## TAC Feedback

- *For Discussion Only.  
Nor for Public  
Distribution*



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### Topics Discussed at the Second TAC Meeting

Questions Raised During TAC Discussion	Response
How will the modified cross section accommodate agricultural traffic and activities?	The modified cross section is only for specific areas that could not accommodate the standard cross section without significant impact on properties. The majority of the corridor however, will include the standard 42m ROW cross section.
The modified cross section identifies a 1.8 metre 'paved shoulder'. Is this referring to a bike lane with proper signage?	The 'paved shoulder' on this drawing is intended to be the on-road bike lane. Signage and pavement markings will be in accordance with OTM 18.
Can the modified cross section areas accommodate any growth?	No new development is anticipated in the study area other than commercial/industrial development along the Steeles Ave corridor.
Will the intersections include advanced turning lights due to the increase in traffic?	The timing plans will reflect the anticipated conditions and will change as required.
Will any water service be coming to the area along with this project?	None is planned at this time. The area will remain on wells and septic tanks.
Comment from Union Gas: With similar projects, residents often assume that with new construction gas will become available, please make clear that this project is not dealing with gas relocation, this is a different process and there are currently no plans for Ninth Line.	The Project Team acknowledged this has been the team's message to the public.
Will telephone lines be moved underground due to construction?	Telephone lines will remain overhead service.
The multiuse paths are part of design, but it will be up to town of Halton Hills to build and pay for the paths?	The design is accommodating for the space, but not for the infrastructure for the multiuse path. The Region will work with the Town of Halton Hills during design, but it will ultimately be up to the Town of Halton Hills to fund and build the paths.
If the multiuse path is not necessarily being built at time of construction, will the existing culverts be moved regardless?	The intent is to create space for the multiuse path so the culverts will also be extended so it does not have to be done in multiple stages in the future.
What is the plan for water drainage for the urban sections?	Will use gravity when possible but will install sewers if needed. The drainage design is still ongoing.



## Amanda Selig

---

**From:** Amanda Selig  
**Sent:** Wednesday, August 05, 2015 1:57 PM  
**To:** 'stefan.linder@cn.ca'; 'fabio.cabarcas@halton.ca'; 'ToddC@haltonhills.ca'; 'SteveG@haltonhills.ca'; 'WarrenH@haltonhills.ca'; 'DanielR@haltonhills.ca'; 'MatthewR@haltonhills.ca'; 'johnk@haltonhills.ca'; 'richard.clark@halton.ca'; 'johnl@haltonhills.ca'; 'mscott@ossga.com'; 'Ron.Reinholt@halton.ca'; 'lcampbell@lcaenvironmental.ca'; 'stevebu@haltonhills.ca'; 'thibeaultf@hcdsb.org'; 'TaraB@haltonhills.ca'; 'jenn.mclean@cogeco.com'; 'kendra.willard@halton.ca'; 'Stephen.Dinka@halton.ca'; 'Aurora.McAllister@ontario.ca'; 'chrish@haltonhillshydro.com'; 'maureenv@haltonhills.ca'; 'handerson@hrca.on.ca'; 'smatchett@hrca.on.ca'; 'pbond@hrca.on.ca'; 'YuSan.Ong@HydroOne.com'; 'bradley.boulton@bell.ca'; 'lisa.myslicki@infrastructureontario.ca'; 'david.pritchard@ontario.ca'; 'monisa.nandi@gotransit.com'; 'jackie.vandevalk@ontario.ca'; 'joseph.lai@ontario.ca'; 'TerryA@haltonhills.ca'; 'nick.buczynsky@halton.ca'; 'Anna.DeMarchi-Meyers@halton.ca'; 'Nancy.Field@halton.ca'; 'lacroixk@haltonbus.ca'; 'DamianS@haltonhills.ca'; 'stirling.todd@halton.ca'; 'roger.wilkie@haltonpolice.ca'; 'Dave.Huk@halton.ca'; 'Chrism@haltonhills.ca'; 'greg.sage@halton.ca'; 'tianyuan.li@hydroone.com'; 'Marcia.Wallace@ontario.ca'; 'gretchen\_gordon@transcanada.com'; 'Bob.Wicklund@halton.ca'; 'mccormick.bj@HydroOne.com'; 'project\_team@gt-west.com'; 'fwang@uniongas.com'; 'jdevito@hrca.on.ca'; 'douglas.mackenzie@railamerica.com'; 'steven.strong@ontario.ca'; 'rob.dobos@ec.gc.ca'; 'tslaght@creditvalleyca.ca'; 'victor.doyle@ontario.ca'; 'renzellad@hdsb.ca'; 'brentm@haltonhills.ca'; 'PaulSa@haltonhills.ca'; 'LorisV@haltonhills.ca'; 'john.duong@halton.ca'; 'stephen.tanner@haltonpolice.ca'; 'paul\_whehan@transcanada.com'; 'dayton.dumesnil@bell.ca'; 'paul.davies@haltonpolice.ca'; 'JaniceT@haltonhills.ca'; 'Chris.Burke@gotransit.com'; 'Natalie.Rouskov@ontario.ca'; 'george.watt@hydroone.com'; 'Nick.zervos@halton.ca'; 'david.Pickles@ontario.ca'; 'crystal.owen@bell.ca'; 'Sara.Eddy@dfo-mpo.gc.ca'; 'christine.barber@halton.ca'; 'rosi.zirger@ontario.ca'; 'david.simpson@halton.ca'; 'jim.arnott@enbridge.com'; 'LaRobinson@uniongas.com'  
**Cc:** Jakaitis, Alicia <Alicia.Jakaitis@halton.ca> (Alicia.Jakaitis@halton.ca); Monaghan, Patrick - Transportation Services <Patrick.Monaghan@halton.ca> (Patrick.Monaghan@halton.ca); Alvaro Almuina  
**Subject:** TAC #2 Meeting Minutes - Ninth Line Corridor Improvements, Town of Halton Hills  
**Attachments:** TAC #2 Meeting Invitation - Ninth Line Corridor Improvements, Town of Halton Hills; Ninth Line Class EA - TAC 2 Meeting Minutes.pdf; UEM\_Presentation\_TAC\_Meeting2\_12May2015\_FINAL.pdf

August 5, 2015  
UEM Project #14-508  
Halton Region Project #PR 2876

Good afternoon,

**RE: Municipal Class Environmental Assessment – Ninth Line (Regional Road 13) Corridor Improvements from Highway 407 to 10 Side Road (Regional Road 10), Town of Halton Hills**



In April you received an invitation to participate in the second Technical Agency Committee (TAC) meeting for the above mentioned project. The second TAC meeting took place on May 12, 2015.

Please find attached to this email the TAC #2 meeting invitation, meeting minutes and a copy of the presentation slides. If you no longer wish to receive emails regarding this study, you may send me an email and I will update the project contact list.

If you have any questions regarding this study, please feel free to contact Alvaro Almuina, Urban & Environmental Management Inc., at 905-212-9722 ext. 45 or [aalmuina@uemconsulting.com](mailto:aalmuina@uemconsulting.com).

Best regards,

**Amanda Selig, BES, EPt**

**Urban & Environmental Management Inc. (UEM)**

4701 St. Clair Avenue, Suite 301

Niagara Falls, Ontario, L2E 3S9

T (905) 371 - 9764 x 230 | F (905) 371 - 9763

e-mail: [aselig@uemconsulting.com](mailto:aselig@uemconsulting.com) | Website: [www.uemconsulting.com](http://www.uemconsulting.com)

Sent on behalf of:

**Alvaro L. Almuina, P. Eng., PMP, DCE**

Project Manager



## Minutes of TAC No. 2 Meeting

### **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

**HELD ON:** Tuesday, May 12, 2015 at 10:00 a.m.

**LOCATION:** Gellert Community Centre, Kinsmen Hall B  
10241 Eighth Line, Georgetown

**PRESENT:**

Daniel Ridgway	Halton Hills
Maureen Van Ravens	Halton Hills
Holly Anderson	Conservation Halton
Sarah Matchett	Conservation Halton
Yu San Ong	Hydro One
Dhvani Shah	Hydro One
Jacques Otis	TransCanada
Faye Wang	Union Gas
Bill Mundy	Halton Region

***Project Team:***

Alicia Jakaitis	Halton Region
Patrick Monaghan	Halton Region
Jeffrey Reid	Halton Region
Alvaro Almuina	UEM
Heather Neary	UEM

**PURPOSE:** Meeting with Technical Agency Committee (TAC) representatives to review the preliminary preferred design for the Ninth Line corridor and discuss the work completed on the project to date.

<b>MINUTES:</b>		<b>ACTION BY:</b>
<b>ITEM 1 – INTRODUCTIONS</b>		
1.1	Alvaro Almuina, Consultant Project Manager from UEM, introduced the project team, including Alicia Jakaitis, Project Manager for Halton Region.  TAC attendees introduced themselves and were asked to sign the attendance sheet.  A handout package was provided to all attendees to supplement information referred to in the presentation. The material included agenda for the TAC meeting, comment sheet, copy of the presentation slides, standard and modified cross sections.	Information



## Minutes of TAC No. 2 Meeting

### **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

<b>MINUTES:</b>		<b>ACTION BY:</b>
<b>Item 2 - Recap</b>		
2.1	<ul style="list-style-type: none"> <li>Halton Region has initiated a Class Environmental Assessment (Class EA) to evaluate and recommend transportation improvements on Ninth Line (RR13) from Highway 407 to 10 Side Road (RR10) in the Town of Halton Hills, Ontario.</li> <li>The study is being conducted in compliance with Schedule C of the Municipal Engineers Association Municipal Class Environmental Assessment planning and design process (October 2000, as amended in 2007 &amp; 2011).</li> </ul> <p><u>Activities since the last TAC meeting include</u></p> <ul style="list-style-type: none"> <li>A Review of study findings in light of comments received</li> <li>Present an updated traffic analysis</li> <li>Reconfirm need and justification</li> <li>Develop alternative designs for Ninth Line</li> <li>Comparatively assess and evaluate the alternatives and determine a Preferred Alternative</li> <li>Develop a Preliminary Design Plan</li> <li>Identify Mitigation Strategies</li> <li>The purpose of this meeting is to provide an opportunity for Technical Agencies to review study progress and comment or provide suggestions to the Project Team.</li> </ul>	Information
<b>Item 3- Consultation Activities</b>		
3.1	<p>The Project Team has met with numerous stakeholders including:</p> <p>Utilities (Hydro, Gas), Halton Region PW (Water/Waste Water), Conservation Halton, Property Owners, Infrastructure Ontario, Ministry of Tourism, Culture and Sport.</p>	Information
3.2	<p>At the workshops with impacted property owners many residents brought up a desire for street lighting. The Project Team will be making a recommendation on this</p>	Information



## Minutes of TAC No. 2 Meeting

### **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

<b>MINUTES:</b>		<b>ACTION BY:</b>	
	matter in the ESR.		
3.3	A pocket of residential properties north of 5 side road has reduced visibility to the north due to a vertical curve in existing Ninth Line. The recommended design includes a plan to cut the profile to improve visibility in this area.		
<b>ITEM 4 – GENERAL DISCUSSION</b>			
4.1	<p>Question: How will the modified cross section accommodate agricultural traffic and activities?</p> <p>Project Team Response: The additional lane will improve conditions for agricultural traffic. In addition the modified cross section is only for specific areas that could not accommodate the standard cross section without significant impact on properties. The majority of the corridor however, will include the standard 42m ROW cross section.</p>		Information
4.2	<p>Question: The modified cross section identifies a 1.8 metre 'paved shoulder'. Is this referring to a bike lane with proper signage?</p> <p>Project Team Response: The 'paved shoulder' on this drawing is intended to be the on-road bike lane. Signage and pavement markings will be in accordance with OTM 18.</p>		Information
4.3	<p>Question: Can the modified cross section areas accommodate any growth?</p> <p>Project Team Response: No new development is anticipated in the study area other than commercial/industrial development along the Steeles Ave corridor.</p>		Information
4.4	<p>Question: Will the intersections include advanced turning lights due to the increase in traffic?</p> <p>Project Team Response: The timing plans will reflect the anticipated conditions and will change as required.</p>		Information
4.5	Question: Will any water service be coming to the area along with this project?		Information



## Minutes of TAC No. 2 Meeting

### **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

<b>MINUTES:</b>		<b>ACTION BY:</b>	
	Project Team Response: None is planned at this time. The area is still zoned as rural and therefore there are no current plans to bring underground services to the corridor. The area will remain on wells and septic tanks.		
4.6	<p>Comment from Union Gas: With similar projects, residents often assume that with new construction gas will become available, please make clear that this project is not dealing with gas relocation, this is a different process and there are currently no plans for Ninth Line.</p> <p>Project Team Response: The Project Team acknowledged <b>this has been the team's message to the public.</b></p>		Information
4.7	<p>Question: Will telephone lines be moved underground due to construction?</p> <p>Project Team Response: Telephone lines will remain overhead service.</p>		Information
4.8	<p>Question: The multiuse paths are part of design, but it will be up to town of Halton Hills to build and pay for the paths?</p> <p>Project Team Response: The design is accommodating for the space, but not for the infrastructure for the multiuse path. The Region will work with the Town of Halton Hills during design, but it will ultimately be up to the Town of Halton Hills to fund and build the paths.</p>		Information
4.9	<p>Question: If the multiuse path is not necessarily being built at time of construction, will the existing culverts be moved regardless?</p> <p>Project Team Response: Yes, the intent is to create space for the multiuse path therefore the culverts will be extended.</p>		Information
4.10	<p>Question: What is the plan for water drainage for the urban sections?</p> <p>Project Team Response: Within the urban areas the roadway drainage is captured by a curb and gutter system and carried downstream to a ditch. The drainage</p>		Information



## Minutes of TAC No. 2 Meeting

### **Ninth Line (Regional Road 13) Transportation Corridor Improvements from Highway 407 to 10 Side Road**

<b>MINUTES:</b>		<b>ACTION BY:</b>	
	design is still ongoing and will be finalized at detail design		
<b>ITEM 5 – SCHEDULE</b>			Information
5.1	Moving forward, the Project Team will be holding the second PIC on May 26, 2015.		Information
5.2	The preferred alternative design will be finalized in the Summer of 2015.		Information
5.3	The Environmental Study Report (ESR) for this Class EA will be placed on the public record for review and filing by Winter 2015.		Information





CLASS ENVIRONMENTAL ASSESSMENT STUDY  
Ninth Line (Regional Road 13) Transportation Corridor Improvements  
Highway 407 to 10 Side Road (Regional Road 10),  
Town of Halton Hills  
PR-2876A



TECHNICAL AGENCY COMMITTEE (TAC) #2 – COMMENT SHEET

Tuesday, May 12, 2015  
Gellert Community Centre – Kinsmen Hall B, 10241 Eighth Line, Georgetown, ON

PLEASE PROVIDE YOUR COMMENTS IN THE SPACE BELOW

Good Presentation  
Thanks Alvaro

Please clarify the on-road bike lane - is it  
a paved shoulder or on-road bike lane that  
would be required accordingly

Also, cost of the multi-use path etc. would like  
further discussion with the Town on who  
is paying for it. Town would like to begin to  
pay for it!

Thank you for your time and your participation in this study.

If you are unable to respond at this time, please submit your comments by June 26, 2015 to:

Ms. Alicia Jakaitis  
Transportation Coordinator  
Halton Region  
1151 Bronte Road  
Oakville, ON L6M 3L1  
Phone : 905-825-6000 ext. 7556  
Fax : 905-825-3270  
Email : [alicia.jakaitis@halton.ca](mailto:alicia.jakaitis@halton.ca)

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Name : MAUREEN VANRAABUS Organization : HALTON HILLS

Mailing Address : \_\_\_\_\_

City/Town : \_\_\_\_\_ Postal Code : \_\_\_\_\_

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