

Windsor, Ontario September 29, 2016

A meeting of the **Windsor Essex County Environment Committee** is held this day commencing at 5:30 o'clock p.m. at the Ojibway Nature Centre, there being present the following members:

Councillor Paul Borrelli, Chair
Councillor Fred Francis
Jesse Costa Gardner
Mike Nelson
Joe Passa
Dr. Edwin Tam
Radwan Tamr

Regrets received from:

Debbie Grant
Derek Coronado
Gary McNamara, Mayor, Town of Tecumseh
Joe Bachetti, Deputy Mayor, Town of Tecumseh

Also present are the following resource personnel:

Dustin Carey, Environment & Sustainability Coordinator (A)
Karina Richters, Supervisor, Environment
Karen Kadour, Committee Coordinator

1. CALL TO ORDER

The Chair calls the meeting to order at 5:40 o'clock p.m. and the Committee considers the Agenda being Schedule "A" **attached** hereto, matters which are dealt with as follows:

2. ADDITIONS TO THE AGENDA

Moved by Councillor Francis, seconded by Dr. Tam,
That Rule 3.3 (c) of the Procedure By-law 98-2011 be waived to add the following addition to the Agenda:

9.3 Environmental Bill of Rights meeting with Dr. Dianne Saxe, Environmental Commissioner

Carried.

3. DECLARATIONS OF CONFLICT

None disclosed.

4. MINUTES

Moved by Councillor Francis, seconded by Dr. Tam,
That the minutes of the meeting of the Windsor Essex County Environment
Committee held July 28, 2016 **BE ADOPTED** as presented.
Carried.

5. PRESENTATION

Heather Grondin, Vice President, Communications and Stakeholder Relations,
Windsor-Detroit Bridge Authority is present to provide a presentation relating to the new
border crossing. The Presentation entitled "Windsor-Detroit Bridge Authority – Windsor
Essex County Environment Committee Windsor, Ontario, September 29, 2016" is
attached as Appendix "A".

The highlights of the Windsor-Detroit Bridge Authority (WDBA) Presentation are
provided as follows:

- The WDBA will manage the procurement process for the design, construction, financing, operation and maintenance of the new bridge through a public-private partnership.
- The project objectives include – Provide new border crossing capacity to meet increased long-term international trade and travel demand. Improve system connectivity to enhance the continuous flow of people and goods. Improve operations and processing capabilities at the border and provide alternative and secure crossing options.
- Two design types could be used for this signature Bridge: Suspension, which is recognized by its elongated "M" shape or the Cable-stayed, which has more of an "A" shape.
- Six lanes – three Canadian bound – three US bound.
- Clear span of 850 metres with no piers in the water. Total length of approximately 2.5 kilometres.
- Species at risk which are known to occur in the project area are – Dense Blazing Star, Willowleaf Aster, Kentucky Coffee tree and Butler's Gartersnake.

In response to a question asked by Dr. Tam regarding if there will be bike lanes on the new bridge, H. Grondin responds they are working with the CBSA to determine

how processing will occur with bikes crossing the bridge. She adds the question is how to safely process pedestrians and cyclists with trucks on the bridge and where will they exit the bridge.

The Chair thanks Heather Grondin for her presentation.

6. BUSINESS ITEMS

6.1 WECEC 2017 Budget Request Ratification

D. Carey provides an overview of the 2017 WECEC Operating Budget submission to City Council.

Moved by Councillor Francis, seconded by M. Nelson,
That the 2017 WECEC Operating Budget submission to City Council **BE RECEIVED** and further, that the \$4,000 contribution from the City and County remain at the 2016 level.

Carried.

6.2 Water Brothers Funds Authorization

Clerk's Note: The Water Brothers is an eco-adventure documentary series following brothers Alex and Tyler Mifflin, as they explore the world, uncovering the most important water stories of our time.

D. Carey suggests retaining the Water Brothers at a cost of \$1,000 (from WECEC) to provide a presentation at a school in the City of Windsor to discuss the merits of using tap water over bottled water. He states the Environmental Master Plan and Social Services will partner in this event and will provide an additional \$3,000.

Moved by Dr. Tan, seconded by R. Tamr,
That **APPROVAL BE GIVEN** to an expenditure in the upset amount of \$1,000 as a contribution from WECEC to retain the Water Brothers to provide a presentation in 2016 on a date, time and location to be determined.

Carried.

6.3 ERCA Invasive Species Green Speaker Series Funds Authorization

D. Carey requests funding in the amount of \$425 for costs associated with hosting a panel to discuss Invasive Species at a venue to be determined.

Moved by R. Tamr, seconded by M. Nelson,

That **APPROVAL BE GIVEN** to an expenditure in the upset amount of \$425 for costs associated with hosting a panel to discuss Invasive Species on a date, time and location to be determined.

Carried.

6.4 Brainstorming Session – Remaining 2016 Funds

D. Carey reports there is \$1,700 remaining in the 2016 WECEC Operating Budget. Suggestions for use of the remaining funds include the purchase of promotional items, i.e. water bottles, mugs, caps, and tote bags with drawstrings.

Moved by Councillor Francis, seconded by M. Nelson,

That the Environment and Sustainability Coordinator **BE REQUESTED** to report back at the November 24, 2016 meeting regarding suggestions for the purchase of promotional items including the costs to an upset limit of \$1,700.

Carried.

Dr. Tam suggests consideration be given to use the remaining funds for the development of an “app” to provide awareness of WECEC.

7. COORDINATOR’S REPORT

D. Carey provides the following updates relating to ongoing initiatives:

- Marathon Refinery – The office of Catherine McKenna, Minister of Environment and Climate Change provided a letter to Mayor Dilkens advising the Government of Canada will continue to monitor the situation with Marathon Refinery and work on reducing transboundary pollution from the United States.
- Idling – The Council of Essex at its meeting held July 18, 2016 reviewed and supported correspondence regarding the possibility of a regional idling standard.
- Presentations – Lee Tome, Deputy Fire Chief, Town of Amherstburg is meeting with representatives from Health Canada in the mock disaster to be held on this day. Mr. Tome will provide a presentation at the November 24, 2016 WECEC meeting.
- Microplastics – The Federation of Canadian Municipalities (FCM) adopted the following resolution and has written to the Federal Government calling for action of microplastics:
 - *“BE IT RESOLVED, that FCM urge the Government of Canada to prohibit, through the list of toxic substances (Canadian Environmental Protection Act), the manufacture, use and sale of personal care and cleaning products containing plastic microbeads.”*

Moved by Councillor Francis, seconded by Dr. Tan,
That the report of the Environment and Sustainability Coordinator dated
September 2016 entitled "WECEC Coordinator Monthly Report" **BE RECEIVED.**
Carried.

8. SUBCOMMITTEE REPORTS

8.1 Air

No report.

8.2 Environmentally Sensitive Lands and Issues

No report.

9. NEW BUSINESS

9.1 Update on City of Windsor Environmental Initiatives

D. Carey provides the highlights of his document entitled "City Initiatives",
attached as Appendix "B" as follows:

- The City of Windsor has continued to work on the development of its Community Energy Plan. Preliminary goals, targets and conclusions have been drawn which are acceptable to the Community and Corporate Task Forces.
- The City's contribution to the Carbon Disclosure Project has been aggregated with contributions throughout North America. The City of Windsor has exceeded the continental average in climate change adaptation, emissions measurement and water management.
- When organizing the second Open Streets event, the City consolidated the environmental portion of the Environment and Food Hub with the Alternative Transportation Hub to create the Healthy Communities Hub. This hub showcased aspects of sustainable communities such as energy use, active transportation, nutrition and effective use of transit services.
- City Council received for information a number of options that the City may employ to help control nuisance goose populations in the City.

9.2 Update on Essex County Environmental Initiatives

M. Nelson reviews his document entitled "Update on Essex County Environmental Initiatives".

M. Nelson notes a meeting will be held this evening in Amherstburg relating to the Tree Cutting By-law. He advises it is imperative to ensure there are compelling reasons to cut down a tree, i.e. trees are hazardous or diseased.

9.3 Environmental Bill of Rights meeting with Dr. Dianne Saxe, Environmental Commissioner

D. Carey distributes a flyer entitled "Environmental Bill of Rights Meeting with Environmental Commissioner Dr. Dianne Saxe" to be held on October 13, 2016 at 5:30 p.m. at the Ojibway Nature Centre, **attached** as Appendix "C".

Moved by Dr. Tan, seconded by J. Gardner Costa,

That the members of WECEC **BE ENCOURAGED** to provide advertising through the WECEC website and Social Media for the Environmental Bill of Rights Meeting to be held with Dr. Dianne Saxe on October 13, 2016 at 5:30 p.m. at the Ojibway Nature Centre.

Carried.

10. COMMUNICATIONS

Moved by Councillor Francis, seconded by R. Tamr,

That the following Communications **BE RECEIVED:**

- 10.1 Response from the Ministry of Environment and Climate Change re: Marathon Refinery
- 10.2 Response from Essex re: Regional Idling Initiative
- 10.3 Great Lakes & St. Lawrence River Basin – Waukesha Diversion Application
- 10.4 Remington Park Cancer Cluster Investigation
- 10.5 A Multi-Jurisdictional Water Quality Trading Framework for Western Lake Erie
- 10.6 Widespread Plastic Pollution Found in Great Lakes Tributaries

Carried.

11. DATE OF NEXT MEETING

The next meeting will be held on Thursday, November 24, 2016 at 5:30 p.m. at the Ojibway Nature Centre.

12. ADJOURNMENT

There being no further business, the meeting is adjourned at 6:55 o'clock p.m.

CHAIR

COMMITTEE COORDINATOR



AGENDA
WINDSOR-ESSEX COUNTY ENVIRONMENT COMMITTEE
held on September 29th, 2016
Meeting at 5:30p.m at the Ojibway Nature Centre

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

3. **DECLARATION OF CONFLICT**

4. **MINUTES**

Adoption of the minutes of the meeting held July 28th, 2016 – *emailed separately.*

5. **PRESENTATION**

5.1 Heather Grondin & Jim Wraith – Windsor Detroit Bridge Authority

6. **BUSINESS**

- 6.1 WECEC 2017 Budget Request Ratification – *attached.*
- 6.2 Water Brothers Funds Authorization
- 6.3 ERCA Invasive Species Green Speaker Series Funds Authorization
- 6.4 Brainstorming Session – Remaining 2016 funds

7. **COORDINATORS REPORT**

7.1 WECEC Coordinator Monthly Report – *attached.*

8. **SUBCOMMITTEE REPORTS**

- 8.1 Air
- 8.2 Environmentally Sensitive Lands and Issues

9. **NEW BUSINESS**

- 9.1 Update on City of Windsor environmental initiatives
- 9.2 Update on Essex County environmental initiatives

10. **COMMUNICATIONS**

- 10.1 Response from the Ministry of Environment and Climate Change re. Marathon Refinery – *attached.*
- 10.2 Response from Essex re. Regional Idling Initiative – *attached.*
- 10.3 Great Lakes & St. Lawrence River Basin – Waukesha Diversion Application – *attached.*
- 10.4 Remington Park Cancer Cluster Investigation – *attached.*
- 10.5 A Multi-Jurisdictional Water Quality Trading Framework for Western Lake Erie – *attached.*
- 10.6 Widespread Plastic Pollution Found in Great Lakes Tributaries – *attached.*

11. **DATE OF NEXT MEETING**

The date of the next meeting is November 24th 2016 at the Ojibway Nature Centre.

12. **ADJOURNMENT**



Windsor-Essex County Environmental Committee
Windsor, Ontario
September 29, 2016

Canada



Agenda

- Project history
- Key project features
- Environmental commitments



Windsor-Detroit Bridge Authority



- Not-for-profit Canadian Crown corporation
- Reports to Parliament through the Minister of Infrastructure and Communities
- Will manage the procurement process for the design, construction, financing, operation and maintenance of the new bridge through a public-private partnership (P3)
- Will also oversee the work of the public-private partnership, manage the concession agreement and payments



Project Objectives

- Provide new border crossing capacity to meet increased long-term international trade and travel demand
 - Development of additional border capacity for Windsor-Detroit is a key priority for Canadian and US governments as well as private sector shippers, carriers and manufacturers
- Improve system connectivity to enhance the continuous flow of people and goods
 - Goal is to provide a safe, efficient and secure end-to-end border crossing system directly connecting Highway 401 in Windsor and Interstate 75 in Detroit
- Improve operations and processing capabilities at the border and provide alternative and secure crossing options
 - The new publicly-owned bridge will ensure border crossing capacity and redundancy at this vital trade crossing
 - Additional capacity will stimulate long-term economic growth

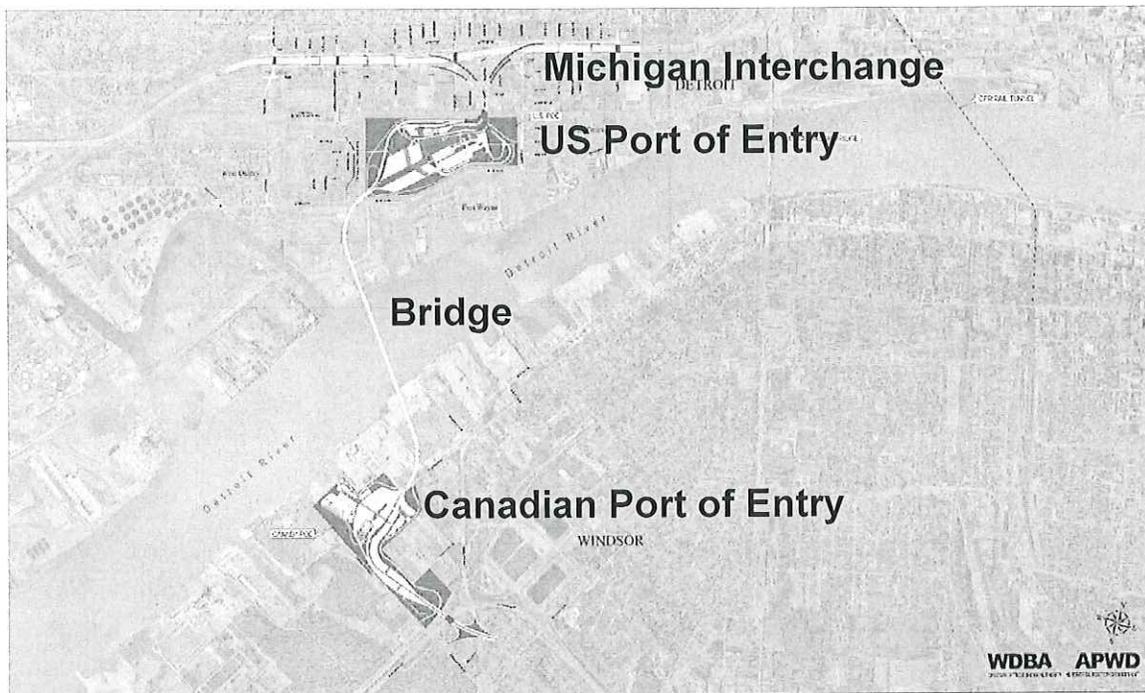


Project History

Timeline	Activity
2001-04	Planning/Need and Feasibility Study
2007	Federal Budget announcement for Ontario access road
2005-09	Coordinated environmental assessment – US and Canadian sides Comprehensive and peer reviewed geotechnical analysis Canada determines that the Project will not have significant environmental impact, with mitigation measures US ROD obtained
2010	Concession agreement between Ontario Parkway concessionaire signed
2008-12	Canada land acquisition begins Preliminary Canadian and US POE design and other preparation work
2012	Canada-Michigan Crossing Agreement WDBA incorporated
2013	Presidential Permit
2014	A Board of Directors and President and CEO are appointed for WDBA Members are appointed to the International Authority Board US Coast Guard Bridge Permit
2015	International Authority approves United States land acquisition Start of Early Works and launch of the P3 procurement process
2016	Announcement of Short-Listed Respondents



Key Components of the Gordie Howe International Bridge Project

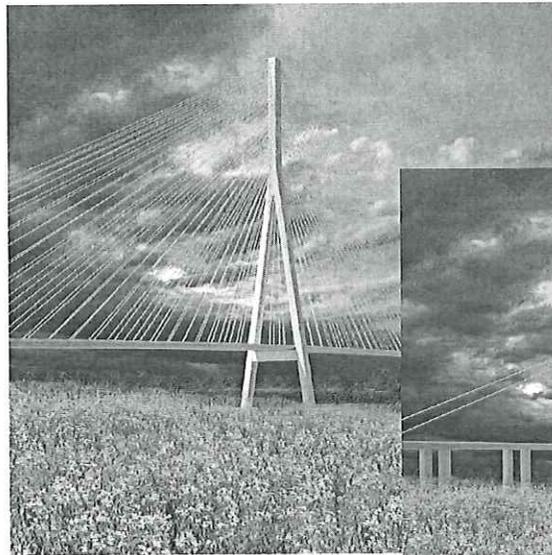


WDBA APWD
WINDSOR-DETROIT BRIDGE AUTHORITY | AUTORITÉ DU PONT WINDSOR-DETROIT



Project Key Features: Bridge

- Two design types could be used for this signature Bridge:
 - Suspension, which is recognized by its elongated "M" shape
 - Cable-stayed, which has more of an "A" shape
- Six-lanes – three Canadian-bound, three US-bound
- Clear span of 850 metres with no piers in the water
- Two approach bridges on both sides of the crossing to connect ports of entry in Canada and USA
- Total length of approximately 2.5 kilometres

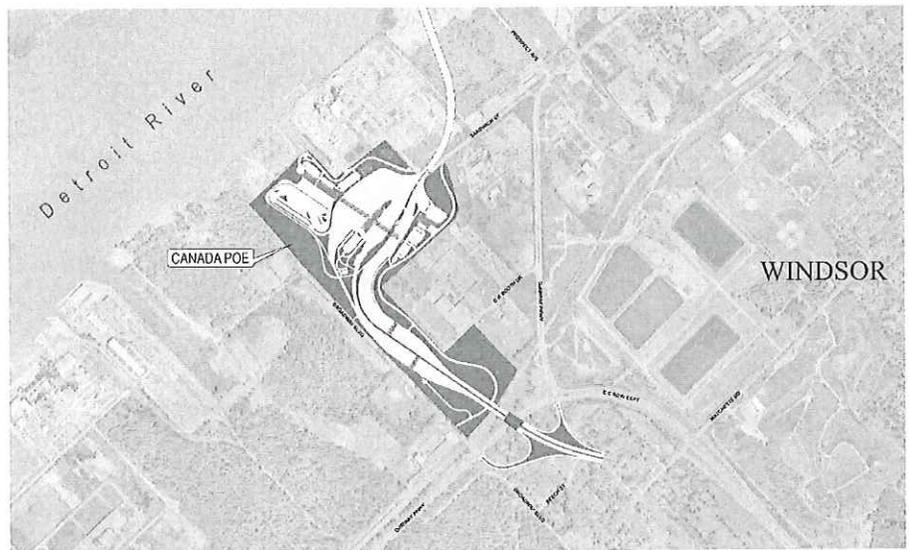


Once completed, the Gordie Howe International Bridge will be amongst the top five longest bridges in North America.



Project Key Features: Canadian Port of Entry

- Approximate 53 hectare (130 acre) site
- Inbound border inspection facilities for both passenger and commercial vehicles
- Outbound inspection facilities
- Toll Collection facilities
- Maintenance facility
- Parking



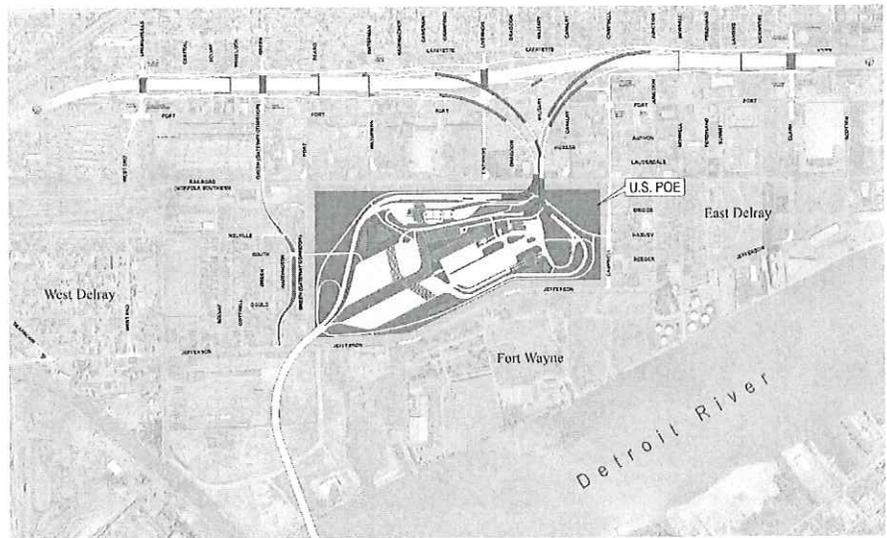
Once constructed, this port will be the largest along the Canada-US border and one of the largest anywhere in North America.

The footprint allows for the installation of further technology and the addition of expanded border processing facilities.



Project Key Features: US Port of Entry

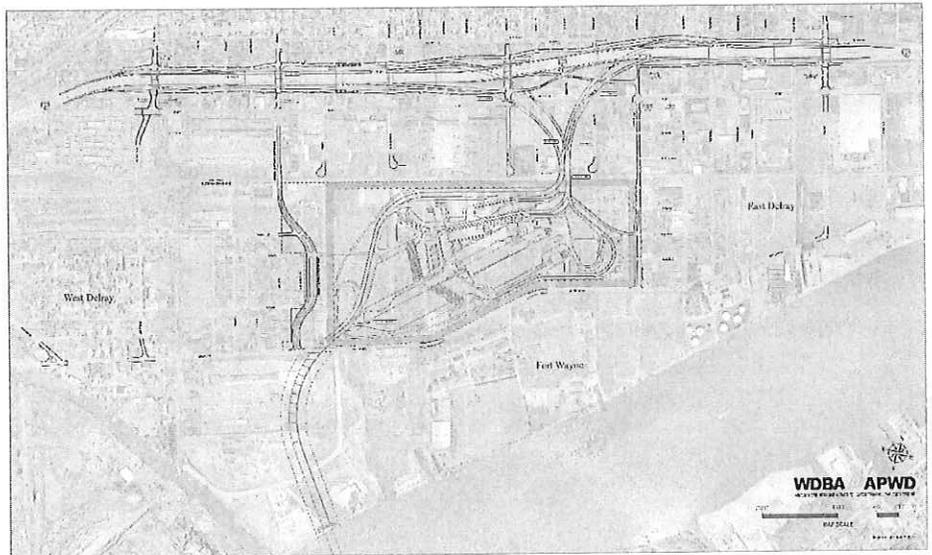
- Approximate 60 hectare site
- US inbound border inspection facilities for both passenger and commercial vehicles
- US outbound inspection facilities
- Commercial exit control booths
- Parking



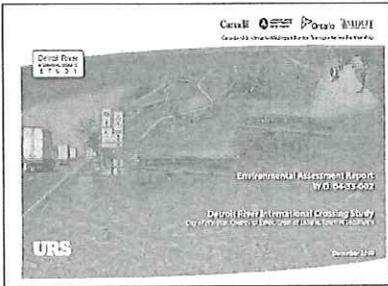
Project Key Features: Michigan Interchange to Interstate-75

Consists of primary connecting ramps to and from the US POE and associated local road improvements including:

- 3 kilometres of I-75 and interchange ramps
- 4 new crossing road bridges
- 5 new pedestrian bridges
- 4 long bridges crossing the railway and connecting to I-75 to the US plaza
- Service roads and local road improvements



Implementing Environmental Assessment Commitments



The Detroit River International Crossing (DRIC) study was a coordinated Canadian and US environmental study that identified requirements to mitigate potential negative impacts from a new crossing.

Both countries committed to future communication and consultation with the public, indigenous peoples, regulatory agencies and other stakeholders on various topics throughout the construction and operation of the Gordie Howe International Bridge.

Aesthetics, Lighting, Visual Effects  	Sediment Erosion 
Air Quality  	Species at Risk/Invasive Species/ Wildlife/Migratory Birds 
Archaeology  	Traffic/Local Roads  
Fish/Aquatics 	Vegetation/Trees  
Infrastructure 	Vibration 
Noise  	Waste/Spills/Excavated Materials 
Pedestrians/Bicycling Bridges at Michigan Interchange 	Water Quality/Groundwater/ Stormwater/Surface Water  



Commitments on the US side are documented in the Environmental Impact Statement, Green Sheet and Memorandum of Agreement.



Commitments on the Canadian side are documented in the Canadian Screening Report (includes the Provincial Environment Assessment and the Notice to Proceed.)

These commitments will be completed by WDBA at the appropriate times during the design, build, operation and maintenance of the Gordie Howe International Bridge.



Clearance activities at the Canadian port-of-entry

- Started in 2012 and ended in January 2015
- Approximately 2,100 SAR plants and 3,000 square metres of tallgrass prairie sod mats were relocated
- Both SARS and non-SARS captured snakes were moved to a conservation area
- As much material as possible was diverted from the waste stream
 - All non-furniture grade tree logs and brush were stockpiled, chipped onsite and then sent for recycling
 - Furniture grade logs were sent to an off-site mill
 - Of the 3,100 trees (with a diameter of at least 10 cm) that were removed, more than 400 logs were recovered for furniture manufacture, 200 logs were sold for firewood and the remainder were chipped for landscape use or mulched for use as sewage treatment filtration



Waste removal

- 131 metric tons of waste including wood, concrete and metal products, tires, and E-waste was recycled.
- In total, more than 902 metric tons of waste was removed including:
 - Ten tons of tires
 - Six tons of asbestos
 - Two tons of hazardous waste



Species at Risk

Species at Risk which are known to occur on the lands are **Dense Blazing Star, Willowleaf Aster, Kentucky Coffee tree, and Butler's Gartersnake.**

Additionally, other species at risk have not been seen within the project area but may be present. These include:

- **Eastern Foxsnake** - Provincially and Federally endangered
- **Common Hop Tree** - Provincially and federally threatened
- **Dwarf Hackberry** - Provincially and federally threatened
- **Colicroot** - Provincially and federally threatened
- **Bank Swallow** - Provincially threatened species, federally no status
- **Barn Swallow** - Provincially threatened species, federally no status
- **Little Brown Bat** - Provincially and federally endangered
- **Northern Long-eared Bat** - Provincially and federally endangered



Early Works: Protecting Species at Risk

The area to host the Canadian Port of Entry is home to several species at risk (SAR). Environmental mitigation and protection are an important part of the project.

Environmental management plans are followed by all employees and contractors on site.



Kentucky Coffee Tree



Willowleaf



Dense Blazing Star



Butler's Gartersnake

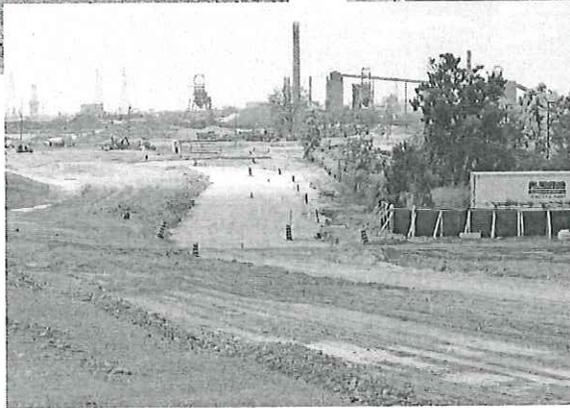


Additional preventative measures include:

- Snake SAR Surveys and Habitat Assessment
- Installation of temporary exclusion fencing
- Capture and relocation of snake SAR
- Plant SAR surveys and vegetation mapping
- Plant SAR removal and transplanting
- Breeding bird surveys



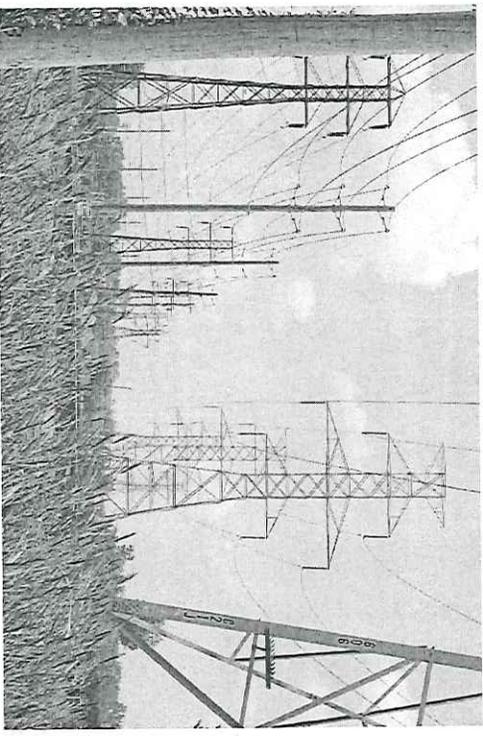
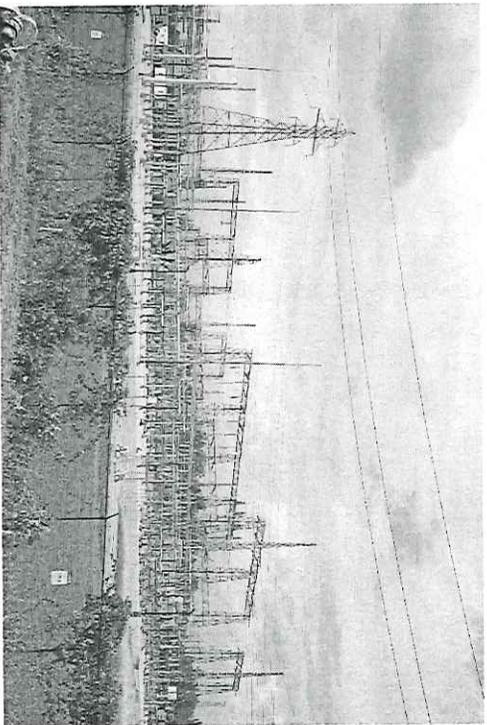
Early Works: Preparing the Canadian Site



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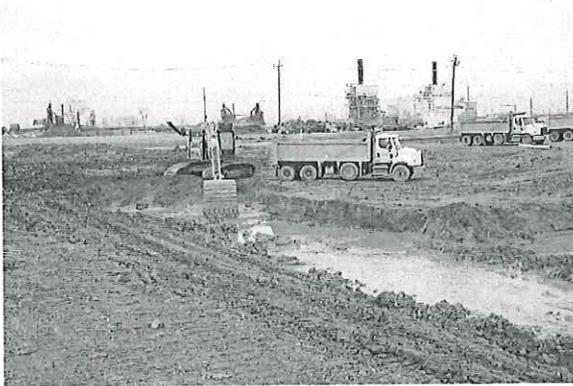
Early Works – Phase Two



WDBA **APWD**

WINDSOR DETROIT BRIDGE AUTHORITY | AUTORITÉ DU PONT WINDSOR DÉTROIT

Stormwater Management



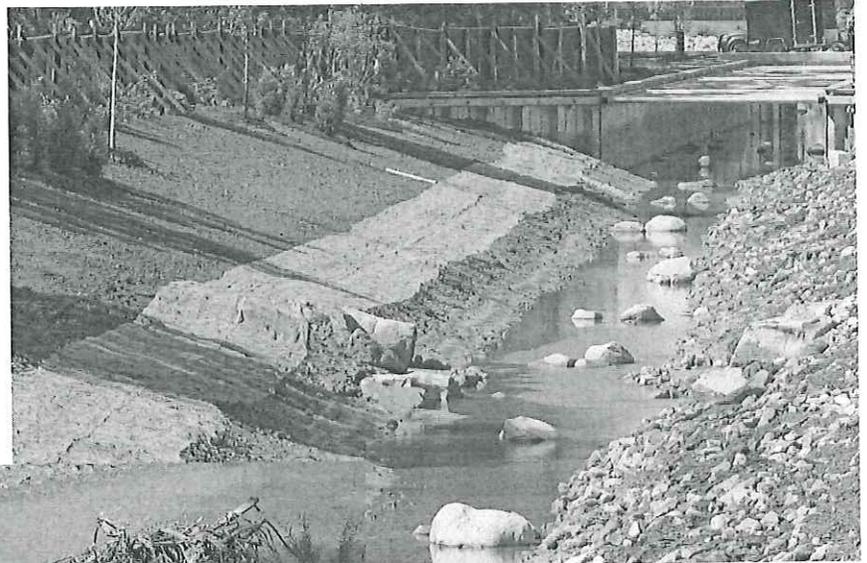
Three stormwater management ponds will collect and store surplus rain water from the POE and the perimeter access road. Solids will be removed through oil and grit separators prior to release into Broadway Drain and the Detroit River.



The oil and grit separators “swirl” the water to help the solids settle on the chamber floor. The water then exits through a screen that traps the solids and debris. A vacuum truck is used to collect accumulated sediment and oil for appropriate disposal.



Broadway Drain Enhancements



WDBA  **APWD**
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Stay tuned

Visit www.wdbridge.com
for up-to-date project information
and to join our email list

Follow the WDBA on social media:

www.twitter.com/wdbabridge

www.facebook.com/wdbabridge

www.linkedin.com



City Initiatives

The City of Windsor has continued to work on the development of its Community Energy Plan, with meetings of the Community and Corporate Task Forces this week. Preliminary goals, targets and conclusions have been drawn which are acceptable to both task forces, which include representatives from utilities, industry, school boards, the University and environmental groups, among others. It is the intention to have the plan go to the Standing Committee on the Environment Transportation and Public Safety in early 2017. The City has been collecting citizen perceptions on the development of/need for the CEP over the summer, and will be launching a contest to promote the resident survey next week.

The City's contribution to the Carbon Disclosure Project has been aggregated with contributions throughout North America. The City of Windsor has exceeded the continental average in climate change adaptation, emissions measurement and water management. It meets the average in risk identification and community management but currently falls below average in local government operations management. This is intended to be improved with the development of the Community Energy Plan, and its subset Corporate Climate Action Plan

When organizing the second Open Streets event, the City consolidated the environmental portion of the Environment and Food Hub with the Alternative Transportation Hub to create the Healthy Communities Hub. This hub showcased aspects of sustainable communities such as energy use, active transportation, nutrition and effective use of transit services.

City Council received for information a number of options that the City may employ to help control nuisance goose populations in the City.

*Environmental Bill of Rights Meeting
with Environmental Commissioner
Dr. Dianne Saxe*

Date: Thursday, October 13, 2016

Time: 5:30PM-7:00PM

*Location: Ojibway Nature Centre, 5200 Matchette Rd,
Windsor, ON*



Have a concern about our local environment? This is your chance to provide input on the Environmental Bill of Rights. Dr. Dianne Saxe will be hosting a workshop followed by a question and answer period.

This meeting is hosted by MPP Percy Hatfield, MPP Lisa Gretzky, MPP Taras Natyshak, and the Windsor Essex County Environment Committee.

To RSVP, please call 311 or toll free 1-877-746-4311 (for those outside of Windsor).