

IMTC

International Mobility & Trade Corridor Program



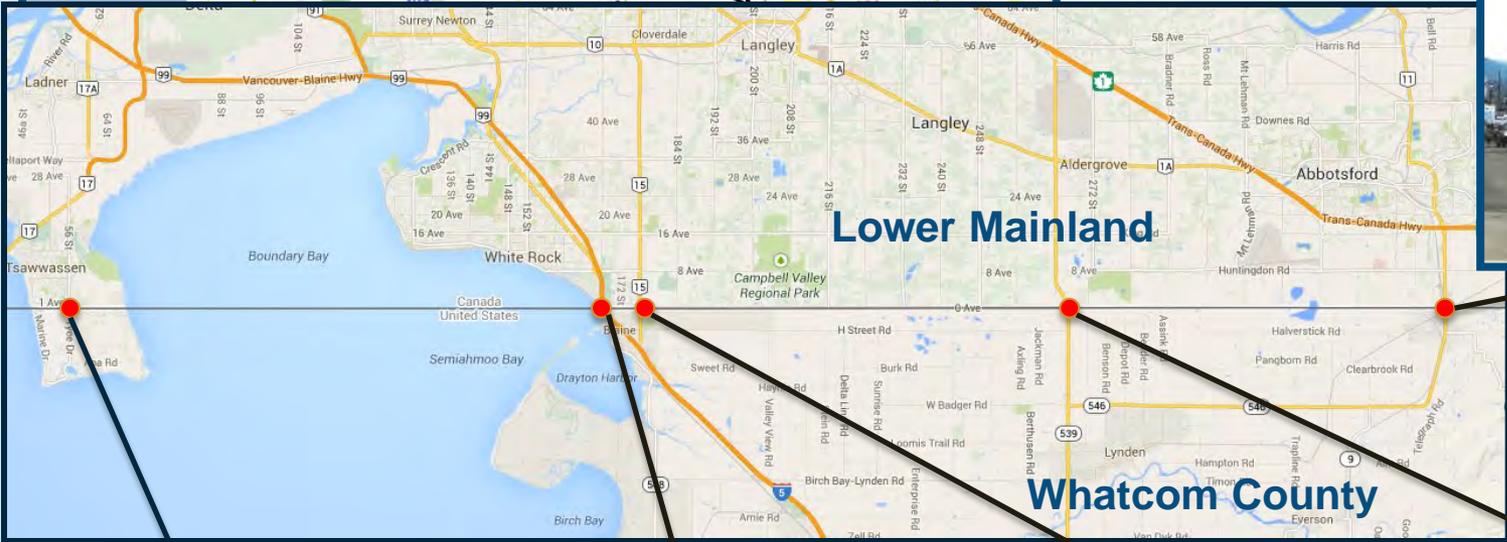
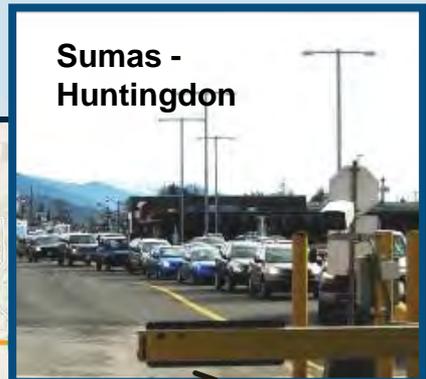
whatcom council of governments

Overview for the WA State Transportation Commission

June 16, 2020

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The Cascade Gateway



Point Roberts – Boundary Bay



Peace Arch - Douglas



Pacific Highway

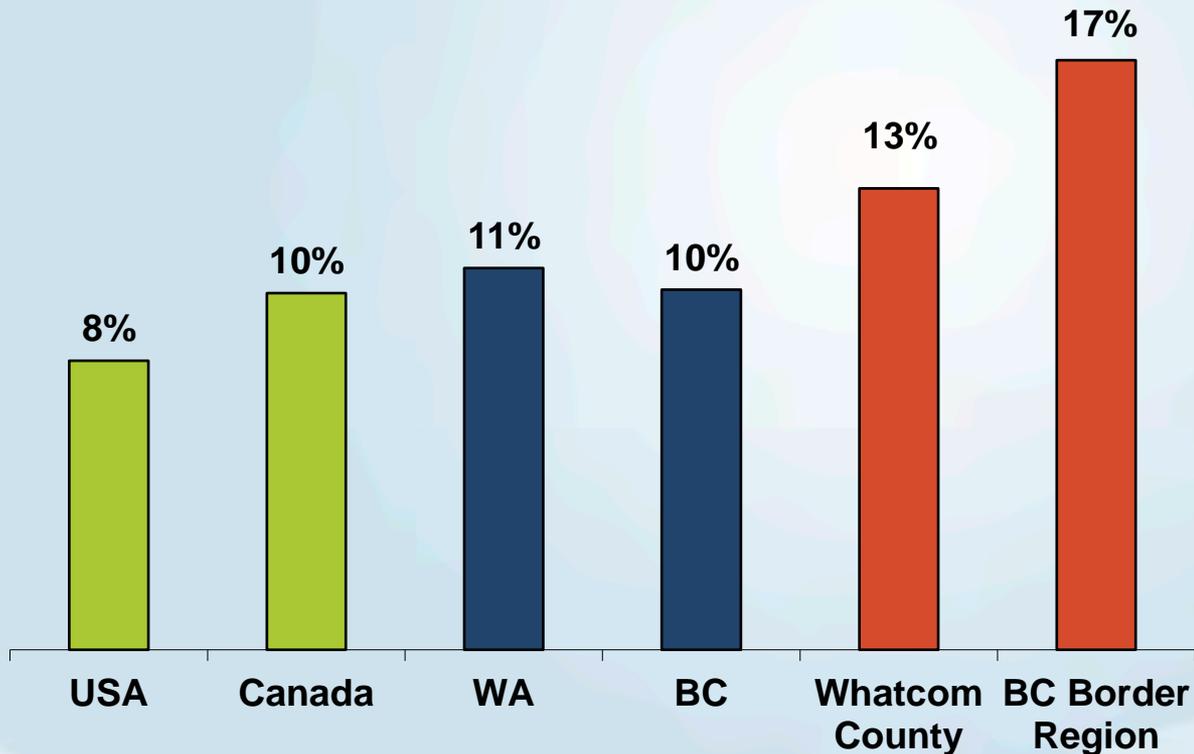


Lynden - Aldergrove



A unique border crossing community

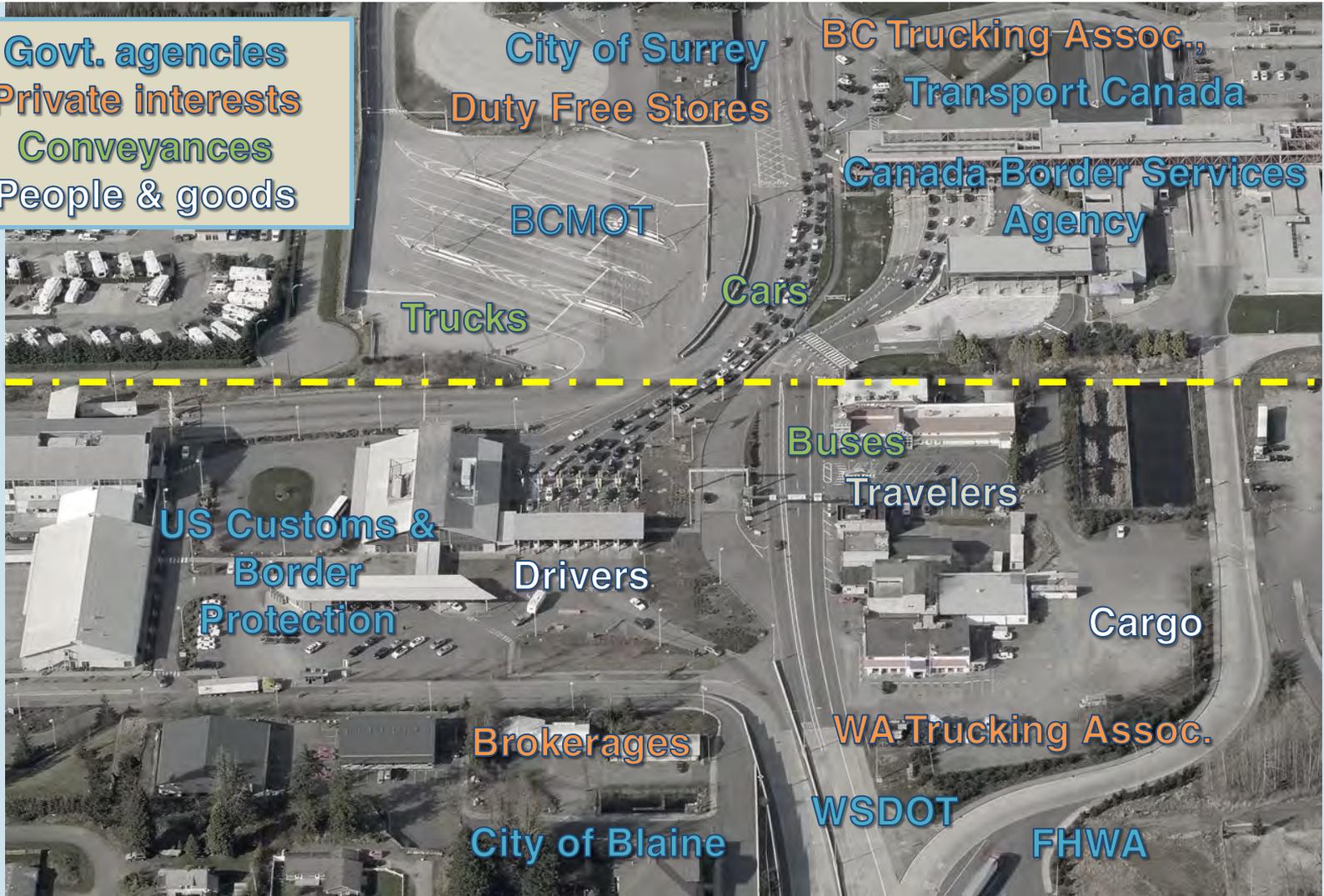
Population Growth, 2008-2018



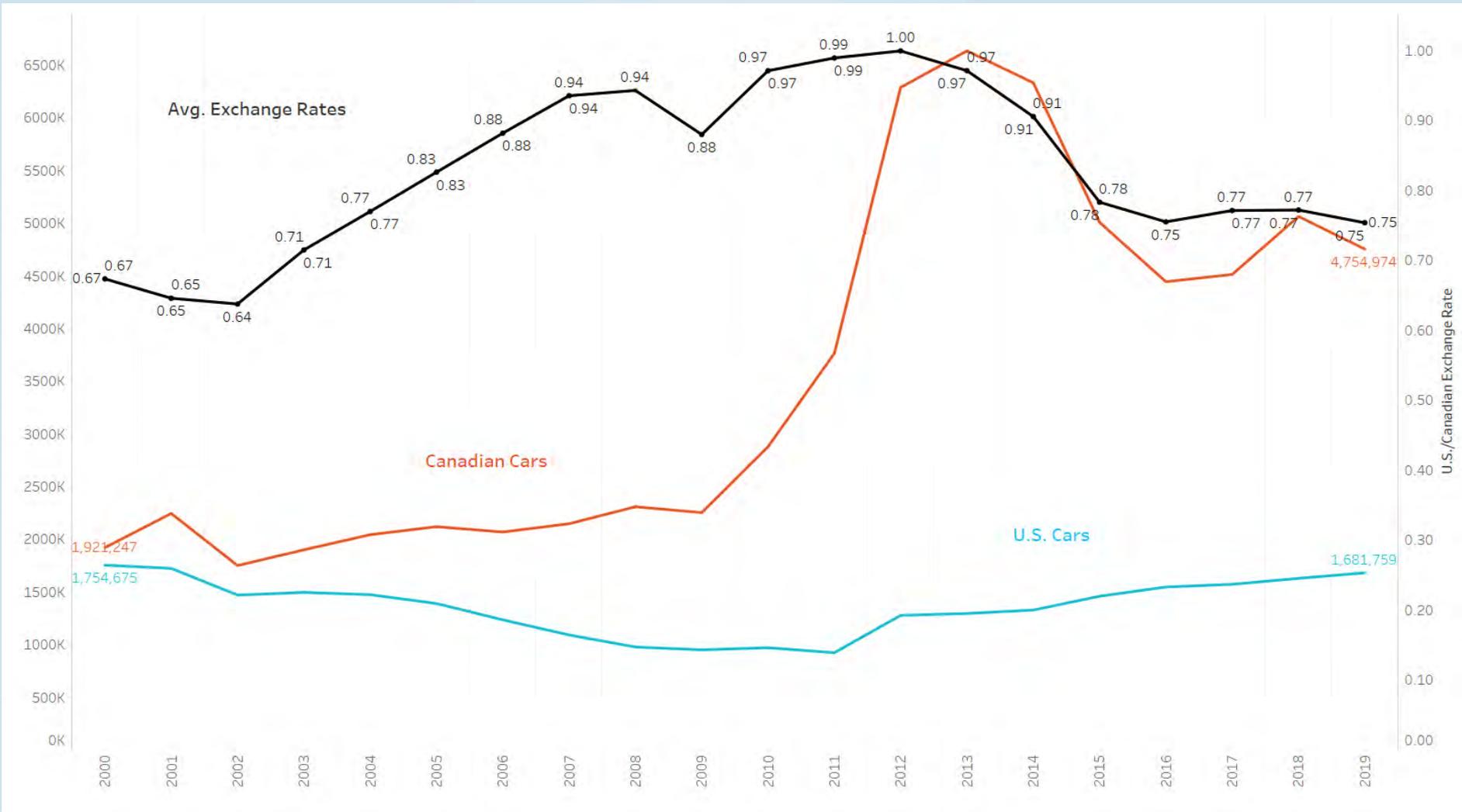
- 76% of border travelers in this region cross at least once a month
- 3rd busiest passenger crossing on U.S. – Canada border.
- The Cascade Gateway has had disproportionate population growth for over 20 years.

Stakeholders at the border

- Govt. agencies
- Private interests
- Conveyances
- People & goods



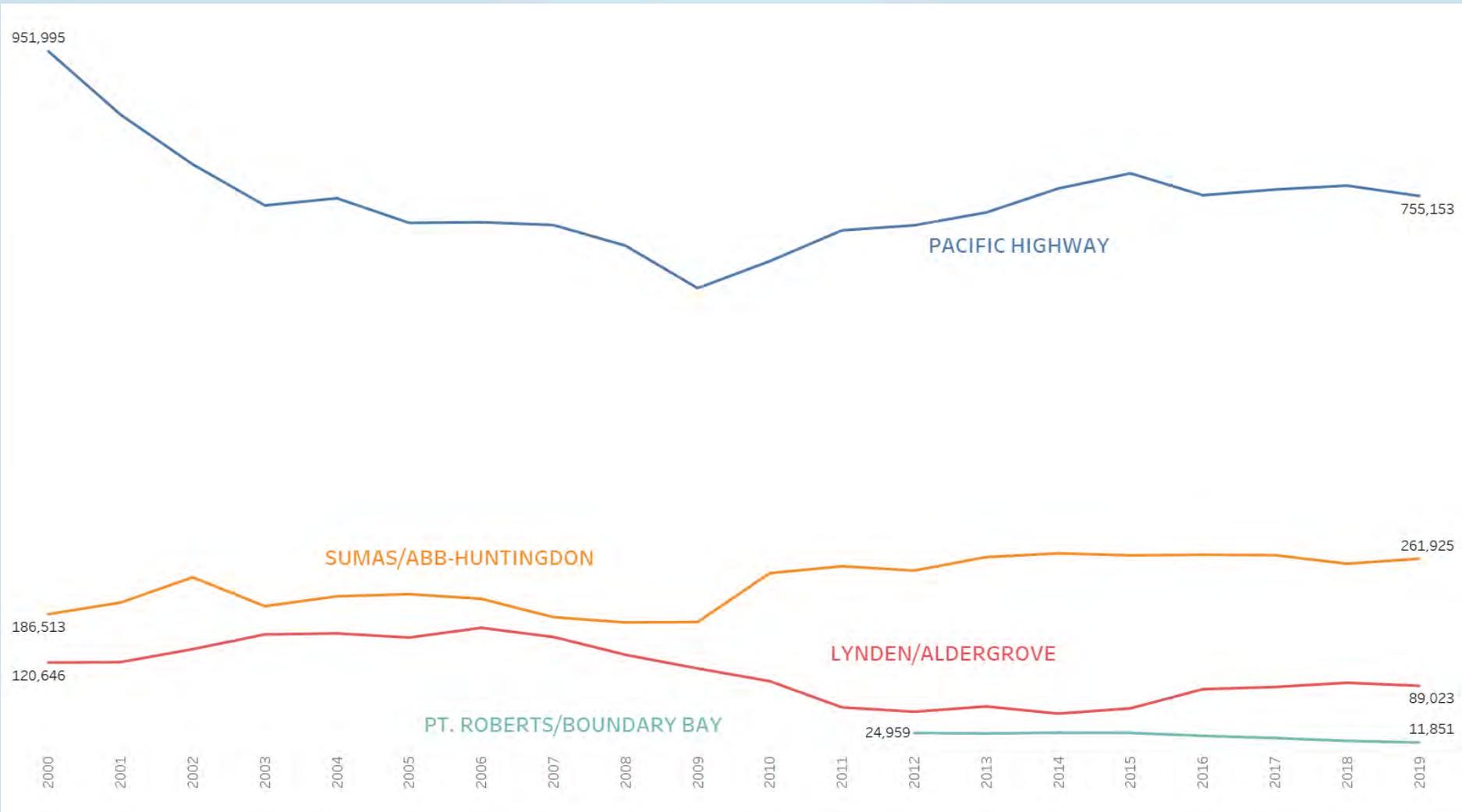
20 years of passenger vehicle volumes



2019 Traffic volume at late 90s levels



20 Years of truck volumes





The IMTC is a U.S. – Canadian coalition of government and business entities that identifies and promotes improvements to **mobility** and **security** for the Cascade Gateway.

IMTC Objectives

- Plan Cascade Gateway as a system
- Improve data collection and information
- Identify and fund needed improvements
 - Infrastructure
 - Operations
 - Technology
 - Security

IMTC Organization

Steering Committee (30)

Meets monthly/bi-monthly
Makes recommendations

Core Group (60)

Meets 2-3 times a year
Makes decisions

General Assembly (100+)

Meets as needed
Dialogue with broad constituency
Provides feedback

What IMTC is:

- ✓ A forum
- ✓ A platform for coordination
- ✓ An informal trust-based coalition
- ✓ A source of border-related data

What IMTC is not:

- ⊘ An agency
- ⊘ A recipient of funds
- ⊘ A source of funds
- ⊘ A policy-making body

IMTC Public Sector Participation

Transportation

- U.S. Federal Hwy Administration
- Transport Canada
- U.S. Federal Transit Administration
- WA State Dept. of Transportation
- B.C. Ministry of Transportation
- Port of Bellingham
- Port Metro Vancouver
- Whatcom Council of Governments
- TransLink
- Whatcom Transportation Authority

Inspection/Enforcement

- Canada Border Services Agency
- U.S. Customs & Border Protection
- U.S. Border Patrol

Other Governmental

- U.S. General Services Administration
- U.S. Consulate, Vancouver
- Canadian Consulate, Seattle
- Local, state, provincial and federal legislators

At-border Municipalities

- Whatcom County, WA
- City of Surrey, BC
- City of Blaine, WA
- City of Lynden, WA
- City of Sumas, WA
- City of Abbotsford, BC
- Township of Langley, BC

IMTC Private Sector & NGOs

Private Sector

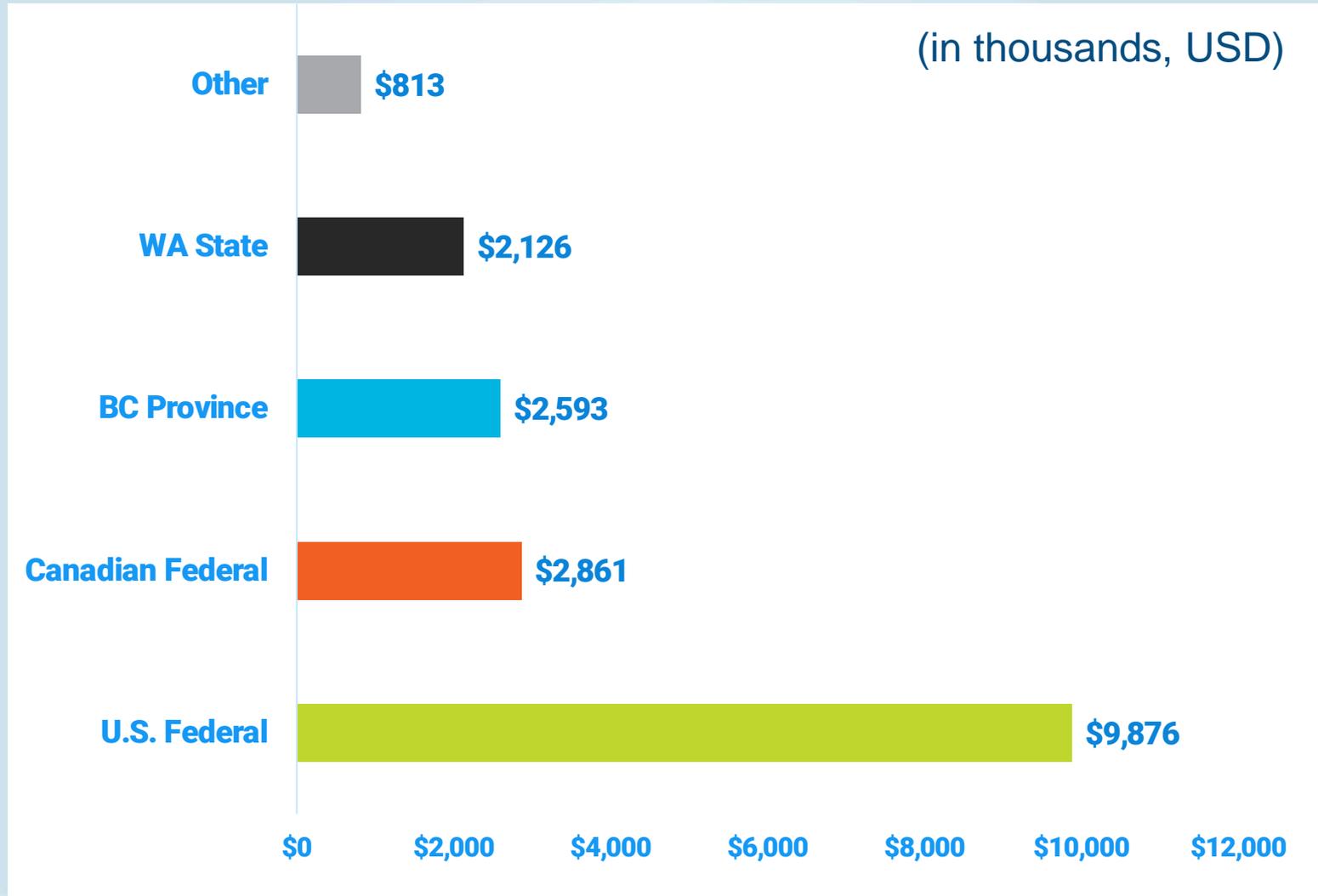
- BC Trucking Association
- WA Trucking Association
- Duty Free stores
- NW Motorcoach Association
- BNSF Railroad
- Amtrak
- Border brokerages

Non-Governmental

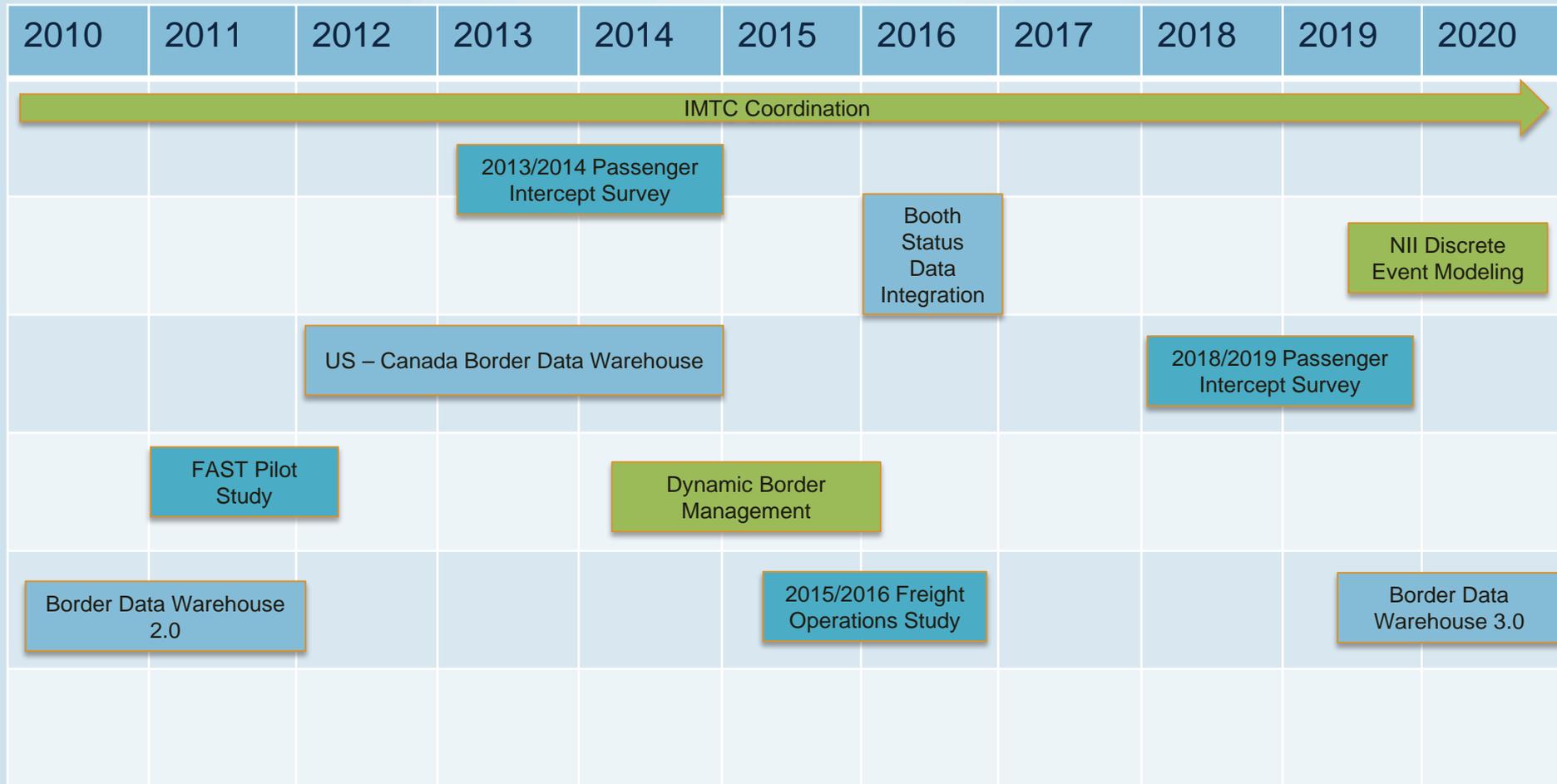
- Chambers of commerce
- Cascadia Center
- Pacific NorthWest Economic Region
- Pacific Corridor Enterprise Council
- Tourism BC
- Vancouver Board of Trade



IMTC Funding, 1999-2020



Summary of IMTC Projects 2010-2020



■ Studies
 ■ ITS
 ■ Infrastructure
 ■ Planning

Current Projects: Border Data Warehouse 3.0 Upgrade

CASCADE GATEWAY BORDER DATA WAREHOUSE

Crossings Detectors Reports Custom Query API

Pacific Highway North Cars - February 2020

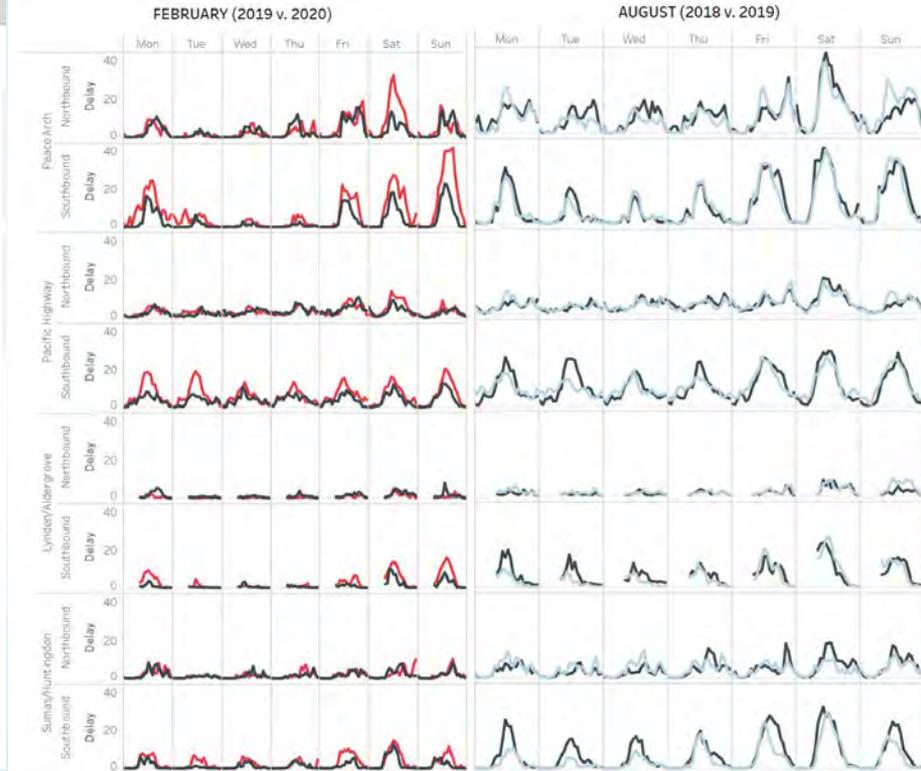
Crossing: 2
 Pacific Highway North Cars
 Year: 2020
 Month: February
 Day: Select

Data Points:
 Volume
 Delay
 Service Rate
 Vehicles In Queue
 Queue Length
 Select all

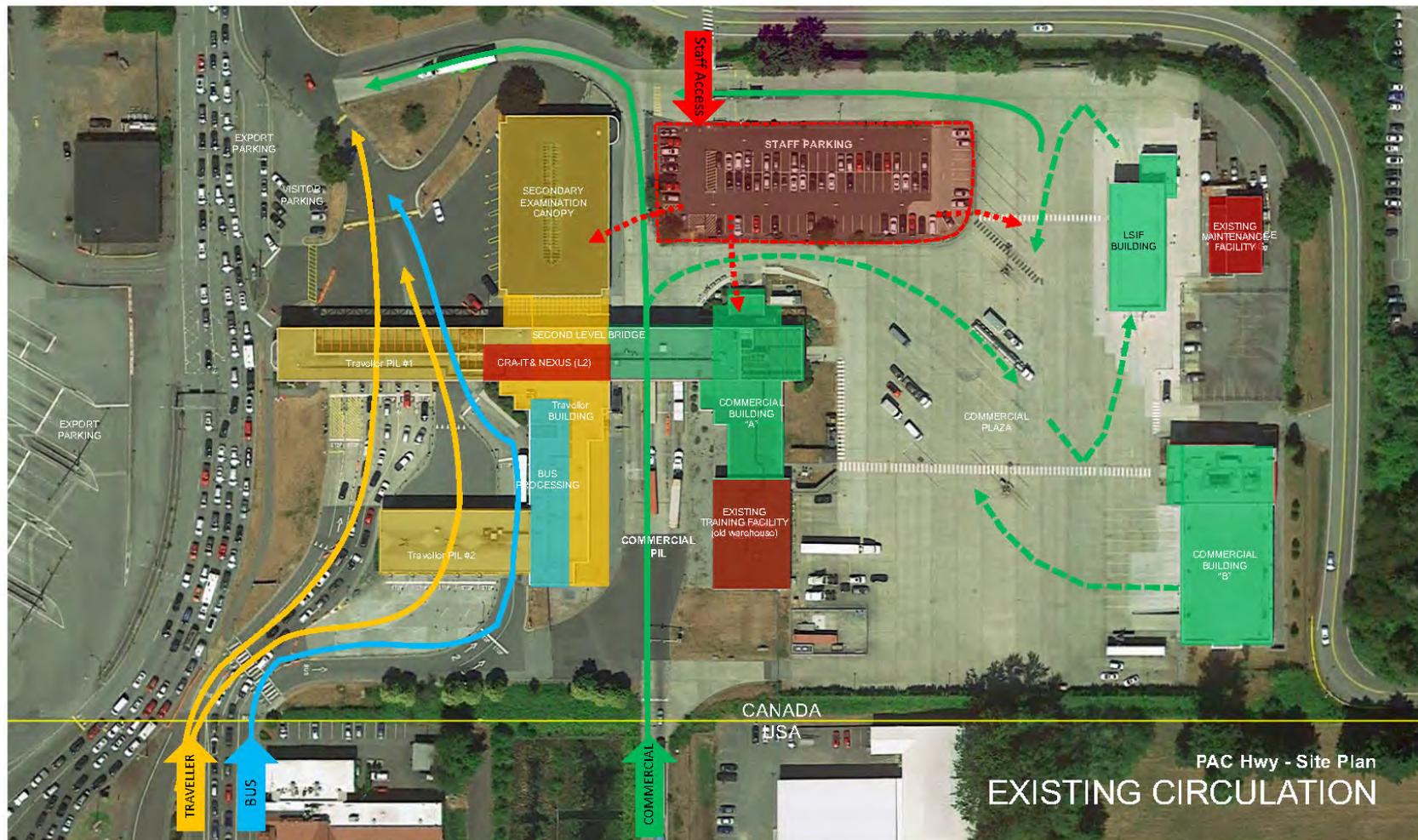
Table Chart Export CSV

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
						Volume: 2522.0 Delay: 4.9
2	3	4	5	6	7	8
Volume: 1971.0 Delay: 4.0	Volume: 2234.0 Delay: 2.8	Volume: 1089.0 Delay: 1.2	Volume: 1425.0 Delay: 2.4	Volume: 2043.0 Delay: 4.3	Volume: 2572.0 Delay: 8.3	Volume: 3340.0 Delay: 10.7
9	10	11	12	13	14	15
Volume: 2808.0 Delay: 4.3	Volume: 2888.0 Delay: 3.2	Volume: 1724.0 Delay: 3.0	Volume: 1998.0 Delay: 2.2	Volume: 2278.0 Delay: 4.8	Volume: 3137.0 Delay: 13.7	Volume: 2816.0 Delay: 18.2
16	17	18	19	20	21	22
Volume: 3395.0 Delay: 8.5	Volume: 3823.0 Delay: 15.5	Volume: 2259.0 Delay: 6.3	Volume: 2535.0 Delay: 4.8	Volume: 2385.0 Delay: 4.4	Volume: 2912.0 Delay: 8.9	Volume: 2946.0 Delay: 8.7
23	24	25	26	27	28	29
Volume: 2782.0 Delay: 7.8	Volume: 1982.0 Delay: 3.9	Volume: 2095.0 Delay: 3.2	Volume: 1858.0 Delay: 2.7	Volume: 2229.0 Delay: 3.1	Volume: 2833.0 Delay: 6.2	Volume: 3162.0 Delay: 12.0

HOW HAVE WAIT TIMES CHANGED SINCE LAST YEAR?



Current Projects: Pacific Highway Port Redesign



Current Projects: Peace Arch Northbound Anti-idling System



Current Projects: Border Simulation Modeling

Scenario 1

- Mixed Empty-NII & FAST loaded approach.
- Dedicated NII primary

Staging area
approach
lanes

Lane designation key

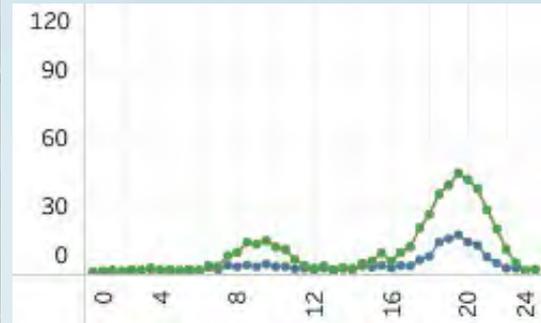
- Standard LOADED
- All EMPTY & FAST loaded
- FAST loaded
- All EMPTY
- All trucks

Holding lanes
& signals

NII

Primary inspection approach lanes

Baseline



Hours of the day

Collaborative Efforts

Communication Protocol – Highway and Border Station Incidents that Affect Cross-Border Travel

- US Customs & Border Protection
- Canada Border Services Agency
- BC Ministry of Transportation
- WA State Department of Transportation
- Royal Canadian Mounted Police
- WA State Patrol
- Transport Canada



Coordinated Planning

Coordinated Construction Schedule

IMTC Cascade Gateway Construction Schedule - V. Sep 19, 2013

Estimated start and end dates. For discussion only.

This schedule portrays **estimated** start and end dates of **active construction phases** of the listed projects so that agencies can maximize awareness of cumulative impacts on traffic on regional cross-border routes and coordinate mitigation and traveler information accordingly.

Project Agency	Project	2013												2014												2015											
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
WSDOT	Guide Meridian Road (SR 539) Access Control	[Green bar from Feb to Oct]																																			
WSDOT	Roundabouts on SR 546	[Brown bar from Feb to Oct]																																			
BC MoT	Highway 99 at 16 Avenue Interchange													[Blue bar from Aug to Dec]																							
Township of Langley	Traffic signal installation at 16th & 248th													[Green bar from Aug to Oct]																							
BC MoT	BC Hwy 13 / 0 Ave / Aldergrove POE reconfiguration and improvements													[Green bar from Aug to Dec]																							
CBSA	Aldergrove POE replacement																									[Green bar from Sep to Dec]											
WSDOT	Guide Meridian Road (SR 539) Port of Entry approach improvements													[Green bar from May to Oct]																							
WSDOT	SR 9 & SR 539 ATIS													[Green bar from May to Oct]																							
BC MoT	BC Hwy 11 NEXUS approach from Vye Rd to Sumas POE													[Orange bar from May to Dec]																							
BC MoT	BC Hwy 15 FAST lane extension from 2nd Ave to 4th Ave	Deferred																																			
Legend	Cascade Gateway Summary																																				
[Blue bar]	Peace Arch - Douglas													[Blue bar from Aug to Dec]																							
[Red bar]	Pacific Highway																																				
[Green bar]	Aldergrove - Lynden	[Green bar from Feb to Oct]												[Green bar from May to Oct]												[Green bar from Sep to Dec]											
[Orange bar]	Abbotsford-Huntingdon — Sumas													[Orange bar from May to Dec]																							
[Brown bar]	General impact	[Brown bar from Feb to Oct]																																			

Coordinated Planning



IMTC 2019 Future Project List

1. RFID Travel Document Targeted Distribution Pilot & Performance Evaluation
2. Pacific Highway Cross-Border Pedestrian Route Improvements
3. Coordination of Binational Planning – The IMTC Program
4. Cascade Gateway Border Circulation Analysis Phase II
5. WA State Route 548 Rail Grade Separation Study/Design
6. Commercial vehicle wait-time assessment/validation
7. Additional Passenger Inspection Booths at CBP Pacific Highway
8. Pacific Highway Southbound Lane-to-Booth Traffic Flow Improvements
9. Pacific Highway Northbound Active Lane Management
10. Bluetooth/Wi-Fi Border Wait Time System
11. Cascade Gateway Border Data Warehouse 3.0 Upgrade
12. CBSA Pacific Highway Port-of-Entry Redevelopment
13. Douglas Metered Arrival Signal System/Anti-Idling Zone
14. Abbotsford-Huntingdon/Sumas & Aldergrove/Lynden Assessment
15. Regional Cross-Border Mail Study
16. Boundary Bay Port-of-Entry Redevelopment
17. Commercial Vehicle Freight & Operations Study

Data Collection

Studies

- PACE study
- 2000 trade and travel
- Abbotsford-Sumas
- Rail
- Transit
- ITS-CVO
- Blaine APDR
- Shortsea Shipping
- 2006 CVO Study
- 2008 travel study
- Border circulation analysis
- Lynden/Aldergrove study
- 2009 CVO study
- FAST pilot study
- 2013 travel study

Resources

- Website data
- Border data warehouse
- Annual resource manual
- Databases upon request
- Individualized reports



Indicators of effectiveness

PACIFIC HIGHWAY WAIT TIME ESTIMATES

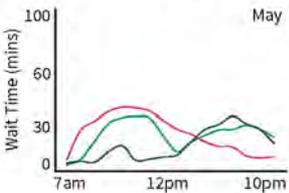
Data sources: Cascade Gateway
Border Data Warehouse
(cascadegatewaydata.com)
Data compiled by: Whatcom
Council of Governments

WEEKEND

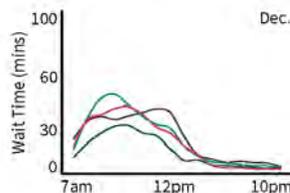
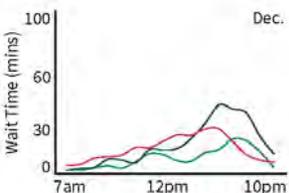
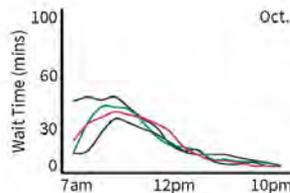
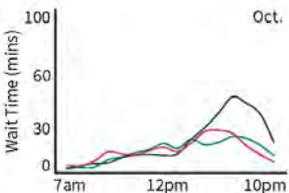
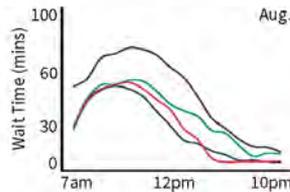
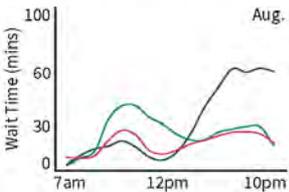
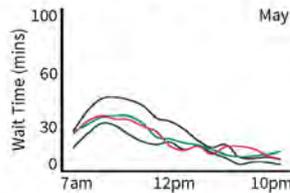
2007 2009 2011 2012

Note: Figures are estimates and may be affected by construction or other factors. Weekday data averaged Mon. - Thurs. Weekend data averaged Sat-Sun. 2010 data not used due to heavy construction that year at multiple ports of entry.

NORTHBOUND



SOUTHBOUND



System performance

Collaborative efforts

Binational funding

Coordinated strategies

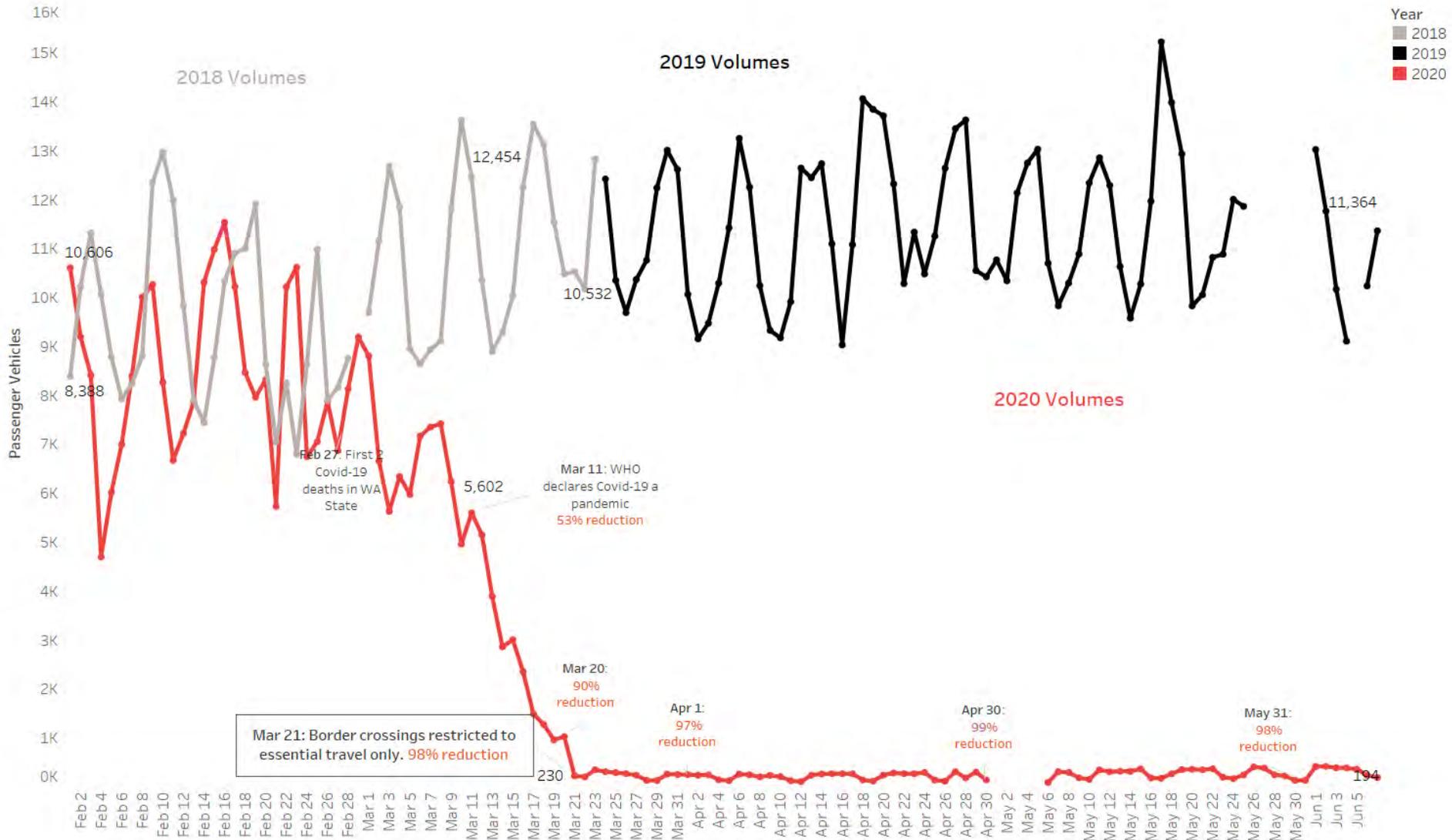
\$40 million in binational funding for regional priorities

Unparalleled levels of partnership

National best practice

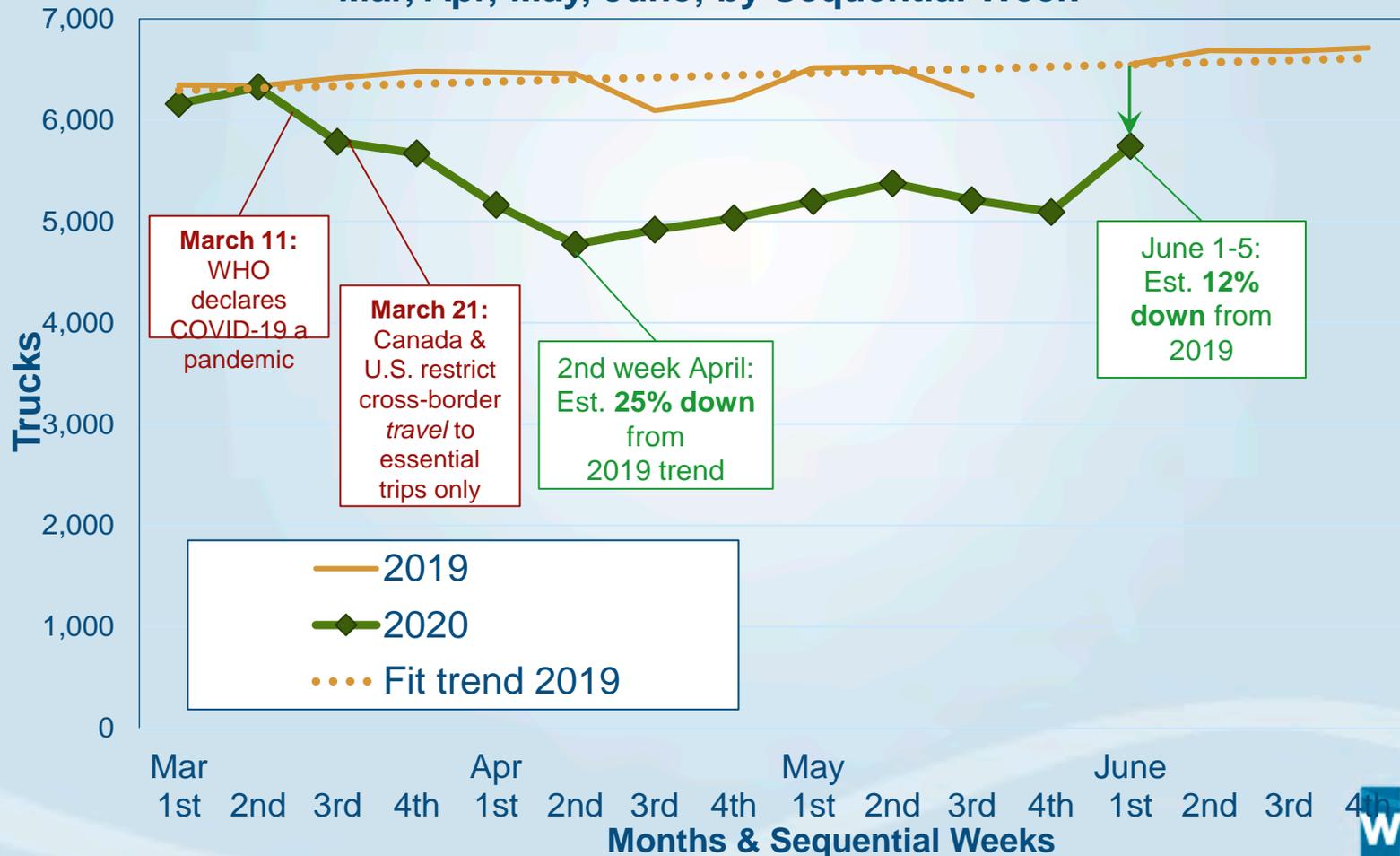
Informing national policy (Beyond the Border Action Plan)

Current Status with Covid-19: Southbound Peace Arch/Pacific Hwy Auto Volume



Current Status with Covid-19: Northbound Pacific Highway Truck Volume

2019 vs. 2020; Weekly (Mon-Fri) Cross-border Truck Volume;
Northbound Pacific Highway;
Mar, Apr, May, June; by Sequential Week



Future challenges and opportunities

- **End of FHWA Coordinated Border Infrastructure funding**
- **Opportunities to leverage U.S. with Canadian funding**
- **Small investments for national trade flow impacts**



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