
The Windsor-Essex Parkway and Alternative Delivery

November 15, 2011

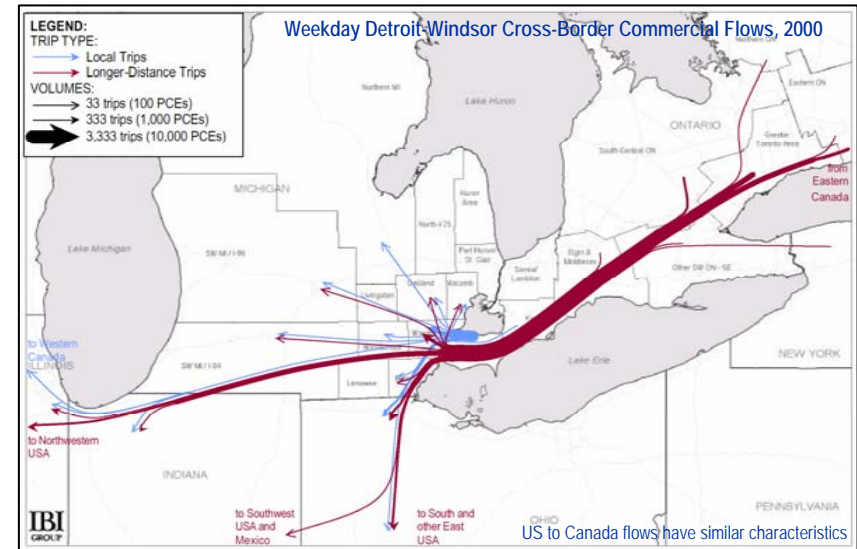
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The Windsor Gateway: Economic Significance

- Windsor is Canada's premier trade gateway
 - Over 60% of Ontario-Michigan trade
 - Almost 1/3 Ontario-U.S. trade
 - Over 1/3 of Canada-U.S. trade

- Gateway includes:
 - Ambassador Bridge
 - Windsor-Detroit Tunnel
 - Michigan Central Railway Tunnel
 - Detroit-Windsor Truck Ferry



- “Just in time delivery” of an integrated production network depends heavily on the fast and predictable trucking of components, parts and finished products across the border.
- Significant amount of trade between Canada and the U.S. is within economic sectors and intra-firm in nature.
- Number one economic infrastructure priority for the Government of Ontario.

Value Engineering / Value Analysis

- Value Engineering and the Parkway:
 - 2006 Recommendations
 - Project Risk Register
 - Updated Project Schedule
 - 350 “creative ideas” & 130 “design suggestions”
 - 2008 Recommendations
 - Combine with EC Row Expressway as core collector
 - Optimize ecological restoration through the corridor
 - Include more high points in profile to reduce depth of cut
 - Advance contract for utility relocation
 - Phased opening of the roadway

The Windsor-Essex Parkway



The Windsor-Essex Parkway

Transportation Features:

- 11 km in length
- New urban 6 lane below grade freeway
- New parallel 4 lane service road network
- Full illumination
- Stormwater management facilities
- Advanced traffic management system
- Commitment to maintain traffic in the corridor during construction

Community and Environmental Features:

- 11 tunnels covering 1.8km of freeway
- More than 300 acres of green space
- 20 km of recreational trails
- Noise mitigation measures
- Extensive landscaping throughout the corridor
- Special measures to protect wildlife

Significance

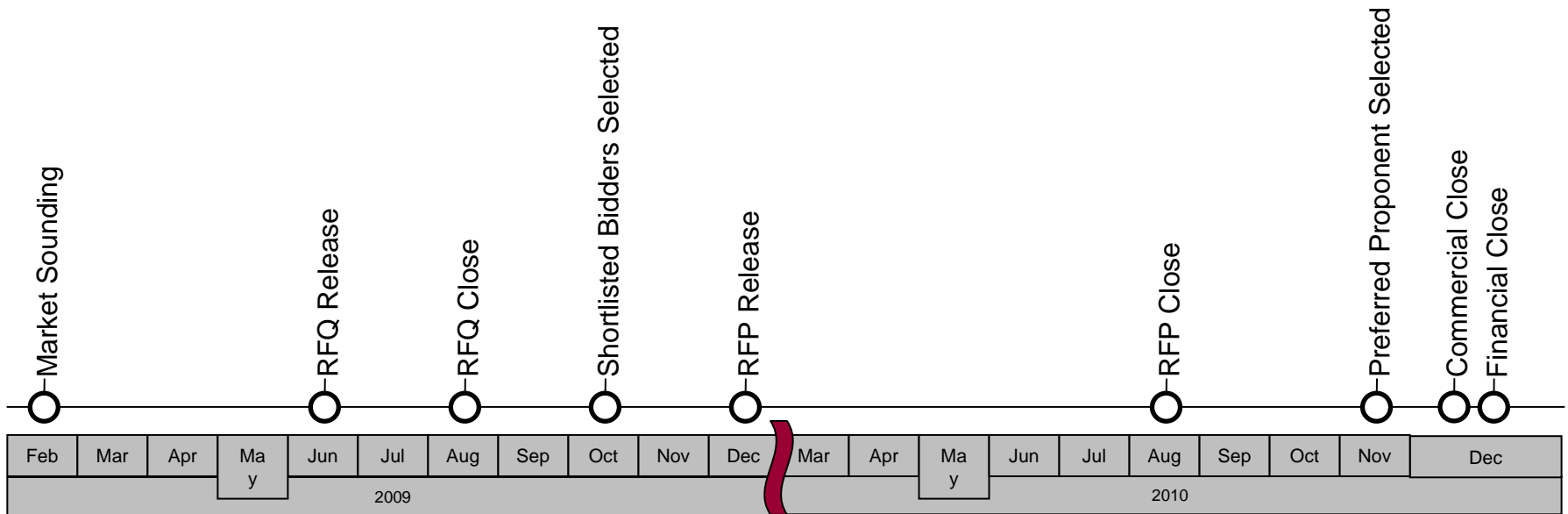
- Anticipated to generate 12,000 project-related jobs with the majority in the Windsor-Essex region
- Most significant single highway investment in Ontario's history.

Alternative Financing and Procurement (AFP)

- Infrastructure Ontario is a crown corporation with a mandate to:
 - use AFP to deliver large, complex projects
 - provide affordable loans for local projects
- An AFP approach uses private financing to strategically rebuild vital infrastructure, on time and on budget
- AFP Benefits:
 - Ensures appropriate public control and ownership
 - Transfers risks to appropriate party
 - Provides value for money
 - Provides added due diligence of consortium members
- The Windsor-Essex Parkway is first AFP Transportation Project in Ontario

Procurement Process

- RFQ released June 29, 2009
- Short-listed bidders selected October 8, 2009
- RFP released December 28, 2009
- Preferred proponent selected November 5, 2010



Delivering The Windsor-Essex Parkway

The Windsor Essex Mobility Group (WEMG) – The Builder

- WEMG is the Design-Build-Finance-Maintain team for the Windsor-Essex Parkway. The team includes designers, builders, financiers and operators who will complete the Parkway and operate it for 30 years.



Windsor-Essex Parkway AFP Contract Details

- Design Build Finance and Maintain Contract (DBFM)
- Fixed price of \$1.4 billion (2011 CDN)
- Annual payments over 30 years for:
 - Design
 - Construction
 - Lifecycle repair and renewal (30 years)
 - Project financing
- Risk transfer
- Not a toll road

Delivering The Windsor-Essex Parkway

- Initial construction of two bridges and a noise barrier completed
- Temporary Snake Fence Barrier
- Transplanting
- Engineering Field Work



Alternative Delivery – Owner’s Perspective

- Goals:
 - Strike appropriate balance in risk sharing between public and private entities
 - Seek private sector expertise and innovation in the delivery of the Windsor-Essex Parkway
 - Environmental requirements
 - Community interests are protected
 - Owner’s interests are addressed
 - Value for Money

Alternative Delivery – Owner’s Perspective

Lessons Learned:

- **Bid phase**
 - Project Scoping
 - Risk Transfer
 - Interactions with bid teams
- **Early works**
 - Municipal expectations
 - Property acquisition
 - Preparing Right of Way
 - Utilities
 - Environmental (including Species at Risk)
- **“Fine Print”**
 - Advisory services
 - Building Teams
 - Road Authority vs. P3 Team
 - Specifications/standards
 - Liabilities

Improving the Windsor Gateway

Unprecedented Accomplishments

- Project Pace
- Size/Scope
- Environment Sensitivity/Mitigation
 - Parkway concept and design
 - Species at Risk
- Public Consultation/Engagement
- Property Assembly
- Communications/Issues Management
- Collaboration
- Community Involvement
 - WE Pay-it-Forward
 - University of Windsor
 - Emergency Services Training
- AFP Procurement

Additional Information

The Windsor-Essex Parkway

www.weparkway.ca

Check us out on:

www.twitter.com/WEParkway

www.youtube.com/weparkway

www.flickr.com/weparkway

Ministry of Transportation

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