



nittec
Travel Smart.

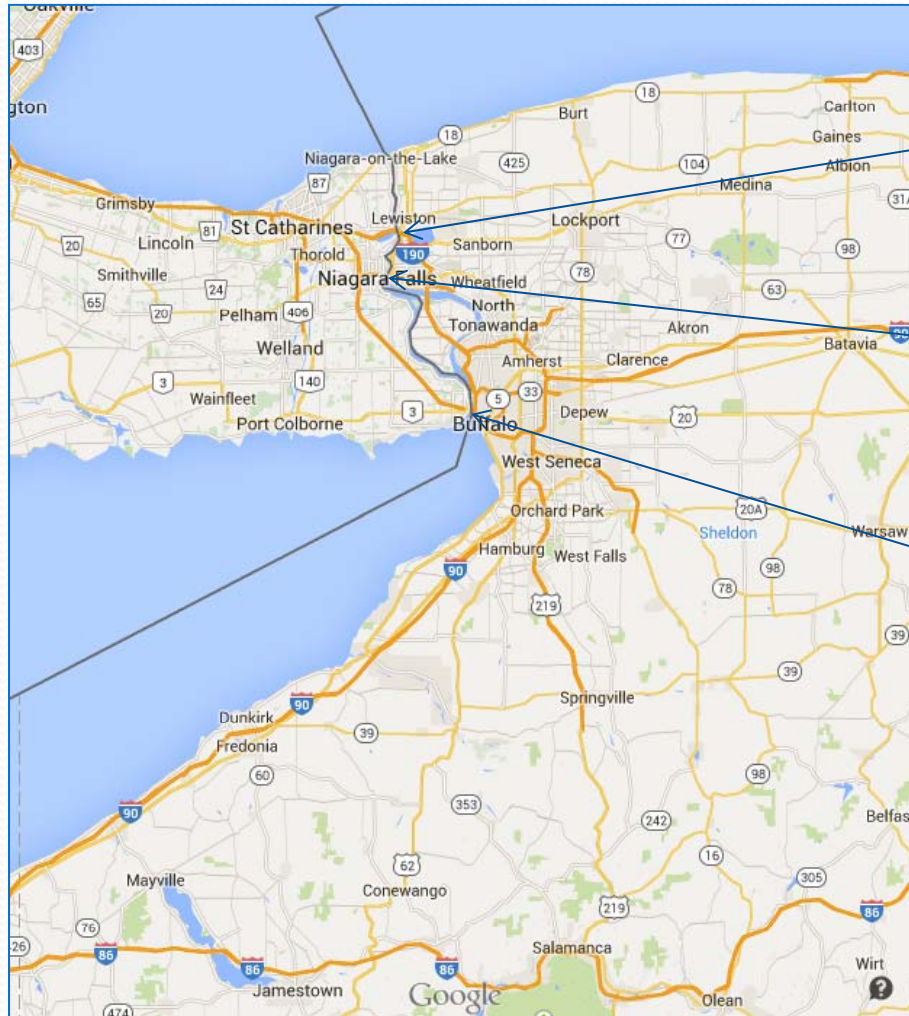
***Niagara International Transportation
Technology Coalition***

NITTEC Mission

To improve mobility, reliability and safety on the regional bi-national multimodal transportation network through information sharing and coordinated management of operations.



NITTEC Region-Southern Ontario/Western NY



Lewiston-Queenston Bridge

Rainbow Bridge

Peace Bridge



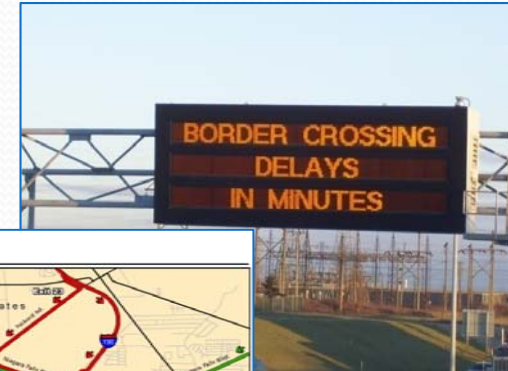
NITTEC Coalition

- Established in 1995 with a Federal Mobility Grant
- Regional Collaboration and Leadership
 - Technology Deployment
 - Operations
 - Incident Management
 - Traveler & Traffic Information
- Multi-Agency Transportation Operations Coalition
 - 5 Policy Members, 9 General Members, 17 Affiliate Members
 - Transportation Agencies
 - Public Safety and Border Enforcement
 - Emergency Services and Recovery
 - Only Bi-national Coalition of its kind in U.S. / Canada



NITTEC Leadership

- Board of Directors
 - Overall policy and governance
- Committees
 - Border Crossing
 - Construction Coordination
 - Strategic Planning
 - Traffic Operations Center
 - Technology and Systems
 - Incident Management
 - Western New York
 - Ontario
 - Regional Traffic Signals



Regional Operation Functions

- Multi-agency Collaboration
- Traveler Information
- Border Traffic Management
- Emergency Management
- Incident Management
- Construction Coordination
- Traffic and Congestion Management
- Weather System Monitoring
- Special Event Planning and Management
- Transportation System Monitoring
- Performance Measures Reporting



Regional Collaboration – Traffic Management

- Centralized 24/7 operations and traffic management services for bi-national region
- Information Clearinghouse
- Standardized Operations
- Multi-Agency Event Planning and Operations
- Multi-Agency ITS Deployment
- Regional Messaging Standards
- Traffic Management Plans



Traveler Information


- Dynamic Message Signs in US & CA
 - Incident Information
 - Travel Times
- NITTEC Website
- NITTEC App
- MYNITTEC Subscriber System
- Highway Advisory Radio
- 511
- 1-800 Bridge Conditions Phone Service
 - 1-800-715-6722



	SIGN PHASE 1	SIGN PHASE 2
Route 198 West before Grant St. 1900W Grant updated 10/18/2013 2:25pm	RIGHT LANE CLOSED BEYOND EXIT 50	RIGHT LANE CLOSED BEYOND EXIT 50
I-80 West before I-290 Interchange 900W I-290 updated 10/18/2013 2:25pm	ROADWORK BEYOND TOLLS	ROADWORK BEYOND TOLLS
I-80 West before Transit Rd./Route 78 900W Transit Rd. updated 10/18/2013 2:25pm	ROADWORK BEYOND TOLLS	ROADWORK BEYOND TOLLS
I-190 North before Peace Bridge/Porter Ave. 190N Peace Bridge updated 10/18/2013 2:25pm	RIGHT LANE CLOSED BEYOND EXIT 50	RIGHT LANE CLOSED BEYOND EXIT 50



Traveler Information - NITTEC Website



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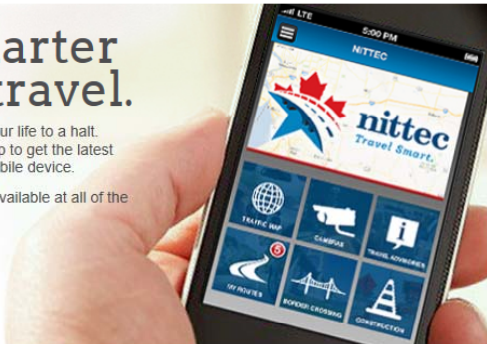
I-190 Northbound: Congestion from Exit 13 (Austin Street) 1
NITTEC News Flash: updated 10/18/2013 2:22pm

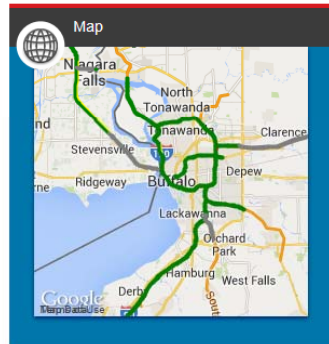
Traffic Map
Cameras
Travel Advisories
MYNITTEC
Travel Resources
About Us

The smarter way to travel.

Don't let traveling bring your life to a halt. Download the NITTEC app to get the latest traffic updates on your mobile device.

The NITTEC app is now available at all of the major App stores.





Cameras



Get a live look at major highways and bridges to make sure the path is clear before you hit the road.

Travel Advisories



This is the place to find the latest updates on accidents, construction, weather-related issues, and more.

MYNITTEC



MYNITTEC is a personalized alert system that sends you real-time traveler information through text messaging and email. You can customize your notifications by selecting specific expressways, as well as days and times that correspond with your travels.



Traveler Information - NITTEC Map Page

The screenshot displays the NITTEC website interface. At the top left is the NITTEC logo with the tagline "Travel Smart." and the full name "Niagara International Transportation Technology Coalition". To the right, a status bar indicates "There are no alerts at this time." and "NITTEC News Flash: updated 12/6/2013 9:59am". Below this is a navigation menu with tabs for "Traffic Map", "Cameras", "Travel Advisories", "MYNITTEC", "Travel Resources", and "About Us".

The main content area features a traffic map of the Niagara region. On the left is a "MAP CONTROL PANEL" with various filters: "Map View" (Select View), "Traffic" (Select Region), "Incidents / Alerts" (Select Incident / Alert), "Cameras" (Select Camera), "Construction" (Select Construction Acti...), "Dynamic Message Signs" (Select Location), and "Arenas / Concerts". On the right is a "TRAFFIC SPEED KEY" with color-coded categories: 45+ mph (green), 26 - 45 mph (yellow), 0 - 25 mph (red), No Data (grey), and No Instrumentation (yellow).

An overlay window titled "Border Crossing: Real-Time Border Crossing Information: (updated 12/6/2013 9:30am)" is open. It contains a table of crossing times for three bridges:

Direction	Peace Bridge	Rainbow Bridge	Lewiston/Queenston Bridge
Crossing Into U.S.A.	0-30 min	30-60 min	1-2 hr
Crossing Into Canada	0-30 min	0-30 min	0-30 min

Below the table is a legend: 0 - 30 minutes (green), 30 - 60 minutes (orange), 60+ minutes (red). The overlay also includes "Select Camera" dropdowns for each bridge and a "CLOSE" button.



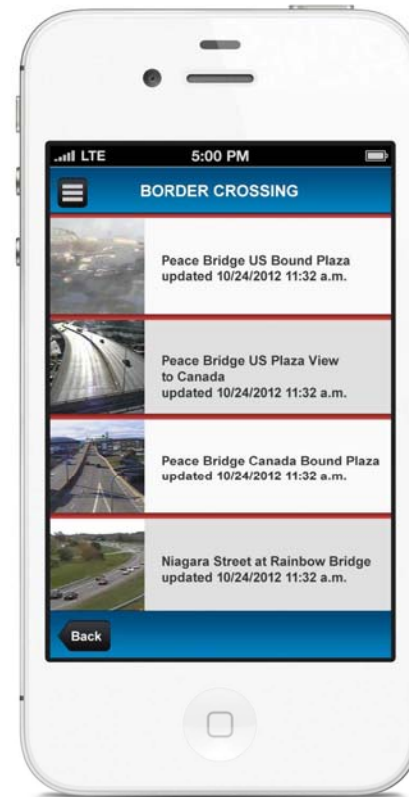
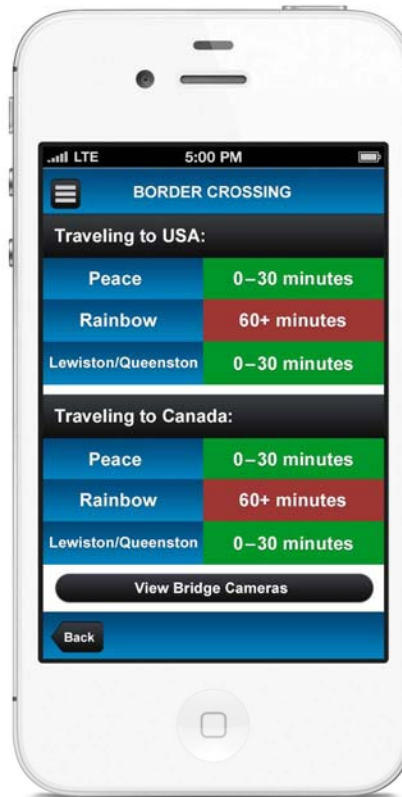
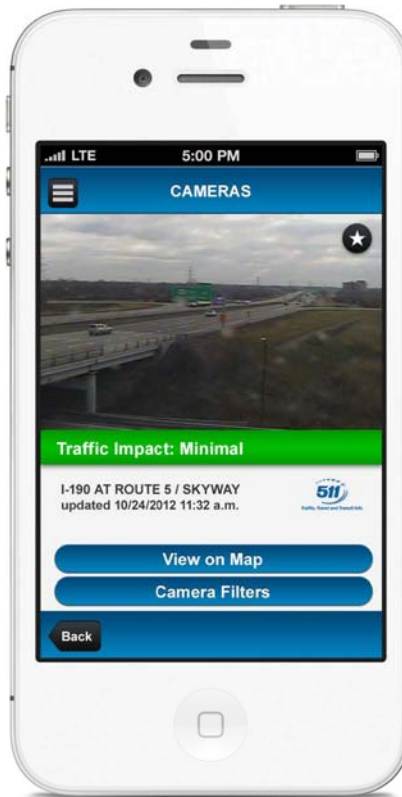
Traveler Information - NITTEC App



NITTEC



Traveler Information - NITTEC App



Border Crossing Collaboration

- Border Crossing Committee
- Participation by Transportation agencies, bridge operators and border enforcement agencies
- Border Crossing Traffic Management Plans
- Standardized border wait times
- Standardized DMS Messaging
- Joint Press Releases and public information campaigns



Technology Deployment

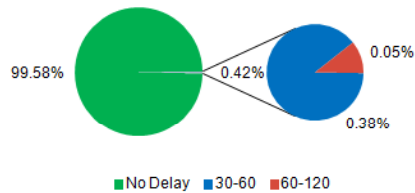
- Bluetooth reader technology for travel time – 2 out of 3 crossings
- TRANSMIT E-ZPass transponder based system deployed in US and Canada



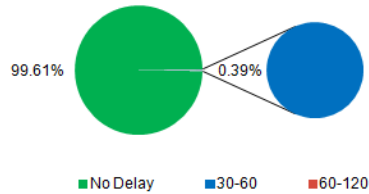
Border Crossing – 2015 Data

Canada Bound

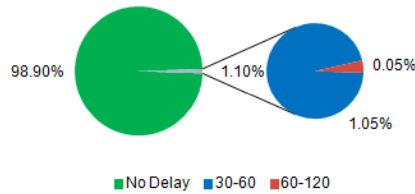
Lewiston-Queenston Bridge



Peace Bridge

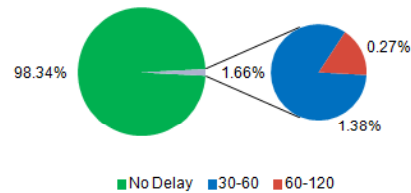


Rainbow Bridge

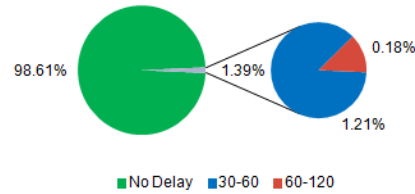


United States Bound

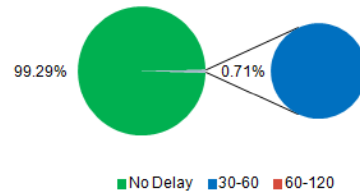
Lewiston-Queenston Bridge



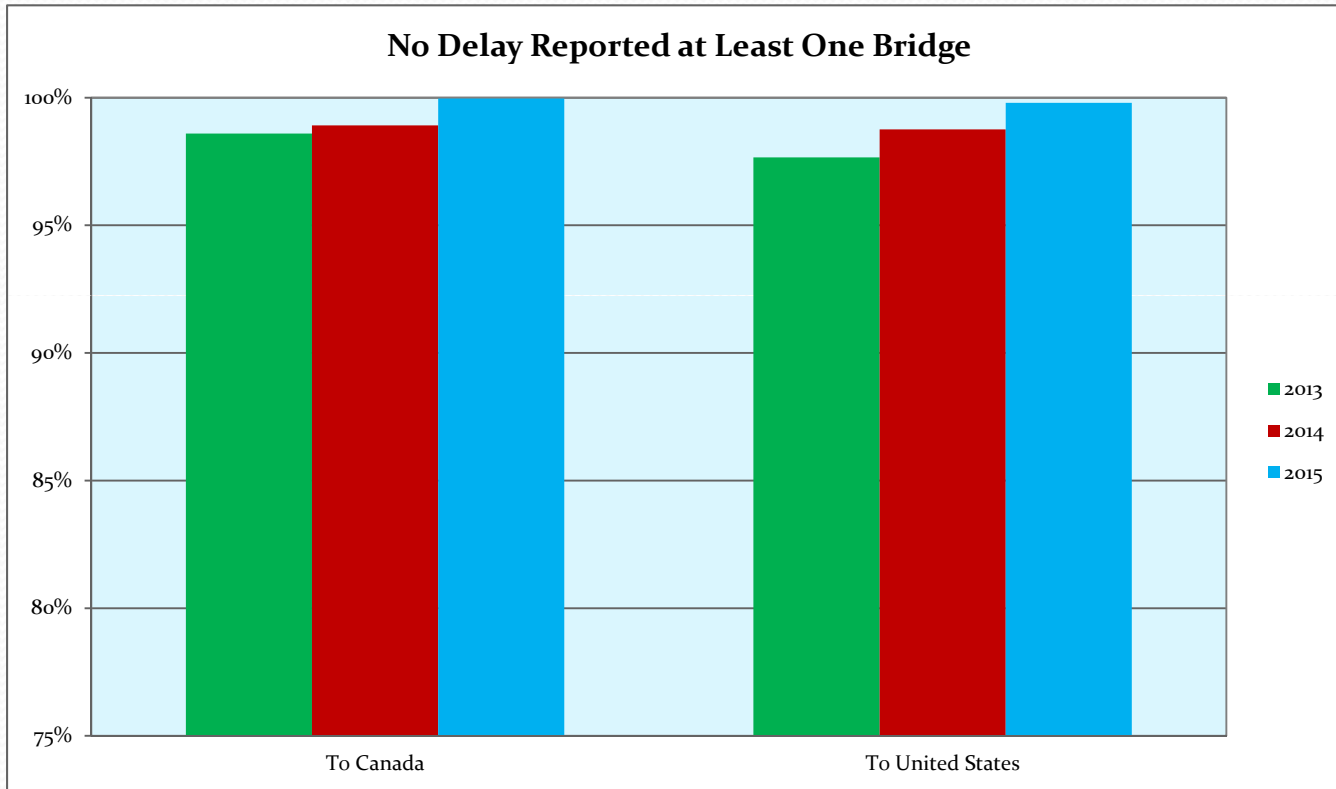
Peace Bridge



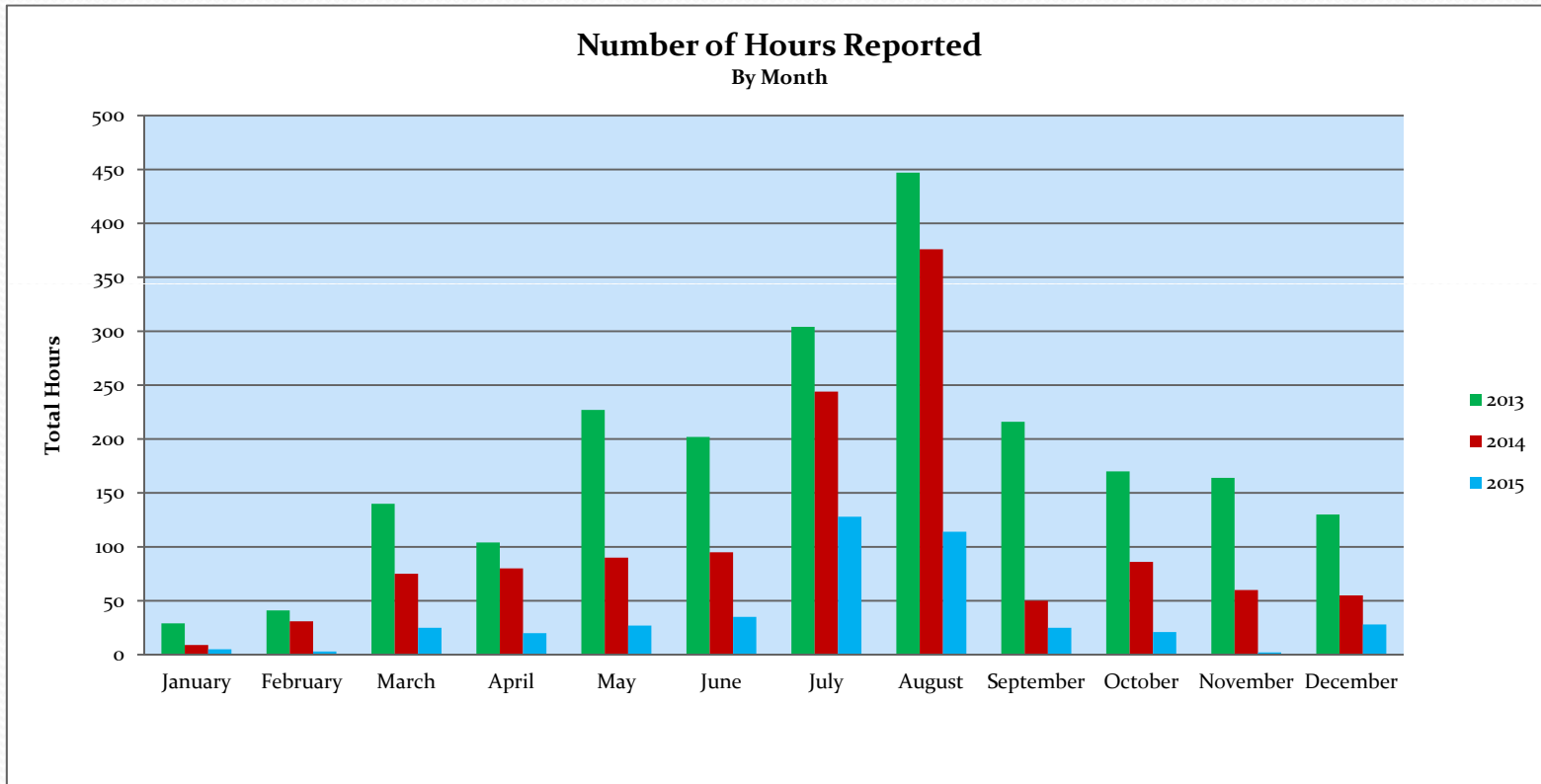
Rainbow Bridge



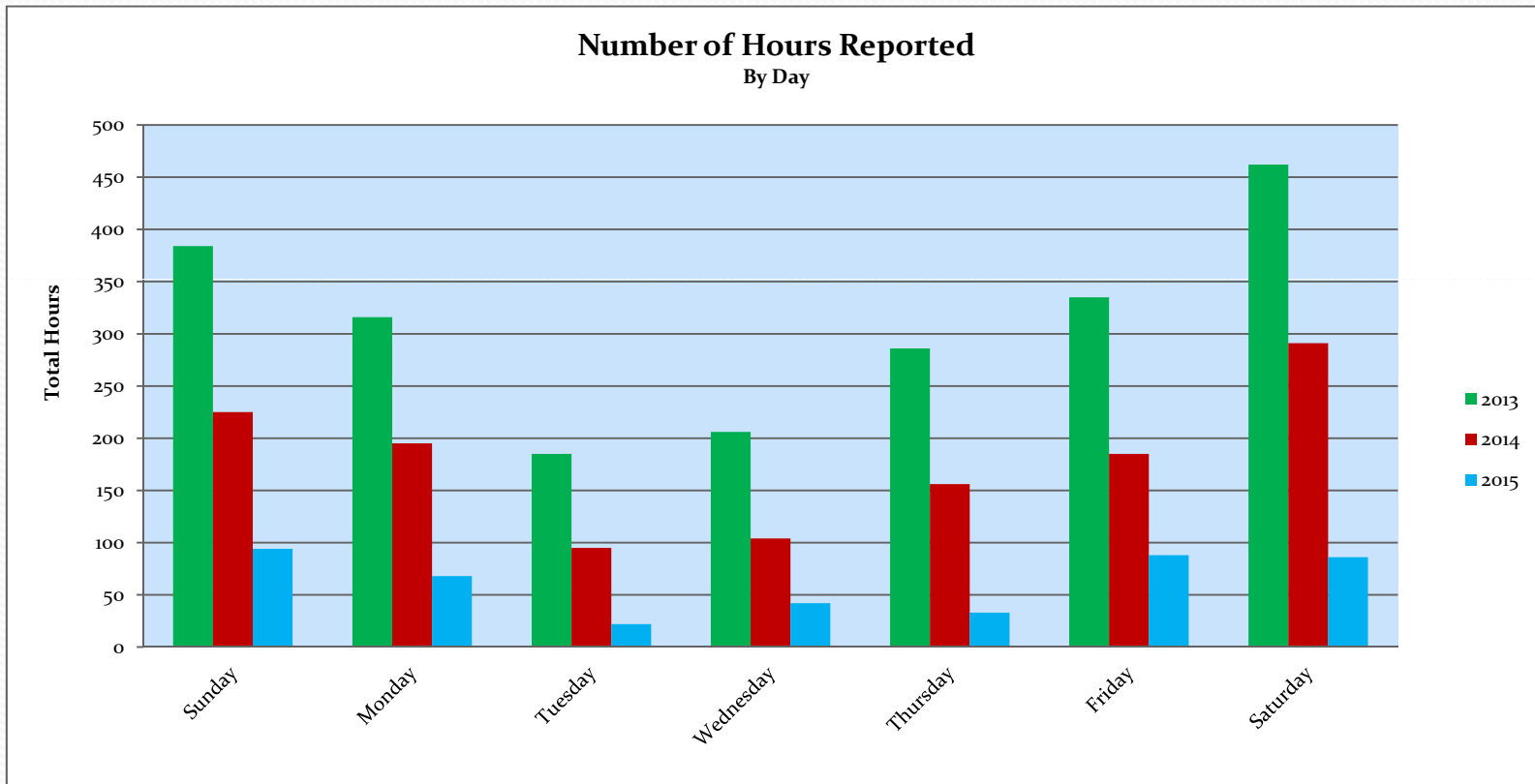
Border Crossing – Delay Data



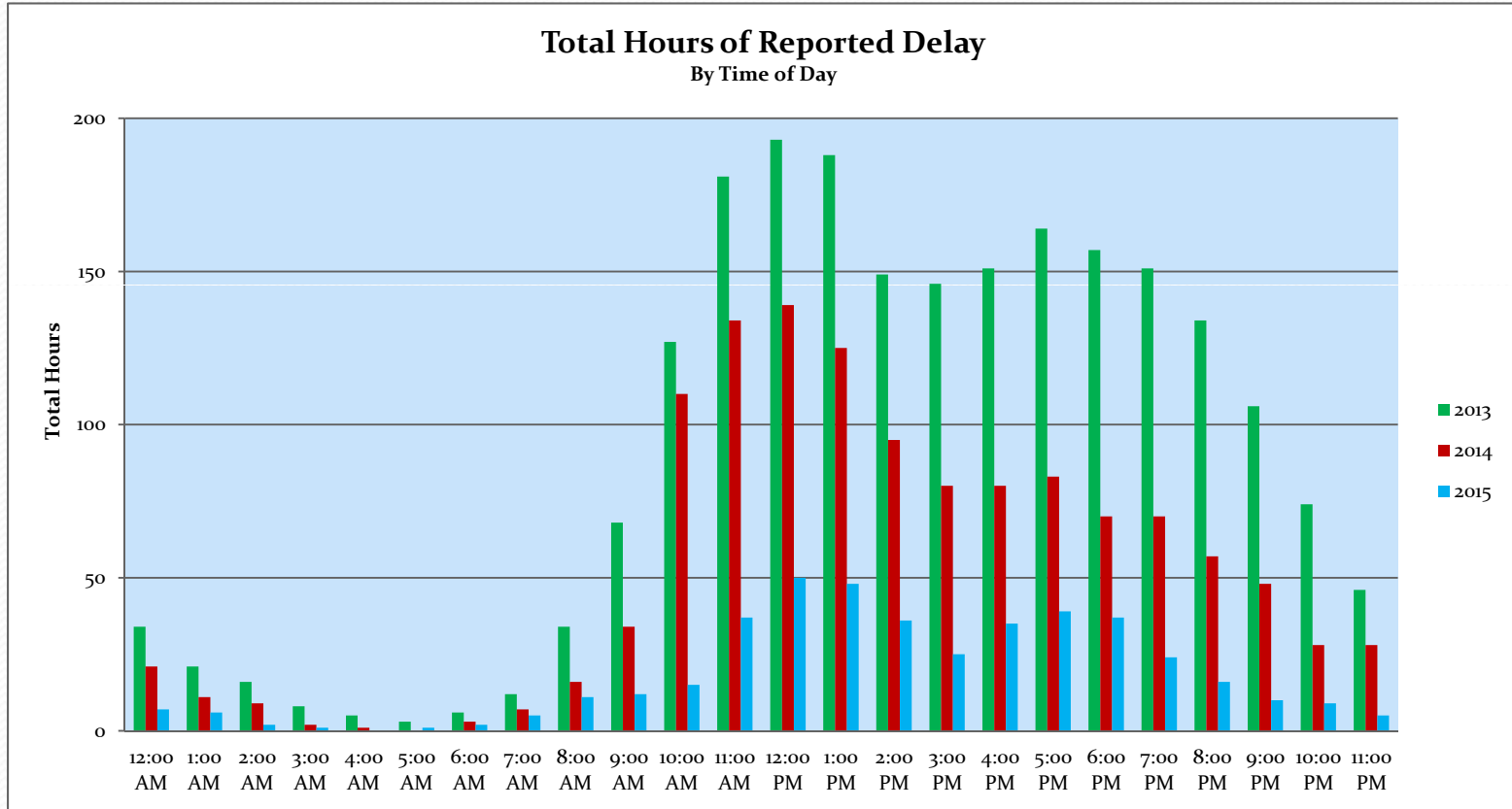
Border Crossing – Delay Data



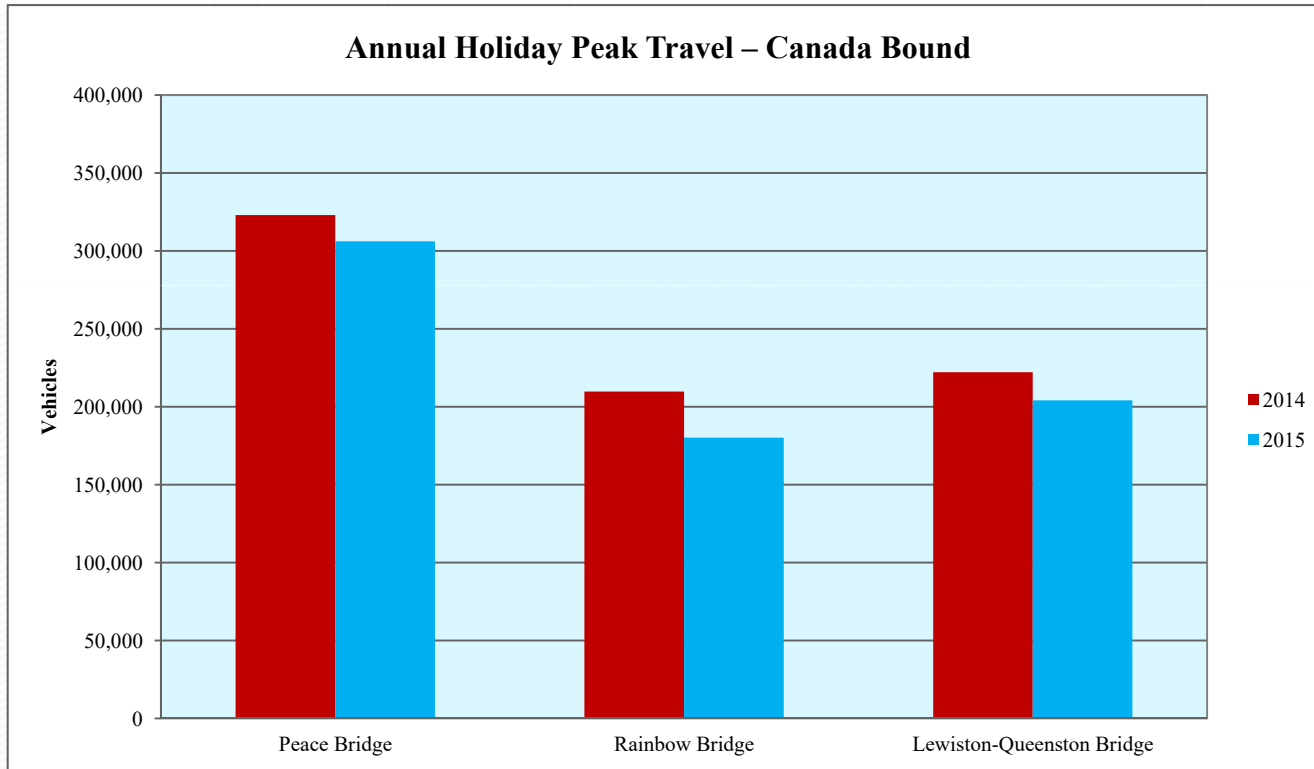
Border Crossing – Delay Data



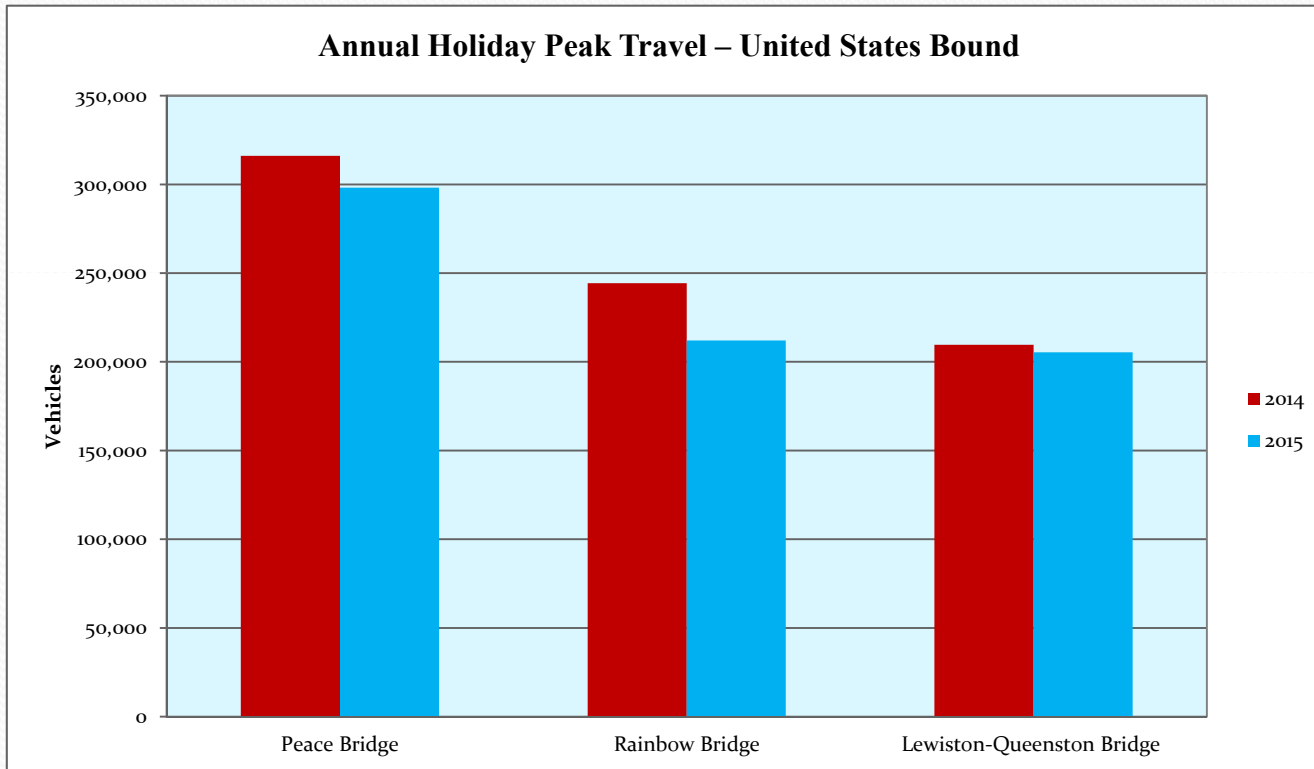
Border Crossing – Delay Data



Border Crossing – Holiday Volume

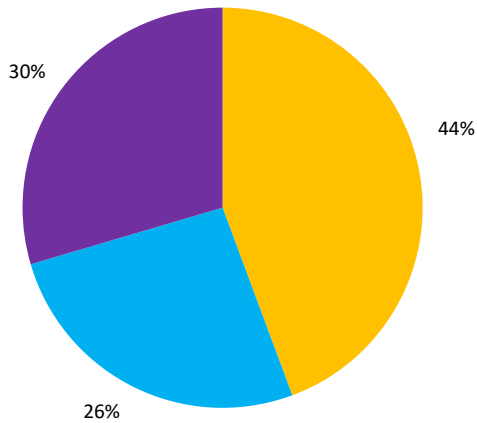


Border Crossing – Holiday Volume

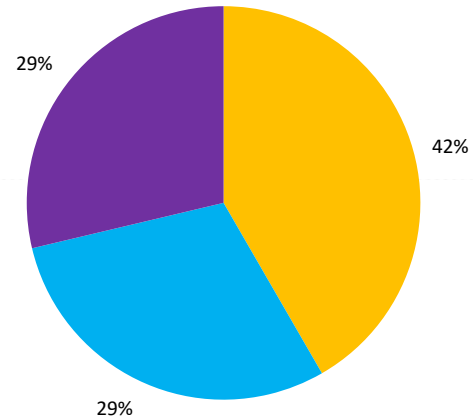


Border Crossing – Holiday Traffic Share

Holiday Traffic Share 2015 – Canada Bound



Holiday Traffic Share 2015 – US Bound



■ Peace Bridge

■ Rainbow Bridge

■ Lewiston-Queenston Bridge



Border Crossing – Data Uses

- NITTEC Annual Report
- Traffic Management Plans
 - Construction Projects
 - Special Events – Sporting, Holidays, Summer
- Technology Deployments
- Staffing Needs
- Regional Model – Scenario Planning



Questions

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