Appendix C.3 Public Information Centre#2 **Region of Peel**

Highway 50 & Mayfield Rd. EA Public Information Centre 2

Brampton ON

April 2011

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1. INTRODUCTION

In the fall of 2009 the Region of Peel initiated a Class Environmental Assessment (EA) planning study for Highway 50 (Mayfield Road to Castlemore Road) and Mayfield Road (Highway 50 to Coleraine Drive) to identify future needs and requirements of the two corridors. Consultation with stakeholders related to the corridor is a key part of the process, in order to ensure the road network functions in the future as the area develops. The study is being undertaken and prepared in accordance with the guidelines of the Municipal Engineers Association *Municipal Class Environmental Assessment*, June 2000 (Revised 2007). The EA is conducted in compliance with a **Schedule "C"** project of the guidelines. A Schedule "C" project is one that generally entails the construction of new facilities or a major expansion of existing facilities. The objectives are to assess potential impacts associated with the proposed roadway widening and to identify appropriate environmental mitigation measures.

A key component of the study is consultation with interested stakeholders and two Public Information Centres have been planned to aid this process.

The purpose of this report is to summarize the results of the second of the two Public Information Centres.

2. PUBLIC INFORMATION CENTRE (PIC) #2

2.1 Introduction

The second Public Information Centre (PIC 2) for the Highway 50 and Mayfield Road EA study was held on Wednesday, April 27, 2011 at the St. Patrick's Separate School (11948 The Gore Road) in Brampton. The purpose of PIC 2 was to provide information on the alternative designs being considered, evaluation of the alternative designs and identification of a preliminary recommended alternative design, as well as the potential impacts and mitigation measures of the preliminary recommended alternative design. Representatives from Peel Region and York Region were present at the PIC to answer questions and discuss the next steps in the Study. The format was an informal open house session from 6:00 pm to 8:00 pm, where panels, background reports and plans of the design alternatives were available for public viewing.

2.2 <u>Notification</u>

The PIC notice was published in the Brampton Guardian, Caledon Enterprise and Vaughan Citizen in early April; it was also mailed out on April 18, 2011 to approximately 135 residents, land owners and business owners in the study area. In addition, conservation authorities, Federal and Provincial agencies, First Nations, businesses and utility companies were notified by letter and/or email. This resulted in the mailing of over 100 notices to agencies. A copy of the notices and the materials presented at the PIC has been provided at the end of this report. Agencies contacted include:

FEDERAL	PROVINCIAL
Environment Canada	Ministry of Natural Resources Aurora District
Environment Canada Halton-Peel District Office	Ministry of Municipal Affairs and Housing
Fisheries and Oceans Canada District Office	Ministry of Environment - Central Region Technical Support Section
Fisheries and Oceans Canada Canadian Coast Guard, Central and Arctic Region	Ministry of Agricultural, Food & Rural Affairs Agricultural Land Use
	Ministry of Culture
Transport Canada - Ontario Region	Ministry of the Environment
	Ministry of the Environment Halton-Peel District Office
	Ministry of Tourism and Recreation
	Ministry of Transportation Engineering Office
	Ontario One Call
	Ontario Provincial Police
	Ontario Realty Corporation
	Government of Ontario, Management Board Secretariat Land Development Branch

GO Transit	
	GO Transit

REGIONAL	UTILITIES	
Dufferin-Peel Catholic District School Board	AT & T Canada	
Dufferin-Peel Roman Catholic Separate School Board	Bell Canada	
Peel District School Board H.J.A. Brown Education Centre	Brampton Transit	
Peel District School Board Planning and Accommodation Department	Enbridge Gas Distribution Inc.	
Peel Region Police Department	Enersource Hydro Mississauga	
Peel Regional Paramedic Services (EMS)	Hydro One Brampton	
Region of Peel	Hydro One Inc.	
The Humber Watershed Alliance	Ontario Power Generation	
Toronto and Region Conservation Authority, Development Services Section	Rogers Cable TV Limited	
	Telus Communications	

LOCAL AGENCIES AND STAKEHOLDERS			
Brampton Fire and Emergency Services	Delta Urban		
City of Brampton	Caledon Countryside Alliance		
City of Brampton Engineering & Construction Division Works and Transportation Department	St. Patrick's Cemetery Committee		
City of Brampton, Fire Department	Trout Unlimited		
Town of Caledon	Brampton Environmental Community Advisory Panel		

FIRST NATIONS		
Mississaugas of the New Credit First Nation	Mississaugas of the Scugog Island	
The Association of Iroquois and Allied Indians	Six Nations of Grand River	
Union of Ontario Indians, Nipissing First Nation	Indian and Northern Affairs – Ontario	
Chiefs of Ontario Office	Ministry of Aboriginal Affairs, Policy and Relationships Branch	
Curve Lake First Nation		

2.3 <u>Staff Attendance</u>

The following representatives from the Region of Peel, York Region and HDR | iTRANS were in attendance at the PIC.

Region of Peel: Richard Sparkham, Project Manager Hitesh Topiwala Imre Tot Ryan Gulyas

York Region:	Edward Chui
HDR iTRANS:	Stephen Keen, Consultant Project Manager Nathalie Baudais, Consultant Project Coordinator Mustafa Ismatyar

2.4 PIC Attendance and Display Materials

Upon arrival attendees were asked to sign a sign-in sheet then were invited to view the display boards either on their own or with a member of the project team escorting them. They were also told of the large roll plan for their review along with background reports and finally were asked to fill out a comment sheet if they had anything to share. Approximately 35 members of the public attended the PIC. Regional Councillors Allan Thompson and Richard Whitehead also attended the PIC.

As of May 3, 2011, four comment sheets, two emails and one phone call have been received. A summary of the comments provided and responses from the project team are included in Section 4.

The PIC Materials can be found in Appendix C.3.

3. WHAT'S NEXT

The project team will consider the input received from the PIC, review the preliminary recommended design and make modifications if required.

The Environmental Study Report will then be prepared and filed.

4.

SUMMARY OF COMMENTS

COMMENT

Confirm that all access to the Mayfield Road / Highway 50 carpool lot can accommodate a GO Bus.

Confirm that the designs at Highway 50 / Mayfield Road allows for a bus only entrance loop / exit to the carpool lot.

I request a copy of the development along Highway 50 and Mayfield Road as I am part of the property owners just south of the GO parking lot.

There are too many traffic lights on Highway 50 to qualify it as a "highway". As it is, there are plans to have other roads intersecting with Highway 50 in the study area. This would make merges very difficult when crossing six lanes.

The proposed intersection of the Highway 427 and Highway 50 is restricted in options due to the existing CP Rail yard and the opposing gas station.

The mapping of watersheds does not relate to the surrounding lands because areas shown as habitat or watersheds are currently worked or farmed areas.

Concerns regarding heavy truck traffic using Albion-Vaughan Road to get to Highway 50. The road is a bypass at the moment for cars. Where are all those trucks coming from?

Concerns regarding speeds. 80 km/h is too fast and the road is not built for that kind of speed.

Concerns over the amount of property required for the Mayfield Road widening.

elcome

Public Information Centre No. 2

to

for tha

Highway 50 and Mayfield Road Class Environmental Assessment Study

April 27, 2011

You can participate in this study by:

- Signing the attendance register
- Reviewing the display panels
- Asking questions and discussing your ideas with us
- Filling in a comment sheet and submitting either tonight or by May 13, 2011











Purpose of Public Information Centre No. 2

The purpose of the Public Information Centre (PIC) is to present:

- Study information to date
- Evaluation of the alternative design concepts and the preliminary recommended design concept
- Potential impacts and mitigation measures of the preliminary recommended design
- Encourage public involvement and obtain comments.

PIC #1 identified:

- Background informationStudy area
- Problem and Opportunity Statement
- Alternative planning solutions to address the problems
- Preferred Alternative Solution

Response from the public and affected agencies for PIC#1 confirmed our planning solution. Public concerns expressed at PIC#1 were related to property acquisition, potential for new traffic signals and maintenance of the centre left turn lane.

Background

Brampton Transportation and Transit Master Plan (TTMP) identified Highway 50 as needing a six lane cross section and Mayfield Road is identified as needing four lanes to support planned growth.

The Peel-427 Extension Area Transportation Master Plan was undertaken to assess future roadway requirements and has recommended a connection to Major Mackenzie, as well as a new arterial extension of Major Mackenzie northwest to Mayfield Road with the widening of a number of major arterials. The extension will attract a large volume of east-west traffic through the study area that will connect to Highway 427, Brampton or the north west parts of Peel Region. This large traffic flow will impact the Highway 50 and Mayfield Road intersection.







Study Area Corridor



Contribution of

Clarkway Dr.

Within the study area, Highway 50 generally consists of a five lane rural cross section with the centre lane as a two-way-left-turn lane and a posted speed limit of 80 km/hr. Mayfield Road within the study area is a two lane rural road with a posted speed limit of 80 km/hr. Both of these roads widen to include turning storage lanes at all major intersections.

Mayneland

Study Area

The Gore Ro

Neither of these roadways have sidewalks or bicycle facilities alongside them within the study area.

Huntington Rd

Rutherford Rd

MajorMackenztaDr

While no municipal transit service exists, GO Transit currently operates one bus route between Bolton and Malton GO station that passes along part of Highway 50 in peak hours. PMCL and Greyhound have buses that make one stop a day in each direction on Highway 50.

Highway 50 and Mayfield Road within the study area cross over a number of small creeks and streams.



castlemore Rd

- E1

Nashville Rd

Hwy 50

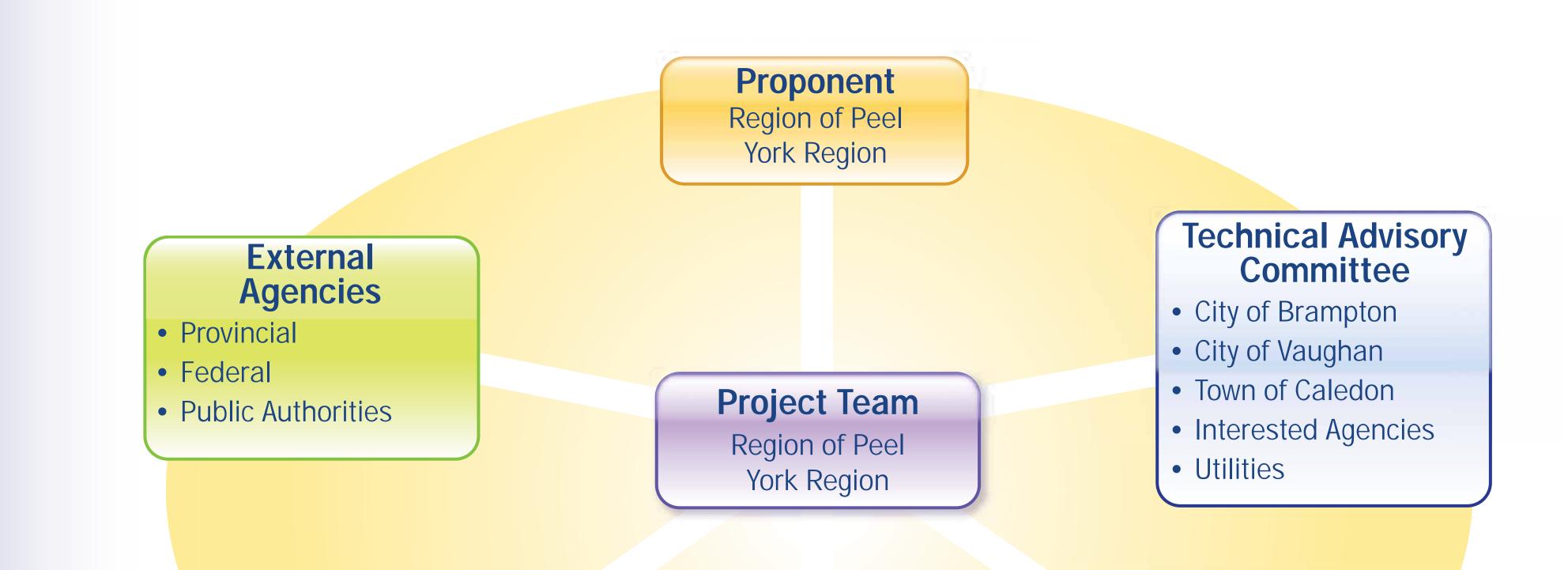
Coleraine Dr.







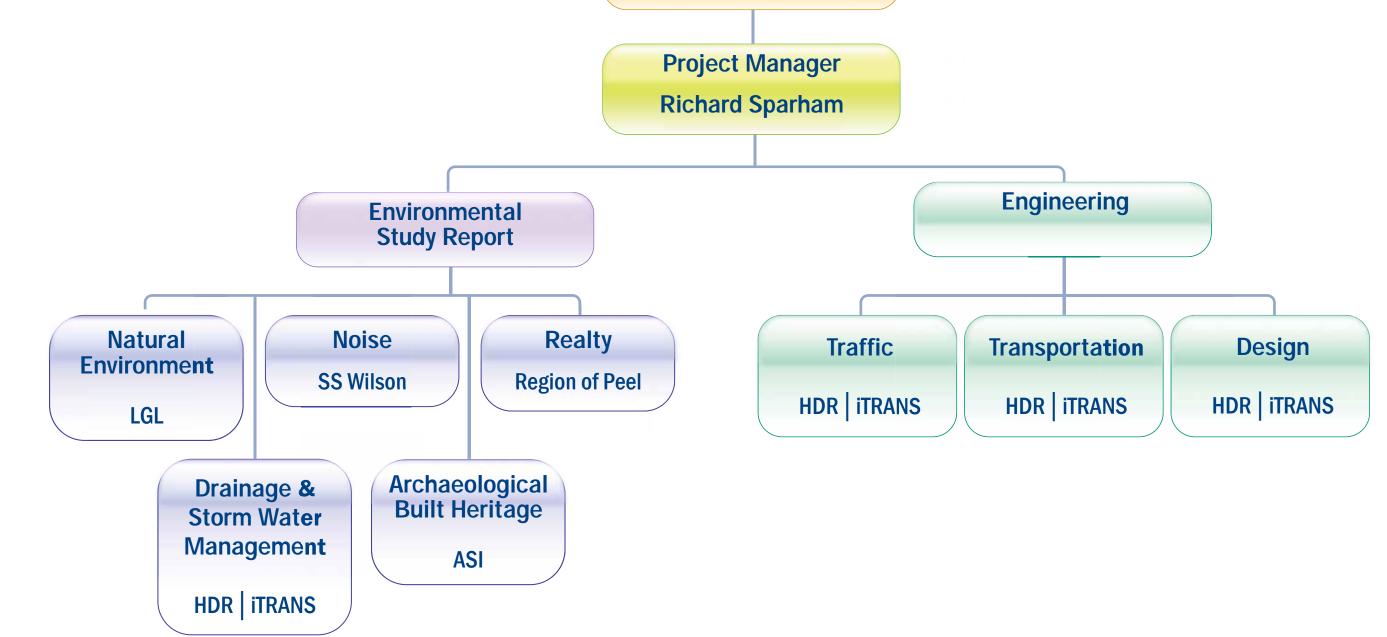
Study Organization





Region of Peel Project Team











Municipal Class EA Process

Hwy 50/ Mayfield Road Class Environmental Assessment Process



The Study will be conducted in accordance with the planning and design process for 'Schedule C' projects as outlined in the Municipal Engineers Association "Municipal Class Environmental Assessment," (October 2000, as amended in 2007).

• The Class EA process enables the planning and implementation of municipal infrastructure projects to be undertaken in accordance with an approved

procedure designed to protect the environment.

 The Class EA process includes public/external agency consultation, an evaluation of alternative solutions and alternative design concepts, an assessment of potential impacts associated with the proposed improvements, and development of measures to mitigate identified impacts.





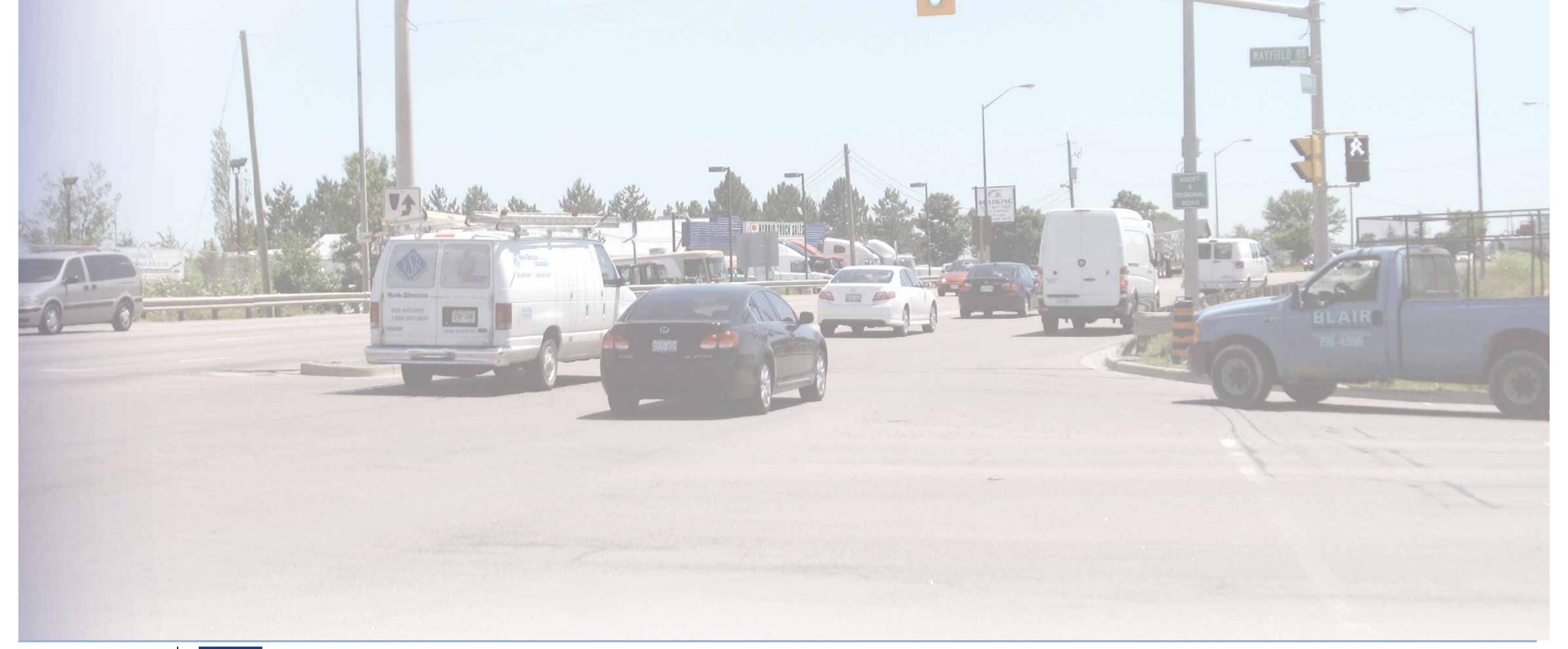


Summary of Preferred Planning Solution PIC#1

The project team confirmed the preferred planning solution:

- widen Highway 50 (between Mayfield Road and Castlemore Road) to 6 lanes;
- widen Mayfield Road (between Highway 50 and Coleraine Road) to 4 lanes;
- provide for sidewalks and multi-use trails along the corridors;
- support Travel Demand Management (e.g. carpool options, transit usage); and
- provide for transit priority measures.

- The preferred planning solution will achieve a number of objectives:
 - In support of Brampton and Regional Transportation Master Plans, it will provide appropriate road capacity for projected future traffic volumes to the 2031 planning year.
 - It will support current and future goods movement demands in the corridor as a result of planned adjacent industrial development.
 - It will support active transportation by implementing sidewalks and multiuse trails along Highway 50 and Mayfield Road.
 - It will allow for the provision of transit infrastructure.









Study Reports - Natural Heritage

Existing Conditions

- Humber River watershed
- 16 watercourses which are tributaries of Robinson Creek and/or Rainbow Creek.
- 3 watercourses provide direct fish habitat and contain permanent flow. All 13 others are only indirect fish habitat and are intermittent or ephemeral.
- All watercourses within the study area flow to known Redside Dace habitat (Endangered Species). The Ministry of Natural Resources (MNR) manages fish habitat and the project will follow MNR's provincial policy.
- Vegetation communities identified within the study area include cultural meadow (CUM1-1) and cultural plantation (CUP3).
- 6 vegetation species were identified that are considered uncommon or rare by the Toronto Region Conservation Authority (TRCA), including white spruce, red pine, common juniper, ninebark, tall wormwood and nodding wild rye. These tree and plant species were primarily found in planted manicured gardens within the study limits.
- 16 species of wildlife (11 birds, 4 mammals, and 1 herpetofauna species) were identified within the study limits. None of these species are regulated under the Ontario Endangered Species Act or the federal Species at Risk Act.
- 25 species of bird recorded within the study area are regulated under the Migratory Birds Convention Act (MBCA) while 3 species are regulated under the Fish and Wildlife Conservation Act (FWCA). 10 bird species found within the study area are recommended by Bird Studies Canada as priority species for conservation. 9 of the 12 species of mammal recorded are regulated under the FWCA.





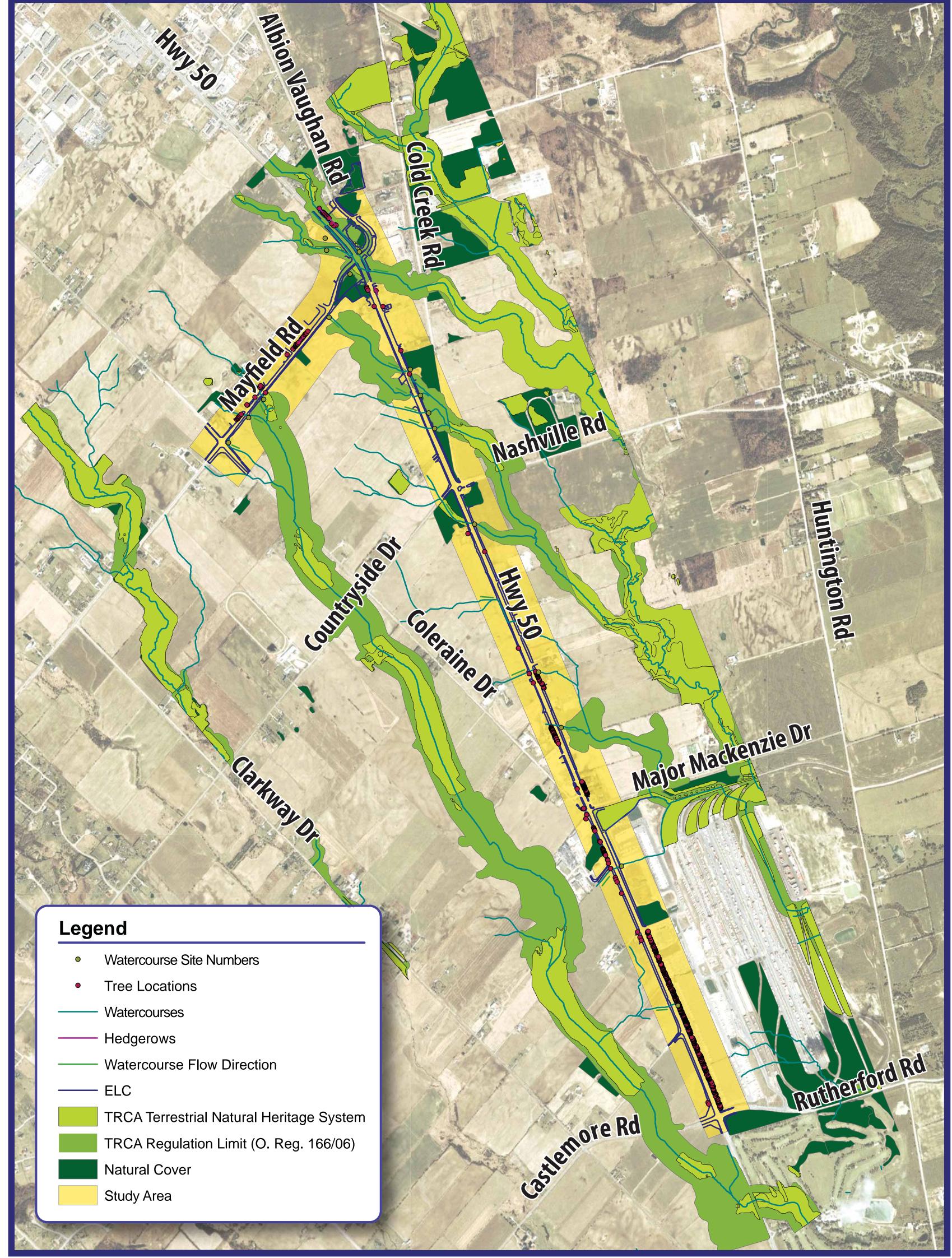
Highway 50 and Mayfield Road Class Environmental Assessment Study 7





Study Reports - Natural Heritage (continued)

Natural Heritage Conditions



ELC - Ecological Land Classification







Study Reports - Built Heritage and Archaeology

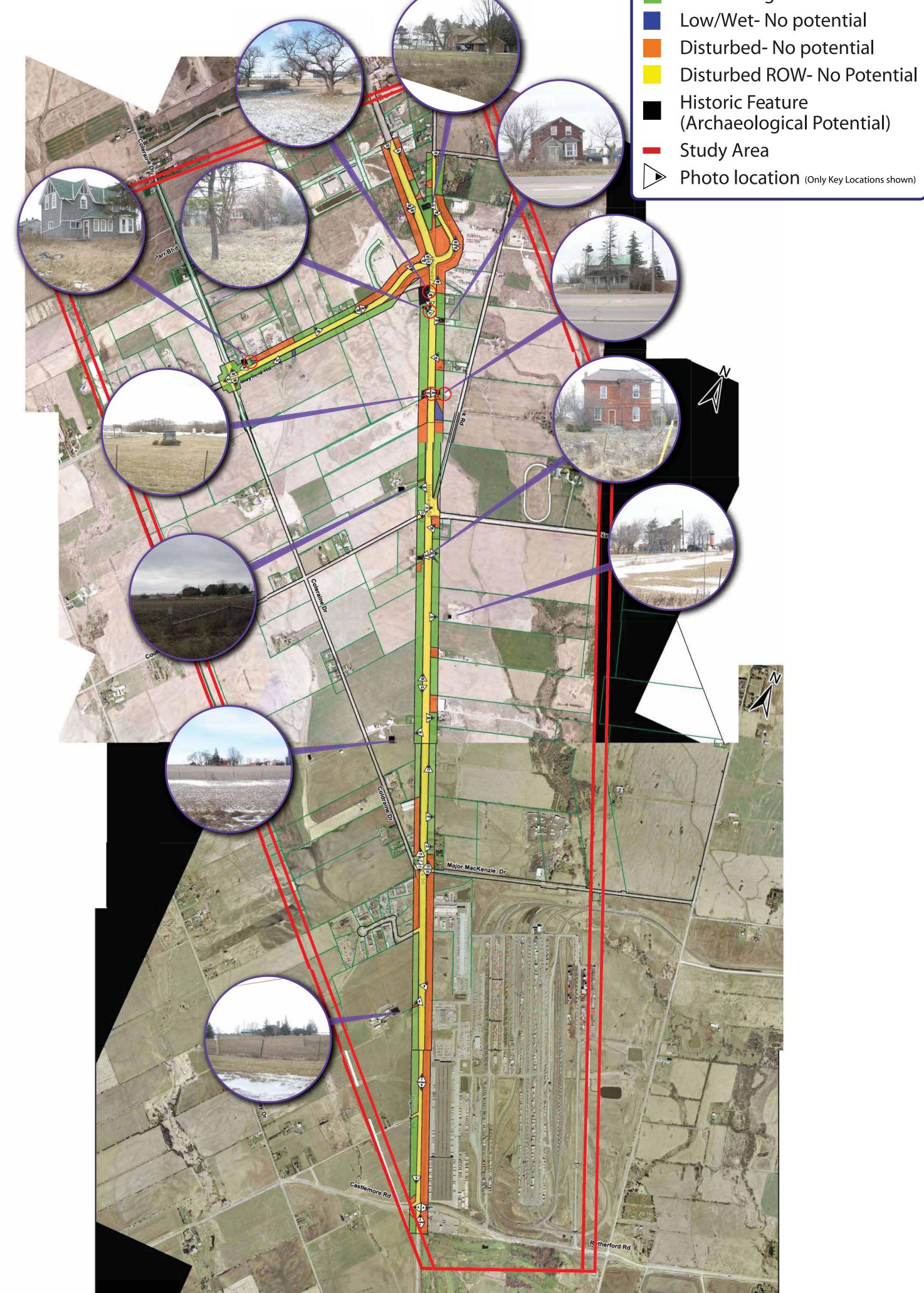
Cultural heritage resources identified are:

- three farmhouses;
- one barn;
- one pioneer cemetery; and
- nine farm complexes.

The existing Highway 50 and Mayfield Road right-of ways have been subjected to significant past disturbance and therefore exhibit no archaeological potential. However, some of the lands immediately adjacent to the existing right-of-ways are deemed to have archaeological potential.



Le	egend	
	Archaeological Potential	









Study Reports - Noise

The sound level criteria used in this study are based on the MOE/MTO Noise Protocol, Region of York and Region of Peel policies. The noise impact assessment in this project is based on the following comparisons:

- i) For York Region (east side of the project), mitigation is warranted when the projected future sound levels exceed Leq day 60 dBA which is the case for Highway 50 and Mayfield Road.
- ii) For Peel Region, mitigation is warranted when the projected future sound levels exceed Leq day 60 dBA and the change in noise level is greater than 5 dBA. This warrant has not been established for this project.

All the future sound levels are predicted to have excesses over the existing ambient sound levels in the range of 2 to 3 dBA. Such excesses are considered to be acoustically insignificant and are mainly attributed to the forecasted increase in Highway 50 and Mayfield Road future traffic volumes over the existing ambient conditions. According to the MOE/MTO Noise Protocol and the Regions policies, since the predicted future project sound level excesses do not exceed 5 dBA, consideration of noise control measures is not warranted.









Study Reports - Drainage and Stormwater Management

A summary of the preliminary stormwater management plan presented consists of the following:

1. Storm sewers will be provided for conveyance of all pavement areas. Storm sewers shall be sized to convey the 10 year design storm as per Region of Peel requirements. Major system (overland) flows will be conveyed along the road surface within the roadway right-of-way in a safe manner.

2. A total of three (3) culvert crossings will need to be replaced either due to physical deterioration or lack of hydraulic capacity. These include the following:

- Culvert Crossing 10 (Station 10 + 798) New twin 750 mm diameter culverts
- Culvert Crossing 11 (Station 10 + 905) New twin 675 mm diameter culverts
- Culvert Crossing 16 (Station 20 + 367) New twin 1000 mm diameter culverts
- 3. Existing culvert crossings need to be extended to accommodate the roadway widening.
- 4. Flooding conditions at the Highway 50 and Mayfield Road intersection will be improved as a result of the vertical profile adjustment on Mayfield Road.
- 5. Ditches will be provided on the west side of the Highway 50 right-of-way to collect external drainage from adjacent lands and convey the flow to the respective transverse culvert crossings.
- Wherever feasible, stormwater treatment will be provided at storm sewer outlets. Storm water quality treatment is to be provided by oil-grit separators (OGS). A total of 24 OGS units are proposed throughout the study corridor.
- 7. Erosion and sediment control measures will be implemented and monitored through the construction period. Construction activity will be conducted during periods that are least likely to result in in-stream impacts to fish habitat.







Study Reports - Geotechnical Investigations

The pavement investigations carried out for this project have revealed two strategies for the reconstruction of the road while undertaking the widening:

Overlaying the Existing Pavement; OR

Reconstruction – keeping the road profile as is, while reconstructing the pavement and sub-base with a total thickness of 795 mm

The majority of the corridors will likely be reconstructed as the profiles vary with both cut and fill sections.

Study Reports - Hydrogeology

Since all culvert crossings of the corridor are located in the saturated zone within the water table and since the dewatering rate is expected to be greater than 50 m3 per day, a Permit to Take Water will be required.









Evaluation of Alternative Design Concepts

Three options were considered and evaluated for the proposed widening of Highway 50 and Mayfield Road. The Highway 50 option would accommodate turning lanes and the Mayfield Road option would accommodate either turning lanes or a roundabout configuration:

OPTIONS for Highway 50:

- Widen about the centreline;
- Widen to the east; and
- Widen to the west.

OPTIONS for Mayfield Road:

- Widen about the centreline;
- Widen to the north; and
- Widen to the south.

The design alternatives were evaluated based on the following evaluation criteria:

- Transportation
- Natural Environment
- Land Use and Social-Economic Factors
- Development
- Implementation
- Costs









Preferred Design Concept

It is recommended to widen about the centreline to:

- balance property impacts on both sides of the corridor;
- minimize impacts on utilities (i.e. less need for relocations);
- minimize project costs;
- maintain the existing municipal boundary along Mayfield Road between the Brampton and Caledon; and
- maintain the existing municipal boundary along Highway 50 between Peel Region and York Region.

Exceptions:

Highway 50

The heritage Shiloh Cemetery on Highway 50 is a significant constraining factor and the preferred design was shifted to the east to prevent impacts to property and possible grave sites.

In addition, Highway 50 in the vicinity of Mayfield Road was shifted 5 metres to the west in order to avoid impacts on the creek running along the east side of the roadway.

Mayfield Road

To minimize impacts, a shift to the south on existing lanes was developed and evaluated; traffic controls at Pillsworth Road were assessed and a roundabout configuration proposed.









Evaluation of Alternative Designs



Cross-Sections

Highway 50 generally consists of a 5-lane rural cross-section with gravel shoulders and a twoway centre left turning lane. Mayfield Road is a 2-lane rural cross-section with gravel shoulders. Both roads have ditching on either side.

Highway 50 and Mayfield Road are boundary roads between adjoining municipalities. Highway 50 is the boundary between the City of Brampton / Region of Peel and the City of Vaughan / Region of York. Mayfield Road is the boundary between the City of Brampton and Town of Caledon.

Options that maintained the centreline of the roadway on the municipal boundary were developed, unless a significant impact had to be avoided.

Two options were considered for the cross-sections of Highway 50 and Mayfield Road:

- Typical Full Urban Cross-Section (curb and gutter); and
- Typical Rural Cross-Section (shoulders and ditches).

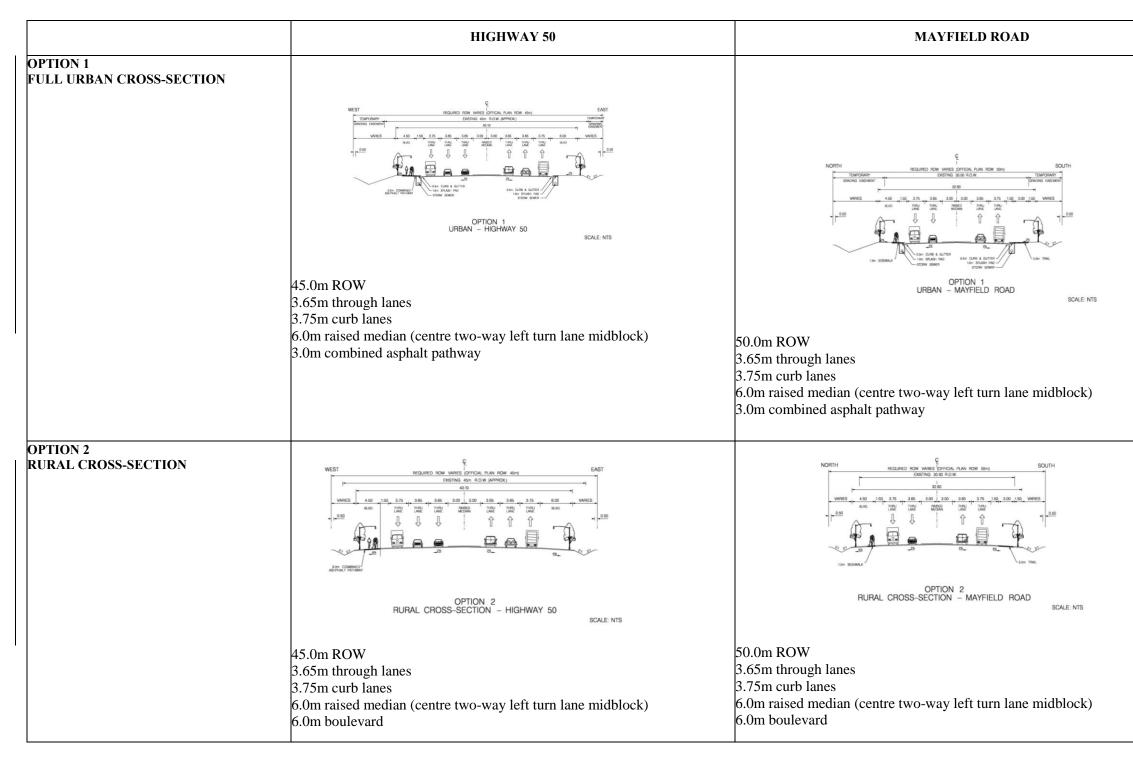




Table 1: Evaluation of Design Alternatives for the Cross-Sections

Legend:



Least Preferred

Most Preferred

FACTOR	Option 1	Option 2
	FULL URBAN CROSS-SECTION	RURAL CROSS-SECTION
	Involves curb and gutter along both sides of Highway 50 and Mayfield Road	Involves shoulders and ditches along both sides of Highway 50 and Mayfield Road
LAND USE AND SOCIAL-ECONOMIC		
Archaeological Resources Impacts	Minor potential to impact archaeological resources.	Moderate potential to impact archaeological resources.
CITY BUILDING		
Supports OP and Secondary Plan Objectives, Conformity to TMPs, Streetscaping	Supports growth, follows OPs and Secondary Plans, conforms to TMPs and provides opportunity to improve streetscape.	Supports growth, follows OPs and Secondary Plans, conforms to TMPS.
TRANSPORTATION SERVICE		
Traffic Safety within the Study Area	Cyclists and pedestrians separated from traffic by curb.	No physical separation between cyclists, pedestrians and traffic.
Accommodation for Pedestrians and Cyclists	Cyclists and pedestrians to be accommodated by a combined pathway in the	Cyclists and pedestrians to be accommodated within the boulevard of Highway 50 and
within the Study Corridors	boulevard on the west side of Highway 50 and south side of Mayfield Road and sidewalk on the north side of Mayfield Road.	Mayfield Road; separation from traffic is provided by pavement markings.
Transportation Network Considerations	As development progresses, many of the network arterial roads would have an urban cross-section and this would be consistent with that network.	As development progresses, many of the network arterial roads would have an urban cross-section and this would be inconsistent with that network.
NATURAL ENVIRONMENT		
Stormwater/Drainage	Water quality treatment is by oil/grit separators only	Water quality treatment is by roadside ditch. Reduces the rate of stormwater runoff.
Vegetation	Potential impacts to vegetative communities; however these are considered widespread and common in Ontario.	Potential impacts to vegetative communities; however these are considered widespread and common in Ontario. Larger impacts expected than Option 1; however, the impacts would be temporary caused by grading.
COSTS		
Capital Costs	High capital costs for road improvements.	Medium capital costs for road improvements.
Property Acquisition	Minimal property requirement (requires development to proceed first).	Significant property requirements.

FACTOR	Option 1 FULL URBAN CROSS-SECTION Involves curb and gutter along both sides of Highway 50 and Mayfield Road	Option 2 RURAL CROSS-SECTION Involves shoulders and ditches along both sides of Highway 50 and Mayfield
RECOMMENDATION	This area is designated to become entirely urbanized in the future and an urban cross-section would be consistent with these plans. Cyclists and pedestrians are accommodated behind the curb and as such, are protected from traffic. Water quality treatment is by oil/grit separators only.	A rural cross-section is suitable in rural areas. Since this area is planned to be developed, a rural cross-section would be inconsistent. Cyclists and pedestria protected from traffic by a physical barrier (pavement markings only). Water by roadside ditches.
	This cross-section is preferred. Recommended	Not Recommended

Impacts on the following are equal and therefore have been removed from the list.

Land Use and Social-Economic

- Business Impacts
- Noise Impacts

Transportation Service

- Corridor Capacity and Level of Service
- Accommodation of Truck Traffic
- Accommodation of Transit Service

Natural Environment

- Wildlife
- Aquatic Species and Habitat
- Air Quality
- Sustainability

Implementation

- Construction feasibility
- Staging opportunities

Costs

Utility Relocation

ld Road

become fully rians are not er treatment is

Table 2: Evaluation of Design Alternatives for the Highway 50 widening

_	-	
Leg	end:	

Legend:				
Least Preferred Most Prefe	erred			
FACTOR	CENTRELINE Involves widening Highwa	BOTH SIDES BASED ON y 50 on both the east and entreline to accommodate 6	Option 2 WIDEN EQUALLY ON E EASTERLY SHIFT IN V CEMETERY Involves widening Highway west sides of the existing ce travel lanes (3 per direction	ICINITY OF y 50 on both the east and entreline to accommodate 6
LAND USE AND SOCIAL-ECONOMIC			easterly shift in the vicinity	of the Shiloh cemetery.
Archaeological Resources Impacts	Potential to impact archaeological resources, Shiloh heritage cemetery.		Potential to impact archaeological resources; however, avoids impacts to the Shiloh heritage cemetery.	
Cultural Heritage Resources Impacts	No direct impacts to any identified cultural heritage resources are expected.	encroachment to the	Direct impacts to BHR 4 are expected through	Indirect impacts through encroachment to the following resources: CHL 2, CHL 3, BHR 3 and CHL 5. Avoids impact on the cemetery.
NATURAL ENVIRONMENT				

Vegetation	The Highway 50 corridor is comprised of cultural	Generally, the impacts will be similar to Option 1.
8	meadow and cultural plantation vegetation	There would be a slightly greater impact to vegetation
	communities that contain a high proportion of non-	communities on the east side of Highway 50.
	native, disturbance tolerant plant species. In order to	
	widen Highway 50, portions of these vegetation	
	communities adjacent to the roadway will be displaced	
	A number of planted trees located along the Highway	
	50 corridor may also be impacted by the grading area	
	proposed. A number of TRCA species of concern are	
	present within the study area, but are planted within	
	manicured areas. Overall, these impacts can be	
	addressed through appropriate environmental	
	mitigation measures to reduce vegetation removals,	
	protect existing trees and the use of native species to	
	replace removals.	
Aquatic Species and Habitat		tCulvert extensions same as Option 1, but grading shift
Aquatic Species and Habitat	fish habitat – no Harmful Alteration Destruction	to downstream (east) sides may slightly alter more of
		the watercourses. However increases on east side may
	Distuptions (IIADDs), out function must be maintained	be offset by decreases on west side. No HADDs, but
		function must be maintained.
COSTS		
0515		
Property Acquisition	Requires less property on the east side of Highway 50.	Requires more property on the east side of Highway 50,
		in the vicinity of the cemetery.
RECOMMENDATION	Meets objectives of the Problem Statement since	Meets objectives of the Problem Statement since
	capacity and operations will be significantly improved	capacity and operations will be significantly improved
	over existing conditions; however involves potential	over existing conditions. This alternative avoids
	grading impacts to the Shiloh Cemetery which would	impacts to the Shiloh cemetery; however, results in the
	require compliance with the Cemeteries Act.	removal of the house opposite (BHR 4).
	Not Recommended	Recommended
		Kuunnutu

NOTE: Travel Demand Management initiatives (transit, walking, biking) and Operational Improvements (signal timing/phasing, speed) are recommended in conjunction with widening.

Impacts on the following are equal and therefore have been removed from the list.

Land Use and Social-Economic

- Business Impacts
- Noise Impacts

City Building

- Supports OP and Secondary Plan Objectives
- Streetscaping

Transportation Service

- Corridor Capacity and Level of Service
- Traffic Safety within the Study Area
- Accommodation for Pedestrians and Cyclists within the Study Corridors
- Accommodation of Truck Traffic
- Accommodation of Transit Service / Accessible Transportation
- Transportation Network Considerations

Natural Environment

- Stormwater/Drainage
- Wildlife
- Air Quality
- Sustainability

Implementation

- Construction feasibility
- Staging opportunities

Costs

- Utility Relocation
- Capital Costs

Table 3: Evaluation of Design Alternatives for the Mayfield Road widening

Legend:



Least Preferred

FACTOR TRANSPORTATION SERVICE		Option 2 WIDEN EQUALLY ON BOTH SIDES WITH SOUTHERLY SHIFT IN VICINITY OF PILLSWORTH ROAD & A SIGNALIZED INTERSECTION AT PILLSWORTH Involves widening Mayfield Road on both the north and south sides of the existing centreline to accommodate 4 travel lanes (2 per direction) while providing a slight southerly shift in the vicinity of Pillsworth Road	Option 3 WIDEN EQUALLY ON B SHIFT IN VICINITY OF ROUNDABOUT AT PILL Involves widening Mayfield of the existing centreline to a direction) while providing a slight southerly shift in the v
Corridor Capacity and Level of Service	Alleviates congestion on Mayfield Road due to two additional lanes per direction as well as on other roads in the area that would otherwise have to take the extra load.	Alleviates congestion on Mayfield Road due to two additional lanes per direction as well as on other roads in the area that would otherwise have to take the extra load.	Alleviates congestion on Ma per direction as well as on ot otherwise have to take the ex amount of vehicle delay and turns.
Traffic Safety within the Study Area	Potential improvement in safety performance due to the installation of double westbound left turn lanes at Highway 50, maintenance of two-Way-Left-Turn-Lane in the centre of the street and an increase in the number of traffic lanes. Additional lanes for pedestrians to cross.	Potential improvement in safety performance due to the installation of double westbound left turn lanes at Highway 50, maintenance of two-Way-Left-Turn-Lane in the centre of the stree and an increase in the number of traffic lanes. Additional lanes for pedestrians to cross. Improved visibility through the Pillsworth intersection	Potential improvement in saf of double westbound left turn two-Way-Left-Turn-Lane in in the number of traffic lanes Additional lanes for pedestri Roundabouts lower operation vehicle conflict points, elimi it is anticipated that fewer far anticipated lower approach s
Accommodation for Pedestrians and Cyclists within the Study Corridors	Cyclists and pedestrians to be accommodated by combined pathway in the boulevard on the south side of Mayfield Road and sidewalk on the north side of Mayfield Road.	Cyclists and pedestrians to be accommodated by combined pathway in the boulevard on the south side of Mayfield Road and sidewalk on the north side of Mayfield Road.	Cyclists and pedestrians to b in the boulevard on the south the north side of Mayfield R Splitter islands are provided area so that pedestrians and o one direction (2 lanes) of tra points. Crossing distance is s Additional technologies wou visually impaired persons cro and education would be nece
NATURAL ENVIRONMENT			
Air Quality	Negligible impact in air quality due to larger volumes of vehicles idling at intersections but improved traffic flow resulting in less delay.	Negligible impact in air quality due to larger volumes of vehicles idling at intersections but improved traffic flow resulting in less delay.	Negligible impact in air qual idling at intersections but im delay.; however at the interse roundabouts generally have a stopping activity, hence mor
RECOMMENDATION			

BOTH SIDES WITH SOUTHERLY F PILLSWORTH ROAD AND LISWORTH ROAD

ld Road on both the north and south sides o accommodate 4 travel lanes (2 per a roundabout at Pillsworth Road and a vicinity of Pillsworth Road.



Mayfield Road due to two additional lanes other roads in the area that would extra load. A roundabout would reduce the nd provides opportunity for making u-

safety performance due to the installation urn lanes at Highway 50, maintenance of in the centre of the street and an increase nes.

trians to cross.

tional speeds, provide fewer vehicle-

minate potential right angle collisions and fatal collisions will occur based on the n speeds.

b be accommodated by combined pathway uth side of Mayfield Road and sidewalk on Road.

ed in the design to create a midpoint refuge d cyclists are only dealing with crossing traffic flow at a time with fewer conflict is shorter and vehicle speeds are slower. ould be required to accommodate for crossing roundabouts. Specific training ecessary.



uality due to larger volumes of vehicles improved traffic flow resulting in less rsection with Pillsworth Road, ve reduced vehicle emissions due to less ore environmentally friendly.



	Meets objectives of the Problem Statement since capacity and operations will be significantly improved over existing conditions. There will be grading and property impacts to 4 residential properties near Pillsworth Road. Not Recommended	Road; however, provides status quo with signalized intersection at Pillsworth Road. Not Recommended	Meets objectives of the Prob operations will be significant Minimizes impacts to 4 resid Provides additional safety fe to the corridor due to the rou Recommended
--	--	--	---

NOTE: Travel Demand Management initiatives (transit, walking, biking) and Operational Improvements (signal timing/phasing, speed) are recommended in conjunction with widening.

Impacts on the following are equal and therefore have been removed from the list.

Land Use and Social-Economic

- Business Impacts
- Noise Impacts
- Archaeological Resources Impacts
- Cultural Heritage Resources Impacts

City Building

- Supports OP and Secondary Plan Objectives
- Streetscaping

Transportation Service

- Accommodation of Truck Traffic
- Accommodation of Transit Service /Accessible Transportation
- Transportation Network Considerations

Natural Environment

- Stormwater/Drainage
- Vegetation
- Wildlife
- Aquatic Species and Habitat
- Sustainability

Implementation

- Construction feasibility
- Staging opportunities

Costs

- Utility Relocation
- Capital Costs
- Property Acquisition

bblem Statement since capacity and untly improved over existing conditions. sidential properties near Pillsworth Road. features through reduced speed and delay bundabout at Pillsworth Road.





Summary of Recommended Design Concept

The **Highway 50** preliminary recommended design proposes:

- 1. Widening about the centre-line between Mayfield Road and Castlemore Road to a 6 lane configuration.
- 2. A full urban cross-section to be implemented as development proceeds.
- 3. The easterly shift to avoid impacts to Shiloh Cemetery.
- 4. A 3.0m multi-use trail along the west side.

5. A 1.5m sidewalk along the east side.

6. External roadside ditches along the corridor to intercept existing drainage from farm fields.

The Mayfield Road preliminary recommended design proposes:

- 1. Widening about the centre-line between Highway 50 and Coleraine Road to a 4 lane configuration.
- 2. A roundabout at the Mayfield Road and Pillsworth Road intersection.
- 3. A full urban cross-section to be implemented as development proceeds.
- 4. The southerly shift to reduce impacts on four existing residential properties.
- 5. A 3.0m multi-use trail along the south side.

6. A 1.5m sidewalk along the north side.

7. External roadside ditches along the corridor to intercept existing drainage from farm fields.







Impacts and Mitigation Measures

Natural Heritage Factor	Potential Impacts	Recommended Mitigation
Soils	Soil disturbance during construction may result in erosion and sedimentation.	An erosion and sediment control plan will be prepared and implemented before construction and maintained during construction operations. The ESC plan will be require TRCA approval as part of the permitting process during detail design.
Fish and Aquatic Habitat	Potential for the harmful alteration, disruption or destruction (HADD) of fish habitat.	Environmental protection measures will be implemented to avoid impacts to fish habitat. A timing restriction will be applied to construction at or near watercourses. No aquatic species at risk are known to inhabit the watercourses; however, all watercourses within the study area convey flows to Redside Dace habitat downstream. As such, MNR Provincial Policy will be followed.
		Erosion and sediment controls will be implemented before and during construction to prevent erosion of sediments into watercourses. The ESC plan will be require TRCA approval as part of the permitting process during detail design.
Vegetation and Vegetation Communities	nRemoval of cultural meadow vegetation communities throughout the study area.	The cultural meadow vegetation communities are highly disturbed and contain a high proportion of non-native species. The removal of these portions of cultural meadow habitat will not be significant.
	Removal of planted trees along the study area to accommodate the improvements.	Trees will be planted to compensate for the removal of existing trees along the Highway 50 and Mayfield Road corridors. Where possible, efforts should be made to avoid impacts to species considered rare or uncommon by the TRCA. Transplanting, where feasible, should be undertaken for these species.
Wildlife and Wildlife Communities	Potential for removal of and disturbance to wildlife habitat.	The vegetation communities impacted contain agricultural and urbanized areas with low habitat structure/diversity and limited habitat potential. Widening and improvements to Highway 50 and Mayfield Road will have limited effect on wildlife and habitat utilized by wildlife.
		To meet the requirements of the Migratory Birds Convention Act, no vegetation removals should occur during the nesting season. With several exceptions, this includes the period from April 1 to July 31. If vegetation clearing is required during this period, a bird nest survey should be carried out by a qualified avian biologist prior to construction.
		During field investigations, suitable habitat for Bobolink (Dolichonyx oryzivorus) was identified, as this species typically nests in agricultural fields. Recently, Bobolink has been added to the Species at Risk in Ontario List, and is now regulated as "Threatened" under the Ontario Endangered Species Act. The potential presence of this species should be further investigated at the EA stage in order to identify any constraints.
Noise	An increase in noise levels at OLA's of more than 5 dBA.	Most of the residential properties are not eligible for noise mitigation since they are not reverse frontage or side flanking. For the lots that are eligible, a sound level reduction of 5 dBA or more is not be feasible and therefore sound walls are not recommended.
Archaeology	Potential impacts in the vicinity of Shiloh Cemetery.	A Stage 2 assessment at the Shiloh cemetery lands will be undertaken in the Spring of 2011. This work will be done in accordance with the Ministry of Tourism and Culture's Draft Standards and Guidelines for Consultant Archaeologists (2009), in order to confirm the absence of unmarked graves within the ROW. This work will involve the removal of the topsoil with a Gradall followed by the shovel shining of the exposed surfaces and subsequent inspection for grave shafts. The recommended design for Highway 50 shifts the centre alignment to the east to avoid impacts to the cemetery.
	Potential impacts to lands with archaeological potential.	A Stage 2 assessment will be undertaken in Spring of 2011, in accordance with Ministry of Tourism and Culture's 2009 Draft Standards and Guidelines for Consultant Archaeologists, to assess areas with archaeological potential beyond the disturbed ROW.
Built and Cultural Heritage	ePotential for direct impacts to BHR 4, farmhouse located at 10951 Highway 50.	A Heritage Impact Assessment (HIA) will be undertaken for this property in the Spring of 2011. The purpose of the HIA is to carry out more in-depth historic research on the property, to complete a field review (usually involving a review of the exterior and interior of the house and the property), and based on the results of field review and research, evaluate the structure to determine its heritage significance and recommend appropriate mitigation measures.
	Indirect Impacts to Cultural Heritage resources through encroachment.	Construction activities should be planned so as to ensure that associated vibration impacts do not adversely impact resources set in close proximity to road right of ways.
		Wherever possible, historic roadscapes and agricultural landscapes should be maintained through the use of landscaping with historic plant materials for berms or vegetative screens, and hedge rows should be preserved where extant.
		When detailed plans are complete, a qualified heritage consultant should identify specific indirect impacts of the undertaking to cultural heritage resources determined to be in close proximity to the Highway 50 and Mayfield Road alignments (BHR 1, BHR 3, BHR 4, CHL 2 – CHL 5, CHL 10) and to develop appropriate mitigation measures.
Water Quality	Potential for impacts to water quality.	Short-term Stormwater Management will be provided by oil-grit separators. Long-term Stormwater Management will be provided by stormwater management ponds to be provided by adjacent developments.
Land Acquisition	Potential for acquisition of property.	Property will be required for the recommended design. Affected property owners will be contacted.







Next Steps

The next steps for the Class Environmental Assessment are:

- Receive public comments by May 13, 2011;
- Review and consider public and agency input;
- Finalize the preferred design after reviewing comments;
- Complete detailed impact analysis;
- Finalize proposals for mitigation of negative effects;
- Prepare and File Environmental Study Report; and
- Post the Notice of Study Completion.

If you wish to be on our mailing list, require further information, or provide input to the study, you can contact us in the following ways:

Mr. Richard J. Sparham Project Manager, Region of Peel 9445 Airport Road, 3rd Floor Brampton ON L6S 4J3 Tel: 905-791-7800 ext. 7825 Fax: 905-791-1442 Email: richard.sparham@peelregion.ca

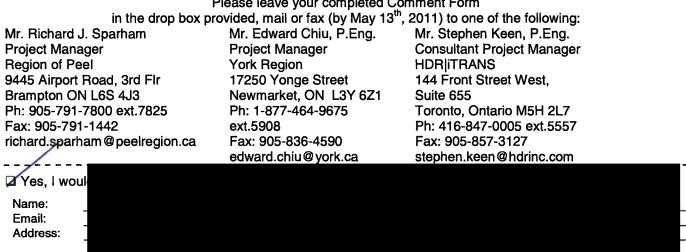
Stephen Keen, M.Sc., P.Eng. Consultant Project Manager HDR | iTRANS Consulting Inc. 144 Front Street West, Suite 655 Toronto, Ontario, M5J 2L7 Tel: 416-847-0005, Ext. 5557 Fax: 416-597-3127 E-mail: Stephen.Keen@hdrinc.com Edward Chiu P. Eng. Project Manager, York Region 17250 Yonge Street Newmarket ON L3Y 6Z1 Tel: 1-877-464-9675 ext. 5908 Fax: 905-836-4590 Email: edward.chiu@york.ca

hank You!



Region of Peel Working for you Y	ork Region	Highway 50 and Mayfield Road Class Environmental Assessment
Pu		April 27, 2011
Centre? (Check all Local Newspaper Road Side Sign Mailed-out Advertis Other (Specify)	bout this Public Information applicable)	 3. My property interest is (Check all applicable) Direct Access on to Hwy 50 or Mayfield Rd. Residential Property Business / Commercial Industrial Other (Specify) 4. I would like a reply back to my comments: Yes No
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en en en die personen en	ere e de l'anne e de la Millere e de la Company	
in the dro Mr. Richard J. Sparham	Please leave your cor op box provided, mail or fax (b Mr. Edward Chiu, F	npleted Comment Form y May 13 th , 2011) to one of the following: P.Eng. Mr. Stephen Keen, P.Eng.
Project Manager	Project Manager	Consultant Project Manager
Region of Peel 9445 Airport Road, 3rd Flr	York Region 17250 Yonge Stree	
Brampton ON L6S 4J3 Ph: 905-791-7800 ext.7825	Newmarket, ON L Ph: 1-877-464-967	
Fax: 905-791-1442	ext.5908	Ph: 416-847-0005 ext.5557
richard.sparham@peelregi	on.ca Fax: 905-836-4590 edward.chiu@york	
ú Yes, I would like to have	my name added to the project	
Name:		-
Email: Address:		
		nny me study and will be included in study documentation.
		ments received will become part of the public record.

Region of Peel Working for you York Region	Highway 50 and Mayfield Road Class Environmental Assessment				
Public Information Centre #2: Comment Form Wednesday, April 27, 2011					
 Where do you live? City of Brampton City of Vaughan Town of Caledon Other (Specify) Other (Specify) Local Newspaper Róad Side Sign Mailed-out Advertisement Other (Specify) Are there any issues with the Highway 50 and Mayfi identified that should be addressed in this study? Plat the material and displays you have seen today? 	 3. My property interest is (Check all applicable) Direct Access on to Hwy 50 or Mayfield Rd. Residential Property Business / Commercial Industrial Other (Specify)				
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Please leave your cor	mpleted Comment Form				



Information received will be maintained on file for use during the study and will be included in study documentation. With the exception of personal information, all comments received will become part of the public record.

Region of Peel Working for you York R	egion	Highway 50 and Mayfield Road Class Environmental Assessment			
Public Information Centre #2: Comment Form Wednesday, April 27, 2011					
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in the drop box Mr. Richard J. Sparham Project Manager Region of Peel 9445 Airport Road, 3rd Flr Brampton ON L6S 4J3 Ph: 905-791-7800 ext.7825 Fax: 905-791-1442 richard.sparham@peelregion.ca	Please leave your completed C provided, mail or fax (by May 13 Mr. Edward Chiu, P.Eng. Project Manager York Region 17250 Yonge Street Newmarket, ON L3Y 6Z1 Ph: 1-877-464-9675 ext.5908 Fax: 905-836-4590 edward.chiu@york.ca	Comment Form th, 2011) to one of the following: Mr. Stephen Keen, P.Eng. Consultant Project Manager HDR iTRANS 144 Front Street West, Suite 655 Toronto, Ontario M5H 2L7 Ph: 416-847-0005 ext.5557 Fax: 905-857-3127 stephen.keen@hdrinc.com			
Yes, I would like to have my na Name: Email: Address:	me added to the project mailing	list.			

Information received will be maintained on file for use during the study and will be included in study documentation. With the exception of personal information, all comments received will become part of the public record.

Region of Peel Working for you	York Region	Highway 50 and Mayfield Road Class Environmental Assessment		
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Mr. Richard J. Sparham Project Manager Region of Peel 9445 Airport Road, 3rd F Brampton ON L6S 4J3 Ph: 905-791-7800 ext.78 Fax: 905-791-1442 richard.sparham@peelre	Mr. Edward Chiu Project Manager York Region Fir 17250 Yonge Stu Newmarket, ON 825 Ph: 1-877-464-9 ext.5908	u, P.Eng. Mr. Stephen Keen, P.Eng. r Consultant Project Manager HDR iTRANS treet 144 Front Street West, I L3Y 6Z1 Suite 655 9675 Toronto, Ontario M5H 2L7 Ph: 416-847-0005 ext.5557 590 Fax: 905-857-3127		
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Region of Peel Working for you Highway 50 and Mayfield Road **Class Environmental Assessment** York Region Public Information Centre #2: Comment Form Wednesday, April 27, 2011 1. Where do you live? 3. My property interest is (Check all applicable) City of Brampton Direct Access on to Hwy 50 or Mayfield Rd. City of Vaughan Residential Property Town of Caledon Business / Commercial Other (Specify) Industrial Other (Specify) _ 2. How did you hear about this Public Information Centre? (Check all applicable) 4. I would like a reply back to my comments: Ú Local Newspaper Yes M Road Side Sign D No Mailed-out Advertisement Other (Specify) 5. Are there any issues with the Highway 50 and Mayfield Road preliminary recommended design that were not identified that should be addressed in this study? Please explain. Do you have any other comments regarding the material and displays you have seen today? 45 RESIDENT OF COLERAINE DRIVE SOUTH OF COUNTRY-A INTERSECTION OF COLERAI, CONCERNED IN THE GHINAY 50 LINSAFF FEN 16 \mathcal{O} CEM С. RNCKC ~ ANFORM しい \mathcal{D} \mathbf{N} Л NUR Δ

From:

Sent: April 28, 2011 11:57 AM To: Sparham, Richard Subject: Notice of Public Info Centre #2 Project No. 09-4390 Importance: High

Hi Richard,

I am in receipt of your letter dated April 15, 2011 regarding Hwy 50 Class EA. Please be advised that Eddy Chan is no longer with As such, please address all future correspondence to my attention.

Thanks in advance.

Regards,



From: Sent: April 28, 2011 9:18 AM To: Sparham, Richard Subject: Class EA, Highway 50 from Castlemore Road/Rutherford Road to Mayfield Road...

Richard,

I am in receipt of a Notice for PIC regarding the above captioned EA.

The notice only arrived today and as such, we were unable to attend the PIC.

Please accept this correspondence as sufficient confirmation from our office requesting updates and any other available information pertaining to the EA.

Thank you,



From: Keen, Stephen Sent: Wednesday, May 11, 2011 9:52 AM To: C: Sparham, Richard; Edward Chiu (edward.chiu@york.ca) Subject: RE: HWY 50 and Mayfield Class EA Study

You will be added to our list – please note the names of the new Peel/York contacts (above) for this project. It should be noted that the recent PIC was the second of the two planned PICs for this project. A final ESR will be produced over the next few months.

Stephen Keen, M.Sc., P.Eng.

Senior Project Manager

HDR | iTRANS

144 Front Street W, Suite 655 | Toronto, ON | M5H 2L7 Phone: 416.847.0005 x 5557 | Fax: 416.857.3127 | Email: <u>stephen.keen@hdrinc.com</u> <u>www.hdrinc.com</u> www.itransconsulting.com

From

Sent: Tuesday, May 10, 2011 8:16 PM To: solmaz.zia@peelregion.ca; nick.colarusso@york.ca; Keen, Stephen Subject: HWY 50 and Mayfield Class EA Study

Hi all,

I would formally like to request to be placed on the list for notification of any further meetings, decisions, or materials that are released to the public relating to the ongoing process associated with the HWY 50 and Mayfield Class EA. A former colleague of ours, was on this list, however he is no longer with the firm. I request that all correspondence and materials to my attention instead.

Please kindly confirm that I have been added.

Kind regards,

From: Sent: Tuesday, May 31, 2011 12:36 PM To: Keen, Stephen Subject: RE: Class Environmental Assessment for Highway 50

Thanks for the update.

Can I assume your reply means that I have been added to the consultation list and will be receiving future communications, such as the notice of completion?



From: Keen, Stephen [mailto:Stephen.Keen@hdrinc.com] Sent: Tuesday, May 31, 2011 12:35 PM

To:

Cc: nick.colarusso@york.ca; Baudais, Nathalie **Subject:** RE: Class Environmental Assessment for Highway 50

Richard Sparham (Peel) and Edward Chiu (York) are the new Regional representatives on this project. We have held the 2 Public Information Centres planned for this project. Our next step will be to refine the preliminary design and associated mitigation based on comments received at the PIC.

Our next point of contact will be to publish a notice of completion sometime in September. If you need further information in the meantime or have any concerns, please do not hesitate to contact me or one of the above.

Stephen Keen

From:

Sent: Tuesday, May 31, 2011 9:27 AM To: solmaz.zia@peelregion.ca; nick.colarusso@york.ca; Keen, Stephen Subject: Class Environmental Assessment for Highway 50

Hello,

Could you please add my to the consultation list concerning the class EA for Highway 50 from Castlemore Road/Rutherford Road to Mayfield Road/Albion Vaughan Road.

Please confirm when I have been successfully added the consultation list and can expect to start receiving updates.

I look forward to hearing from you and learning more about this EA.

Regards,



From: Keen, Stephen Sent: Friday, April 29, 2011 1:48 PM To: Sparham, Richard Cc: Baudais, Nathalie Subject: Mayfield Resident

A Mayfield Road (northside) resident **property** phoned to express her concerns over the amount of property we are showing required. She owns one of the 3 houses in a row that we tried to avoid. She rightly noted that the construction stops short of her trees and property but we still show a property purchase. I explained to her that the 50m ROW is an indication of the Official Plan ROW requirement and that we had moved the road alignment to the south at that location.

She is going to write to you to express her concerns over this issue.

Stephen Keen, M.Sc., P.Eng.

Senior Project Manager

HDR | iTRANS

144 Front Street W, Suite 655 | Toronto, ON | M5H 2L7 Phone: 416.847.0005 x 5557 | Fax: 416.857.3127 | Email: <u>stephen.keen@hdrinc.com</u> <u>www.hdrinc.com</u> <u>www.itransconsulting.com</u>