

# Using Road Character to Educate, Engage, Empower

the MOBOW story

**M**ississauga Rd., **O**ld Main St., **B**ush St., **O**lde Base Line Rd., **W**inston Churchill Blvd.

CITE Regina 2015



# Agenda

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- Peel Region and Policy Context
- Pillars for the Project
- Study Area and Project Description
- Municipal Class EA
- What we did:
  - Enhanced Consultation
  - Context-Sensitive Design
- Concluding Remarks

# Peel Region Context

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Diversity of



people



landscapes



cities/towns



# Pillars for the Project

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- Context-Sensitive Design
  - protecting the rural character
- Planning with People
  - “face-to-face” consultation
- Balancing Expectations
  - engage, educate, empower

# Engage

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- Public consultation beyond Municipal Class EA requirements
  - Additional Open House
  - Community Working Group (CWG) meetings and individual CWG member interviews
  - Project newsletters



# Educate

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- Explain the EA process
- Clarify what this particular EA is and is not about
- Role of parallel Regional studies and policy context
  - Road Characterization Study (RCS)
  - Strategic Goods Movement Network Study (SGMNS)

Region of Peel's  
Road Characterization Study  
May 2013



Region of Peel  
Working for you



STRATEGIC GOODS MOVEMENT NETWORK STUDY  
Technical Report >>



25 April 2013



# Empower

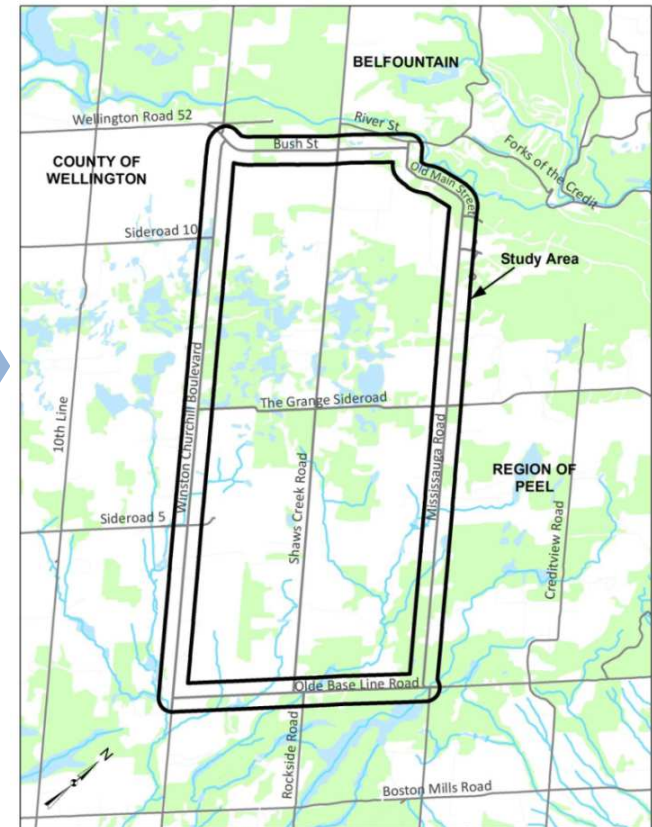
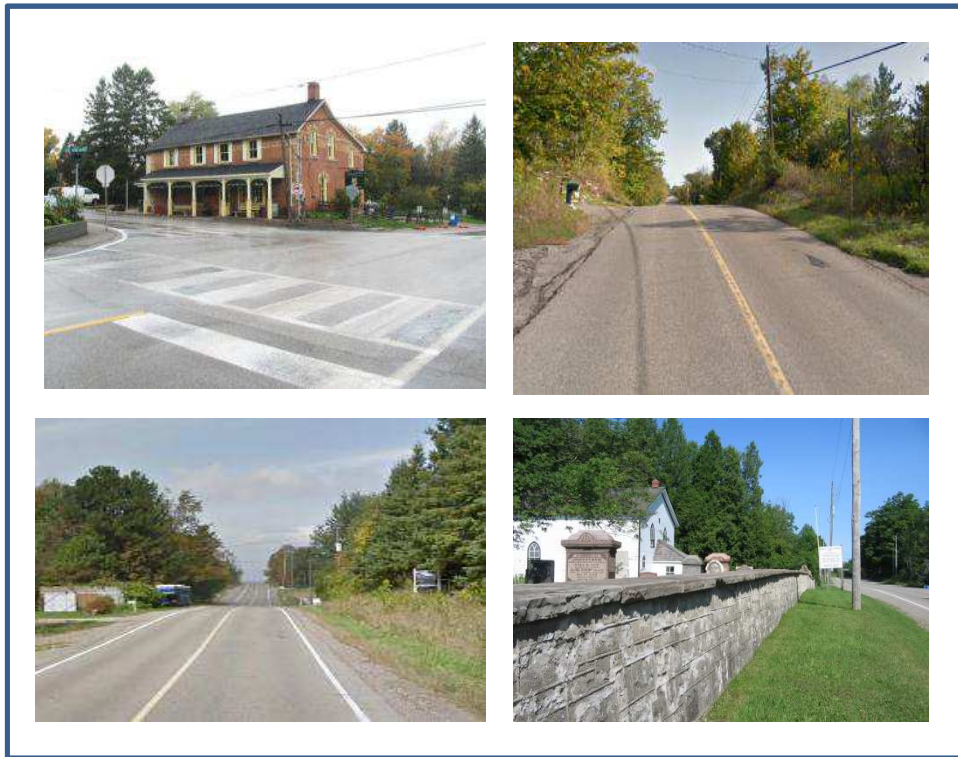
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- Allow the community to provide meaningful input to define the problem and develop the solution
- Incorporate public's vision for their community into the final design, as feasible

# Study Area / History

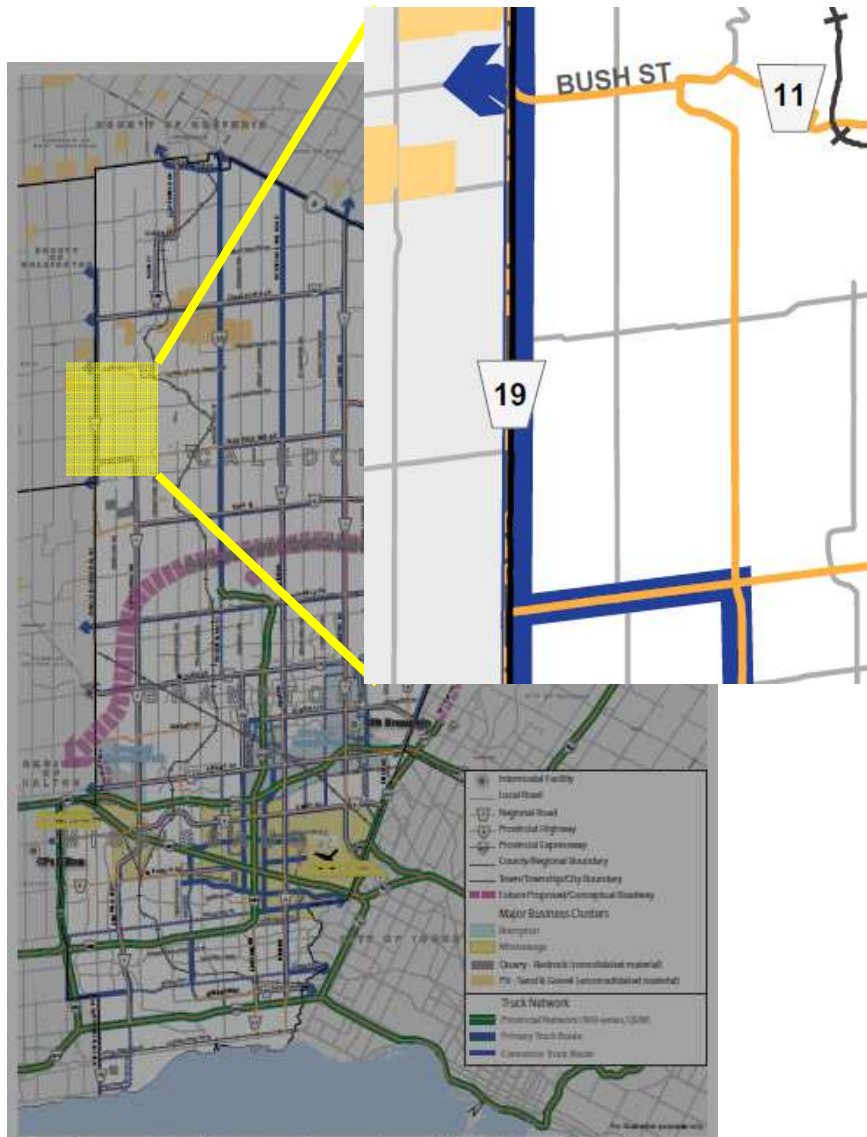
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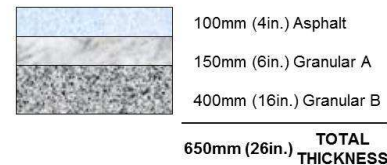
# Designated Truck Routes

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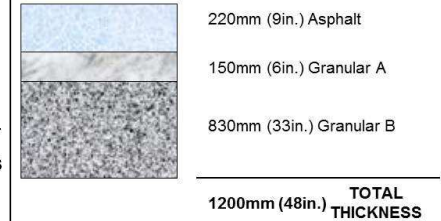
This area is not designated for significant future growth, therefore the volumes will remain relatively constant. There is no need to construct the pavement to handle significant volumes of truck traffic.

### Current EA Design



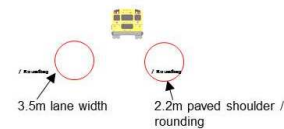
### Typical Pavement Design for High Truck Volume Regional Roads

e.g. Mayfield Road from Chinguacousy Road to Heart Lake Road



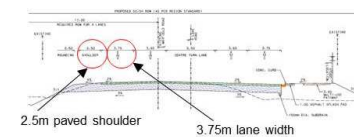
### Current EA Design

#### 2. Lane Widths



The paved shoulders will allow for safe movement of cyclists, pull over for emergency parking, and oversized agricultural equipment.

### Typical Lane Widths for High Truck Volume Regional Roads



The 3.75m lane widths permit wide truck dimensions.

### Current EA Design

#### 3. Speed

Proposed posted speeds



### Typical Posted Speed for High Truck Volume Regional Roads

e.g. Mayfield Road, Airport Road, and Highway 50



This EA is not recommending a pavement structure for high volume trucks

# Challenges & Constraints

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- Problem Statement to address sightline, drainage and pavement deficiencies
- Opportunity to enhance pedestrian safety in the Village and active transportation throughout the study area
- Major constraints:
  - Maintain existing rural character
  - Natural environmental features – NEC, Species at Risk, Greenbelt, etc.
  - Heritage/Archaeologically significant features
  - Balance interests of all road users

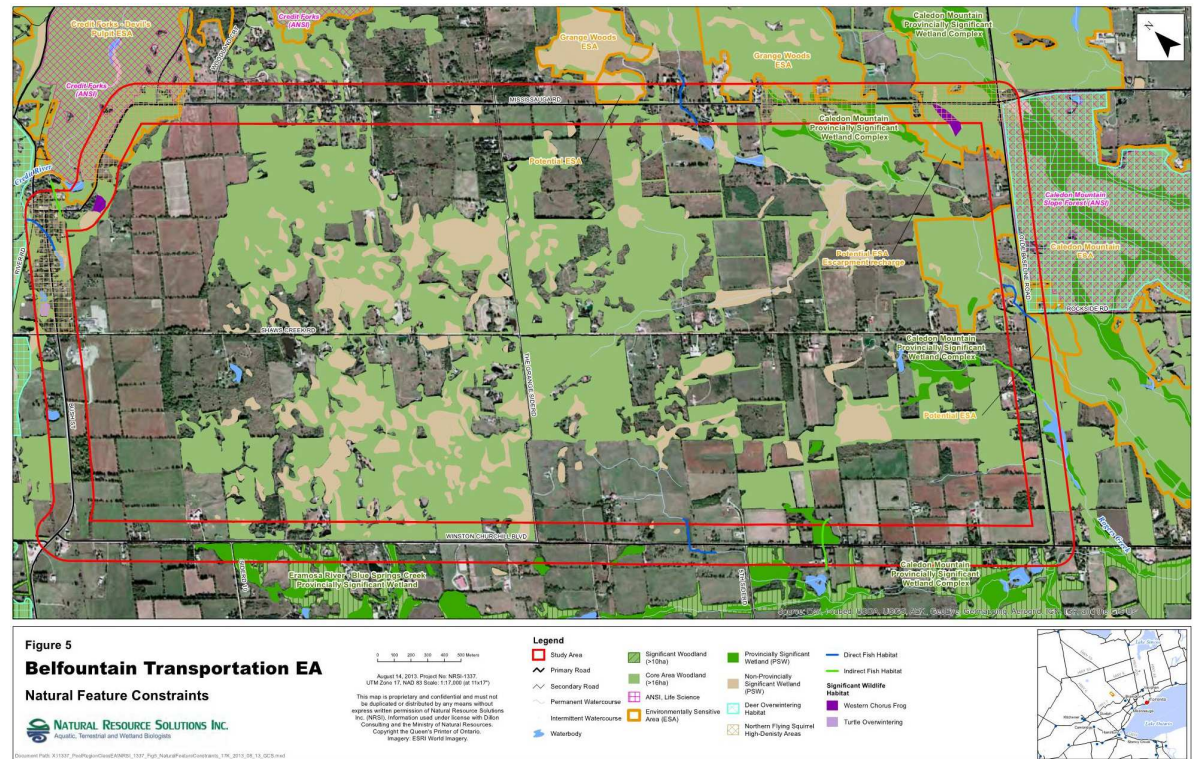
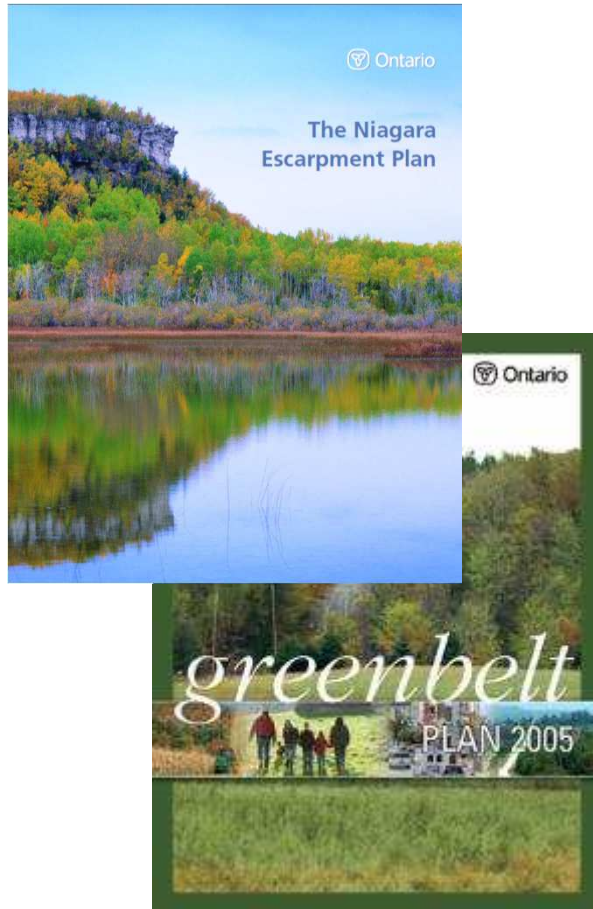
# Challenges & Constraints – Rural Character

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# Challenges & Constraints – Natural Environment

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# Challenges & Constraints – Heritage/Archaeological

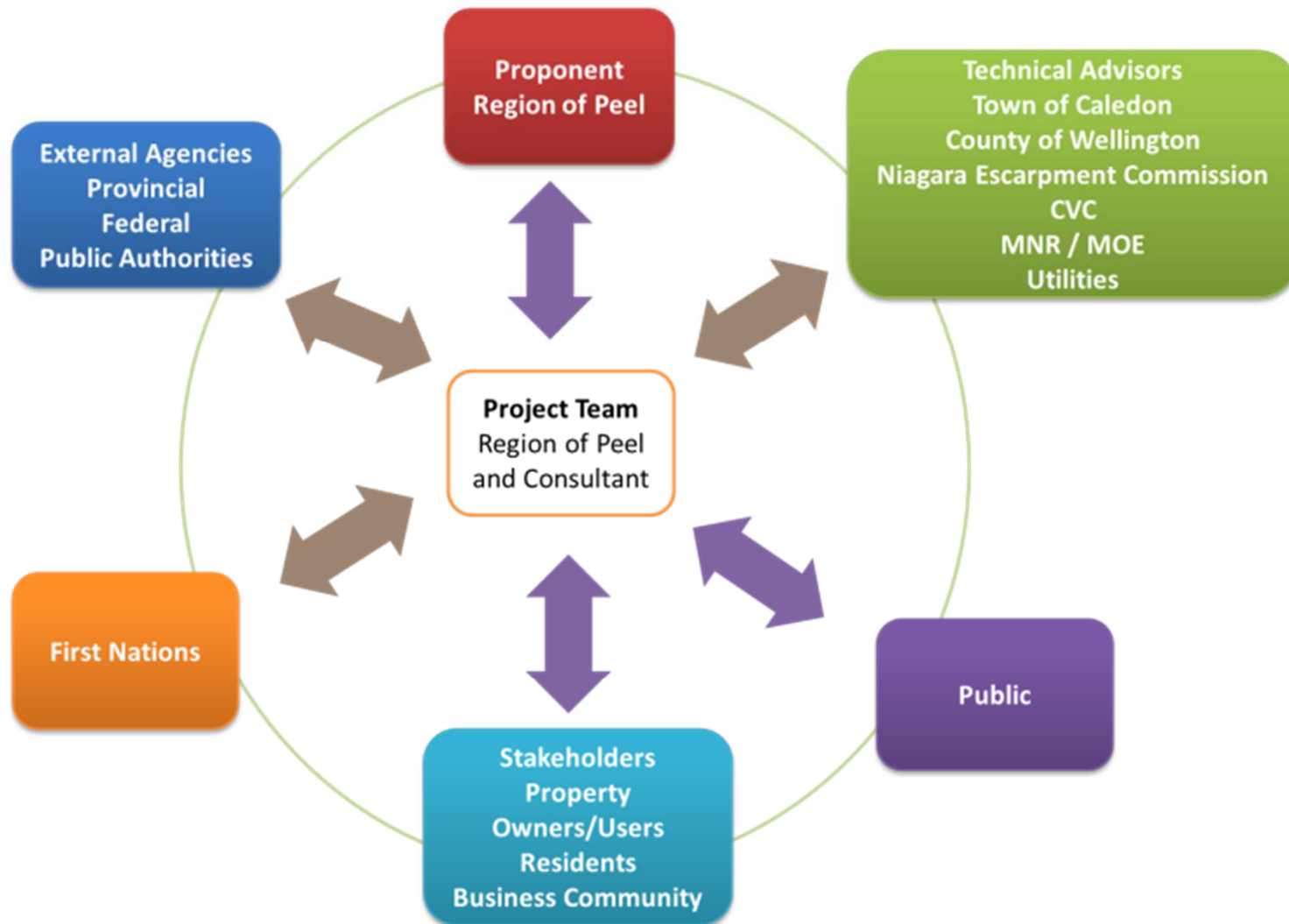
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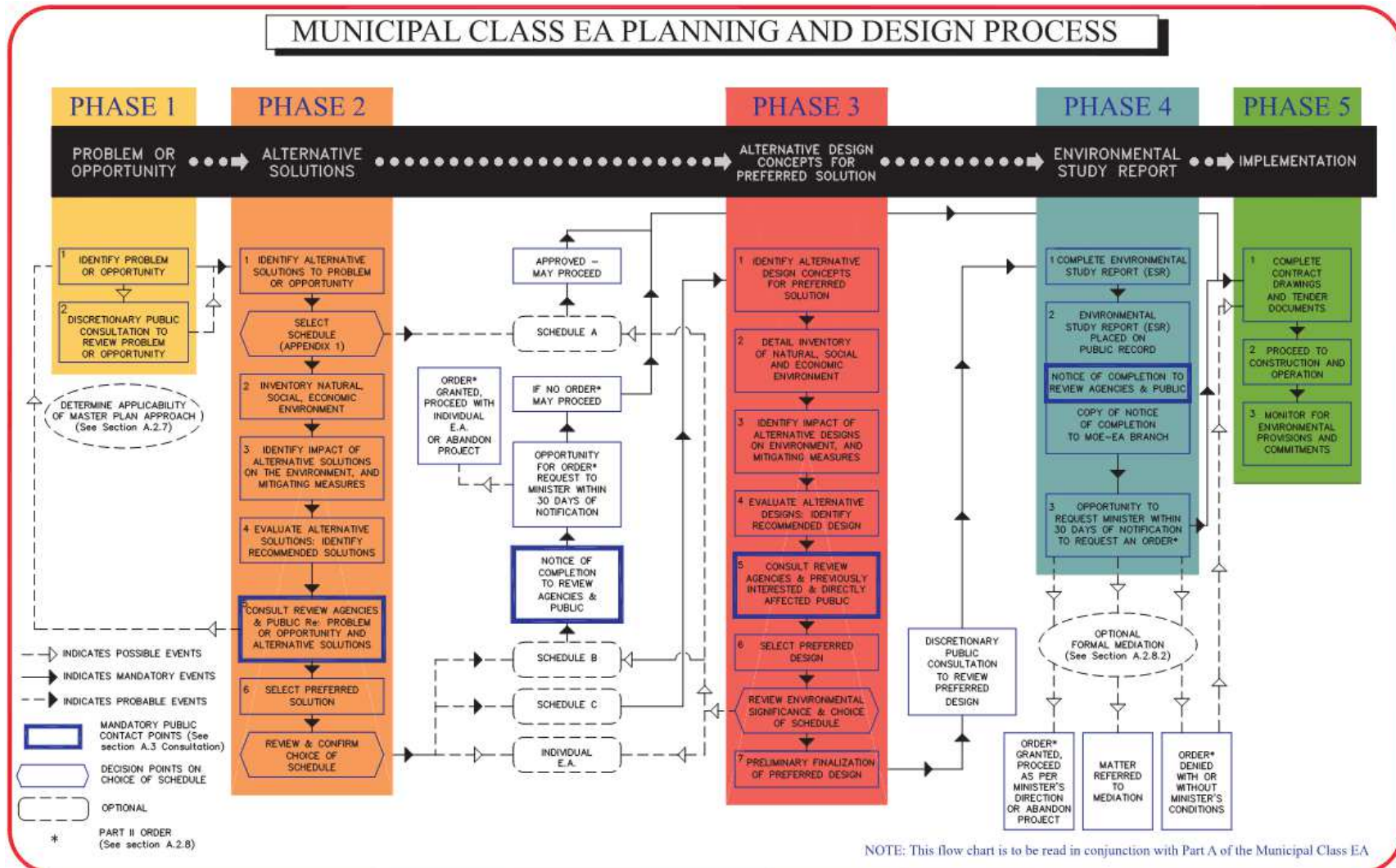
# Study Objectives & Organization

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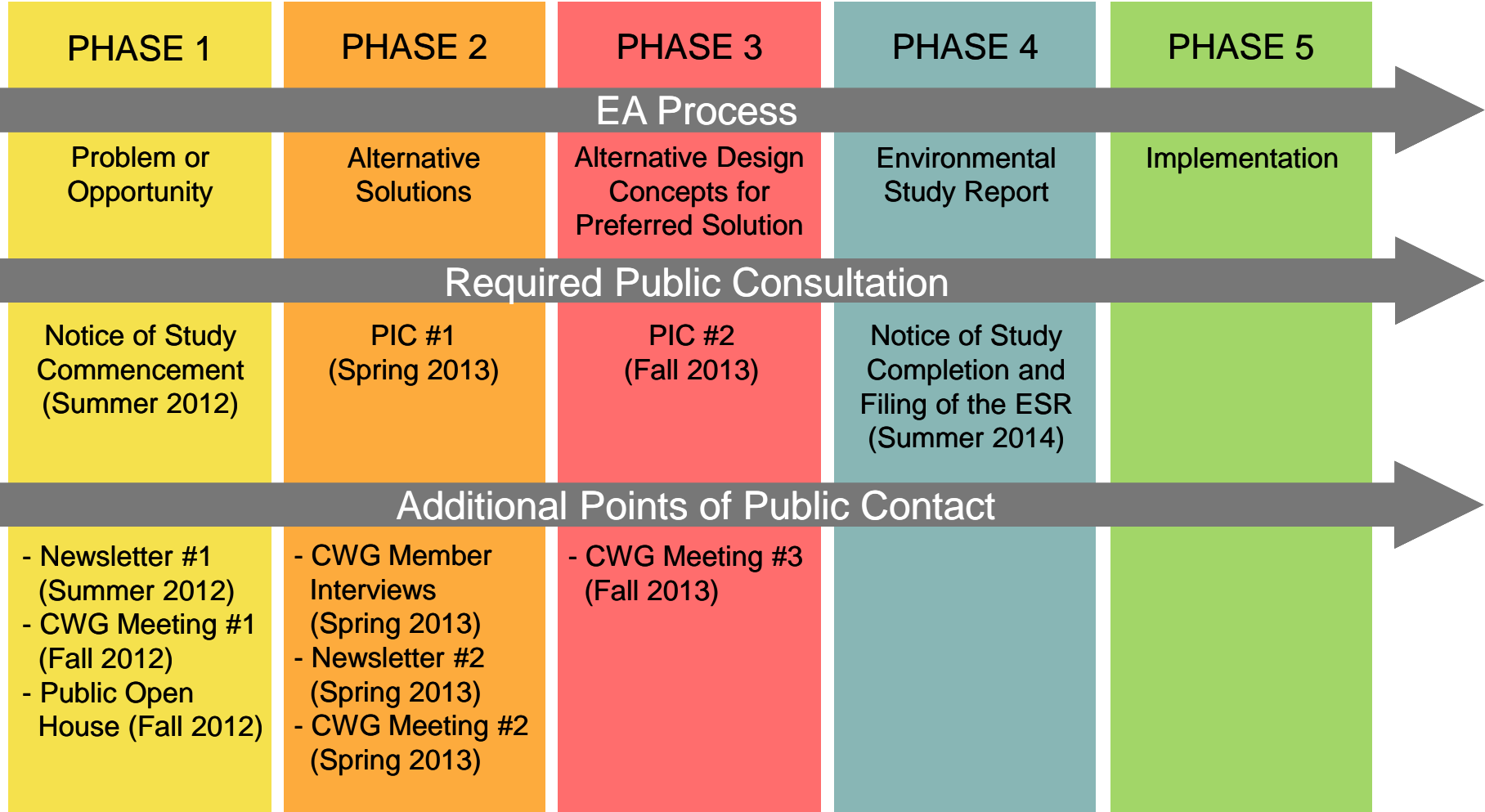
# Municipal Class EA Process

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# Beyond the Municipal Class EA Process

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# Enhanced Consultation – Benefits

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- Benefits of Enhanced Consultation include:
  - Better defined problem statement
  - Ensures all alternative solutions are identified
  - Helps lead to a better recommended design
  - Builds political support
  - Reduced risk in schedule delays and extraordinary study costs

**Municipal Class Environmental Assessment**  
APRIL 2013 Issue No. 2

**Mississauga Road, Olde Base Line Road, Bush Street, Old Main Street and Winston Churchill Boulevard Project Bulletin**

**What is this project about?**

- ✓ Rehabilitation of the roads
- ✓ Enhancing safety
- ✓ Supporting bicycling and walking

This project will not be considering road widening or increasing the number of lanes.

**Existing problems on the study area road network consist of:**

- Poor pavement conditions and drainage
- Deficient sightlines
- Safety for all road users, including safety of wildlife
- Motor vehicle accidents involving wildlife

**Context Sensitive Design Principles**

Alternative solutions will follow context sensitive design principles and maintain the rural character and countryside scenic quality of the study area.

**Please join us for our Public Information Centre**

**When:** Thursday, May 9, 2013  
6:30 p.m. – 9:00 p.m.

**Where:** Belfountain Public School  
17247 Shaws Creek Road, Caledon

Open House: 6:30 p.m. – 7:00 p.m.  
Presentation and Discussion: 7:00 p.m. – 9:00 p.m.

**How are we keeping you informed?**

- ✓ Newsletters
- ✓ Public Information Centres
- ✓ Region of Peel study website:  
<http://www.peelregion.ca/transportation/municipal-class-environmental-assessment/missauga-road-bush.htm>

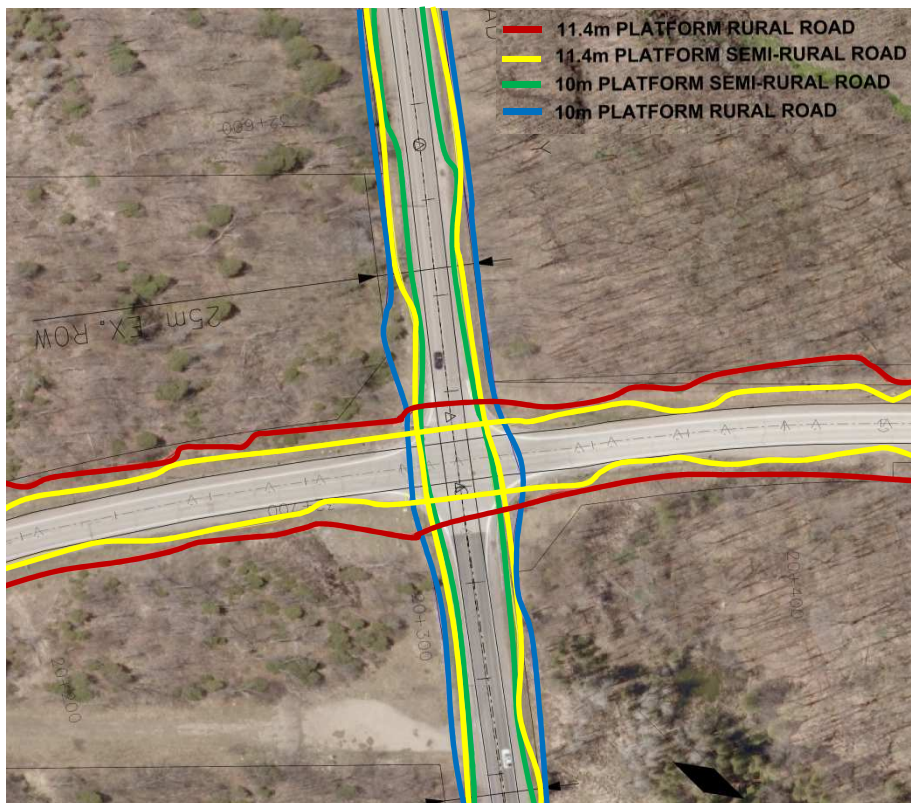
Region of Peel  
Working for you

# Context-Sensitive Design

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## Design Challenges

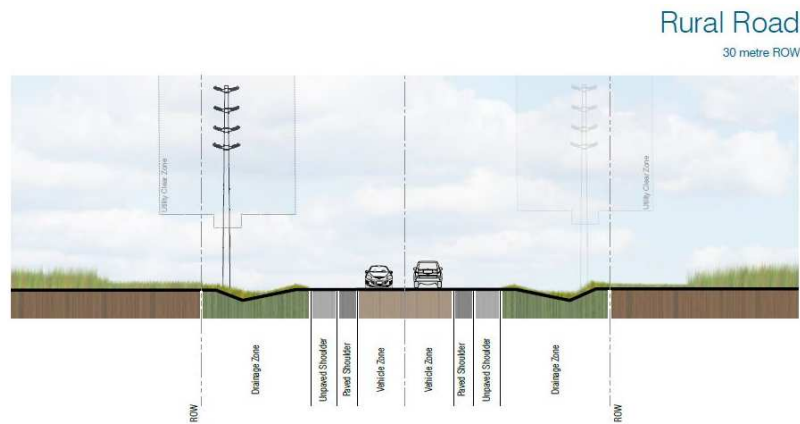
- Rolling terrain
- Wetlands
- Wildlife
- Narrow right-of-way – less than half of the designated ROW at some locations
- Multiple driveways on crests
- Sightline issues
- Cultural Heritage Features
- Cemeteries
- Inadequate drainage



# Road Characters Applied

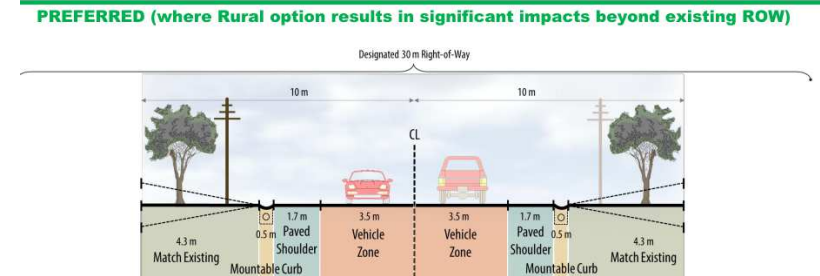
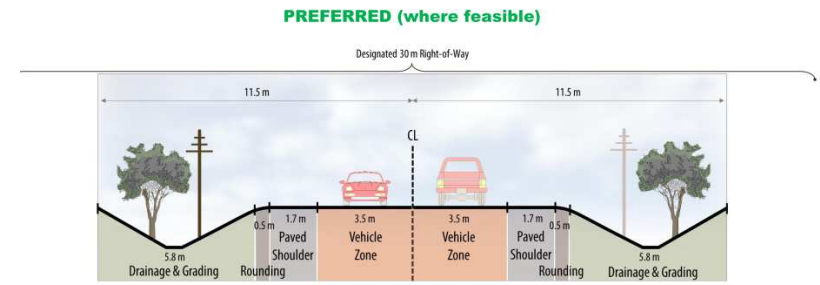
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## Rural Road Cross-Section



Zone Dimensions

Vehicle Zone (Lane Width)	Paved Shoulder	Unpaved Shoulder	Drainage Zone
3.5-3.65 metres	1.5 metre min	2.0 metres	8.0 metres



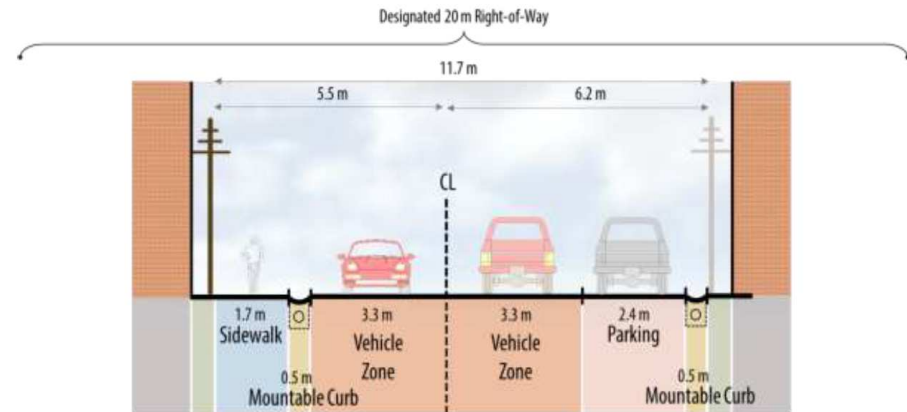
# Road Characters Applied

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## Rural Main Street Cross-Section

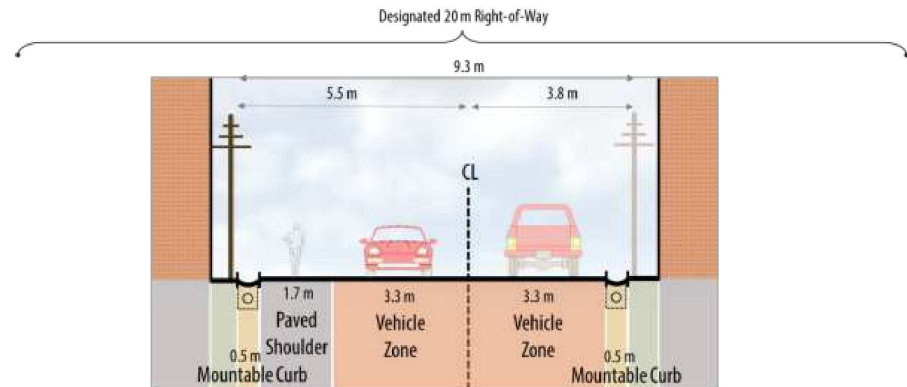
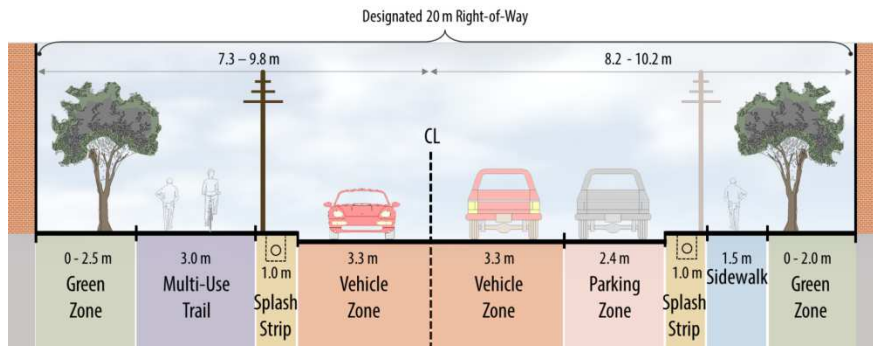
Rural Main Street

20 metre ROW



Zone Dimensions

Vehicle Zone (Lane Width)	Pedestrian Zone	Bicycle Zone	Green Zone	Splash Strip
3.4-3.65 metres	1.5 metre min	1.5 metre min	2.0 metre min	1.0 metre



# Conclusion

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- The enhanced consultation program can provide significant benefits to the proponent and community
  - Reduced risk of schedule delays and extra costs
  - Engaged community that is educated on the EA process and study goals, and is empowered through the decision making process
  - Reduced public opposition and results in an outcome that is understood and supported by the broader community

# Questions? / Contact

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**Steve Ganesh, MCIP, RPP**

Region of Peel

Manager, Infrastructure Programming  
& Studies

Transportation Division | Public Works

10 Peel Centre Dr, Suite B, 4th Floor

Brampton, ON L6T 4B9

Steve.Ganesh@peelregion.ca

Tel: (905) 791-7800 ext. 7824

**Tyrone Gan, P.Eng.**

HDR

Project Manager

100 York Boulevard, Suite 300

Richmond Hill, ON L4B 1J8

Tyrone.Gan@hdrinc.com

Tel: (289) 695-4622

**P. Gino Dela Cruz, P.Eng.**

Region of Peel

Project Manager, Infrastructure

Programming & Studies

Transportation Division | Public Works

10 Peel Centre Dr, Suite B, 4th Floor

Brampton, ON L6T 4B9

Gino.DelaCruz@peelregion.ca

Tel: (905) 791-7800 ext. 7805

**Veronica Restrepo, P.Eng.**

HDR

Project Engineer

255 Adelaide Street West

Toronto, ON M5H 1X9

Veronica.Restrepo@hdrinc.com

Tel: (647) 777-4952