

Triangle Task Force

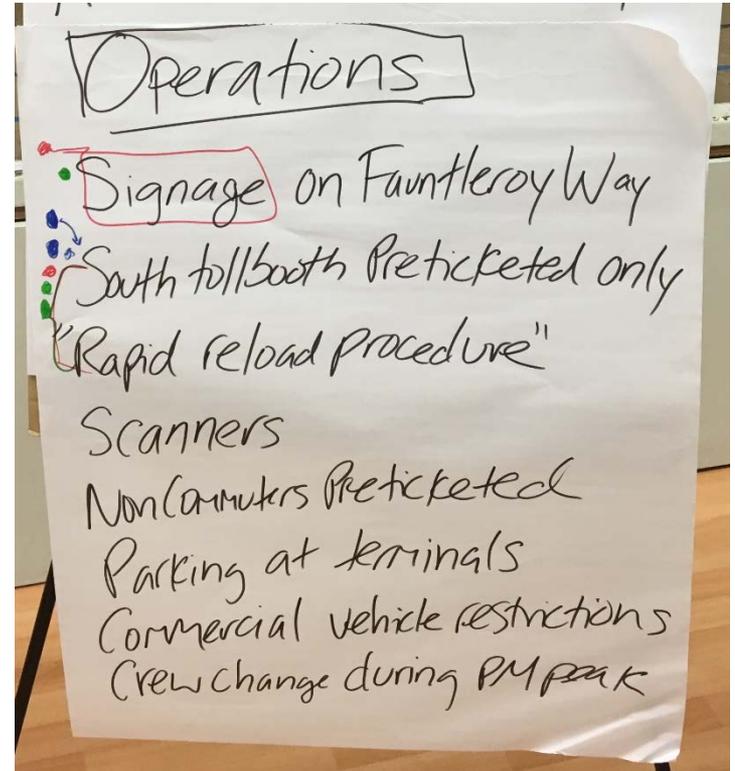
Washington State Ferries

January 18, 2018

Tollbooth operations

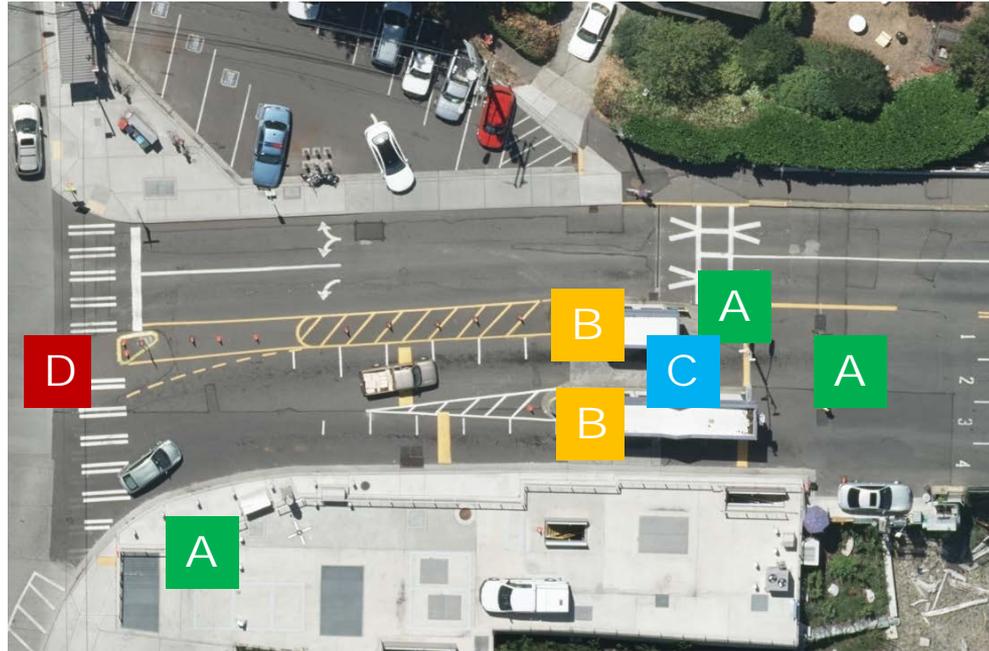
How did we get here?

- Comments from September public meetings
- Follow up conversations with the Task Force (Dot exercise)
 - **Using the south tollbooth at Fautleroy as a pre-ticketed only line (6 dots)**



Current configuration

- **Prototype Features**
 - A. 3 employees**
 - Scanner
 - Traffic director
 - Splitter
 - B. Dynamic signs fully used**
 - C. Total sales/redemption**
 - D. Police officer directs traffic and keeps approach clear**

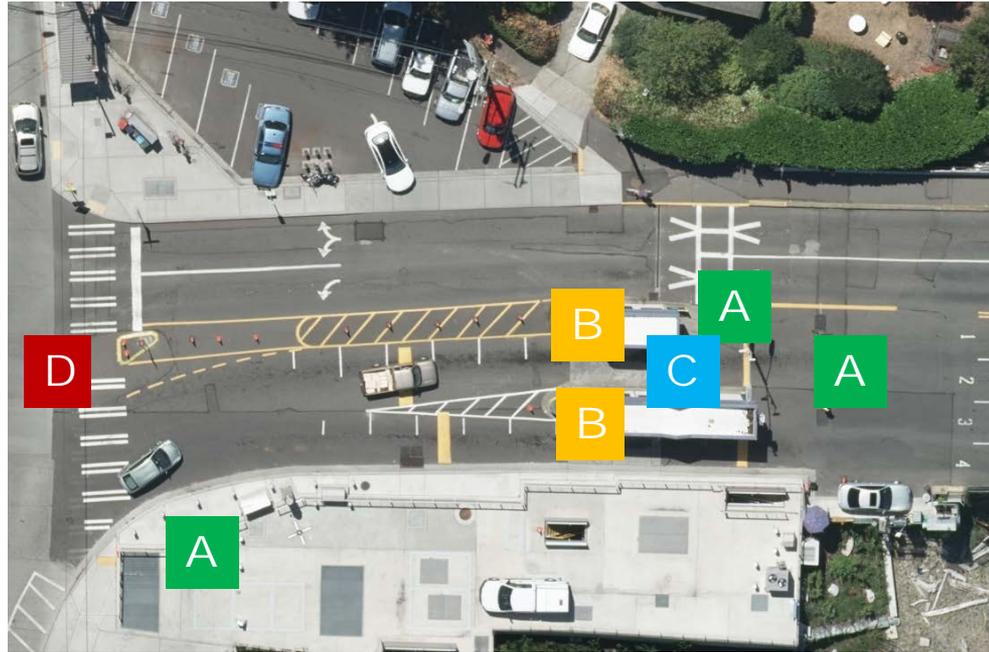


Potential adjustments

- **Prototype Features**

- **B. Dynamic signs fully used**

- Only for single destination sailings
 - 15:00 – 18:00 hours
 - “Pre-Ticketed Vashon” or “Pre-Ticketed Southworth”
 - Preference is to use south tollbooth
 - Used for final 4-5 minutes of loading (exit lanes)
 - Training required for SPD officer and splitter



Single destination sailings:

15:00 (V), 15:35 (SW), 16:00 (V), 16:20 (SW), 16:45 (V)

Benefits

- Can help fill approx. 10-15 empty spaces on the boat
- Serves both Southworth and Vashon communities
- No extra staff needed
- Potential for improvement

Potential challenges

- How much is changing the signs too much?
- Could add confusion to loading
- Possibility of cars blocking pre-ticketed lane
- Room for miscommunication between splitter, director, and officer (minute-by-minute traffic management)
- Not fully utilizing both tollbooths

Timeline to implementation

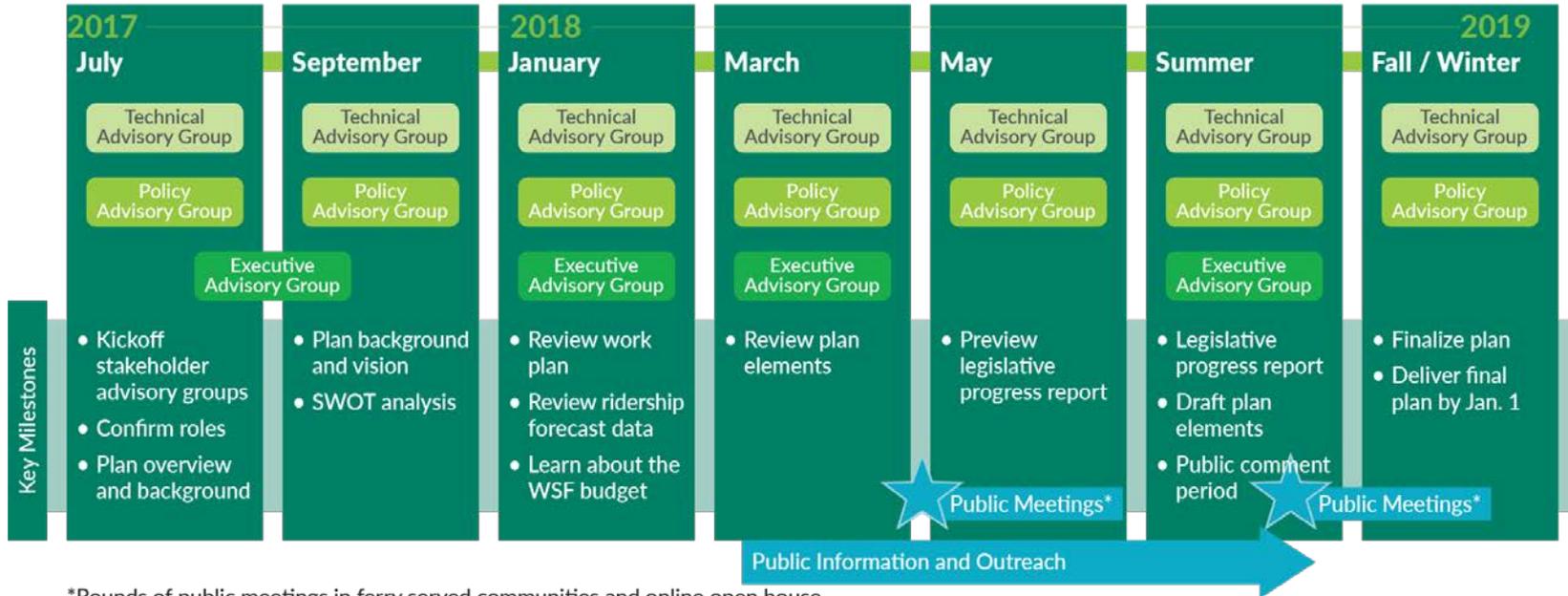
- **January- Early Feb:** Review potential adjustments to tollbooth procedure
- **Feb. 12-15 (President's Day weekend):** Staff training and testing
- **March:** Evaluate the success or failure of adjustments
- **April 1:** Spring schedule begins

2040 Long Range Plan

2017 Ridership totals

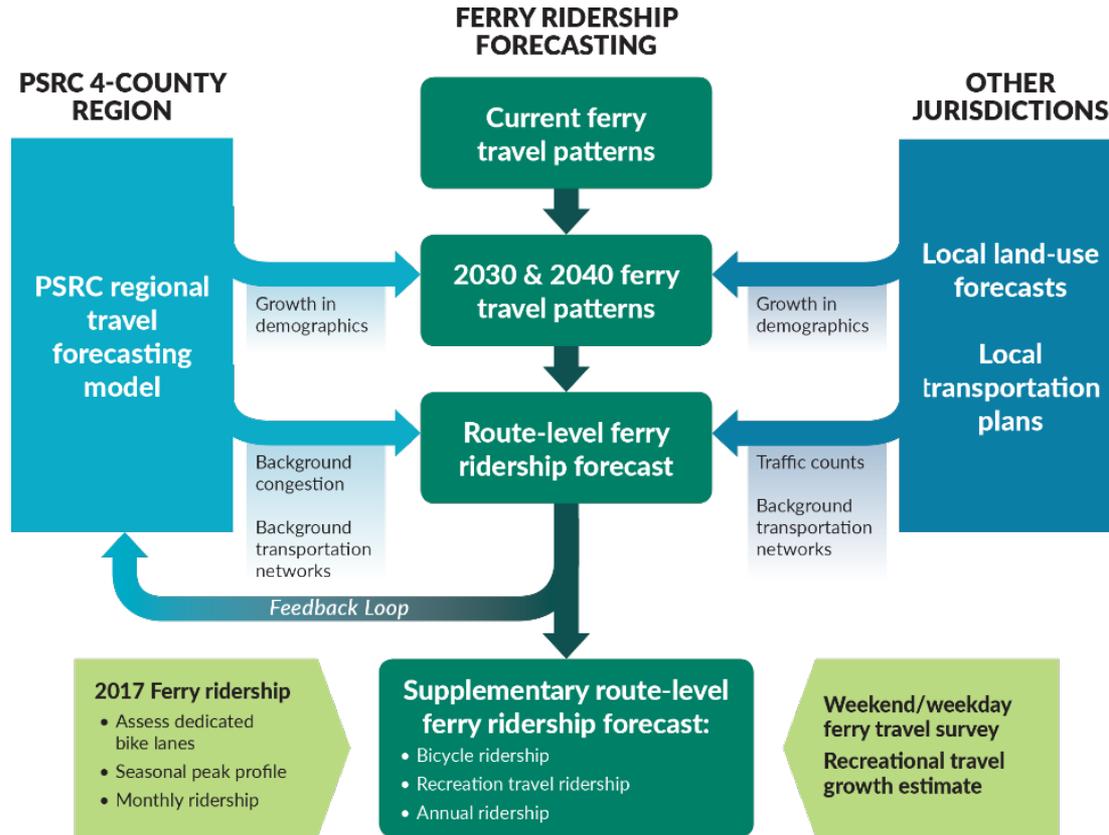
	Total	Vehicles	Passengers
Fauntleroy/Vashon <i>Percent change</i>	1,975,082 <i>(-0.5%)</i>	1,090,108 <i>(-1.3%)</i>	884,974 <i>(+0.6%)</i>
Fauntleroy/ Southworth <i>Percent change</i>	945,377 <i>(+8.2%)</i>	566,174 <i>(+8.0%)</i>	379,203 <i>(+8.5%)</i>
Southworth/Vashon <i>Percent change</i>	190,442 <i>(-5.1%)</i>	105,480 <i>(-3.7%)</i>	84,962 <i>(-6.8%)</i>
Fauntleroy/Vashon/ Southworth Totals	3,110,901 <i>(+1.7%)</i>	1,761,762 <i>(+1.3%)</i>	1,349,139 <i>(+2.1%)</i>

Long Range Plan Stakeholder and Community Outreach



*Rounds of public meetings in ferry served communities and online open house.

Ridership Forecast Model

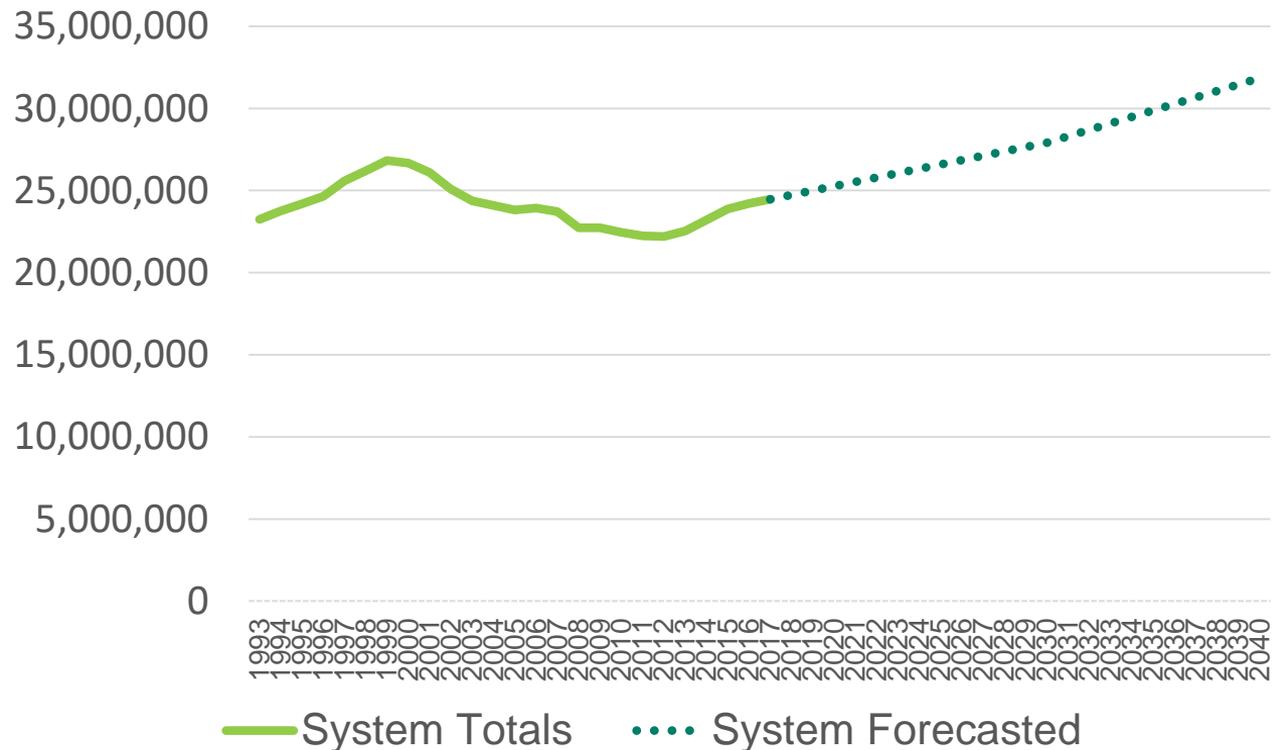


Preliminary Ridership Forecast

Key Findings

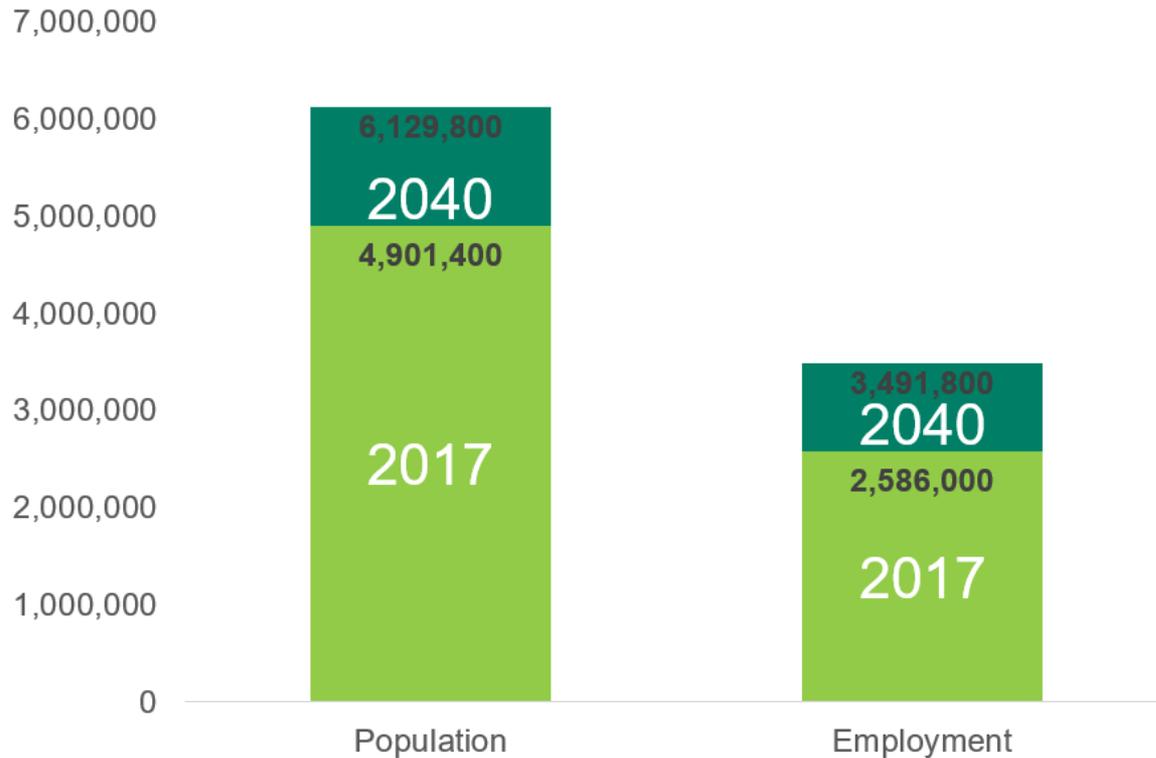
- The last 15 years, yearly ferry ridership growth between -4 and +2.9 percent
- Annual growth forecasts by 2040:
 - Population: 1 percent
 - Households: 1.2 percent
 - Employment: 1.3 percent
 - Ferry ridership: 1.2 percent
- Overall ferry ridership growth by 2040: 30 percent

WSF Ridership History (1993-2017) and Preliminary Forecast (2018-2040)

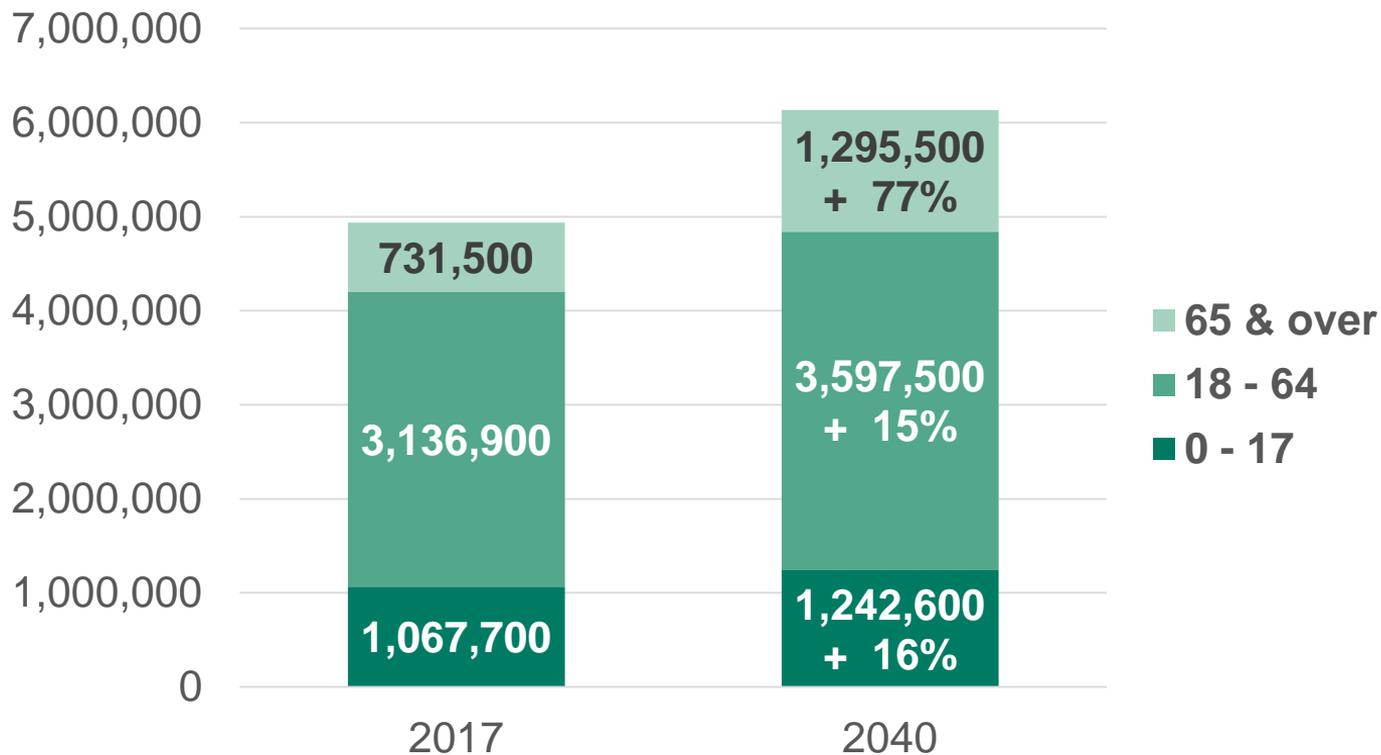


Sources: WSF Traffic History and WSF Baseline Ridership Forecasts

Population and Employment in the 12 County Area for 2017 and 2040

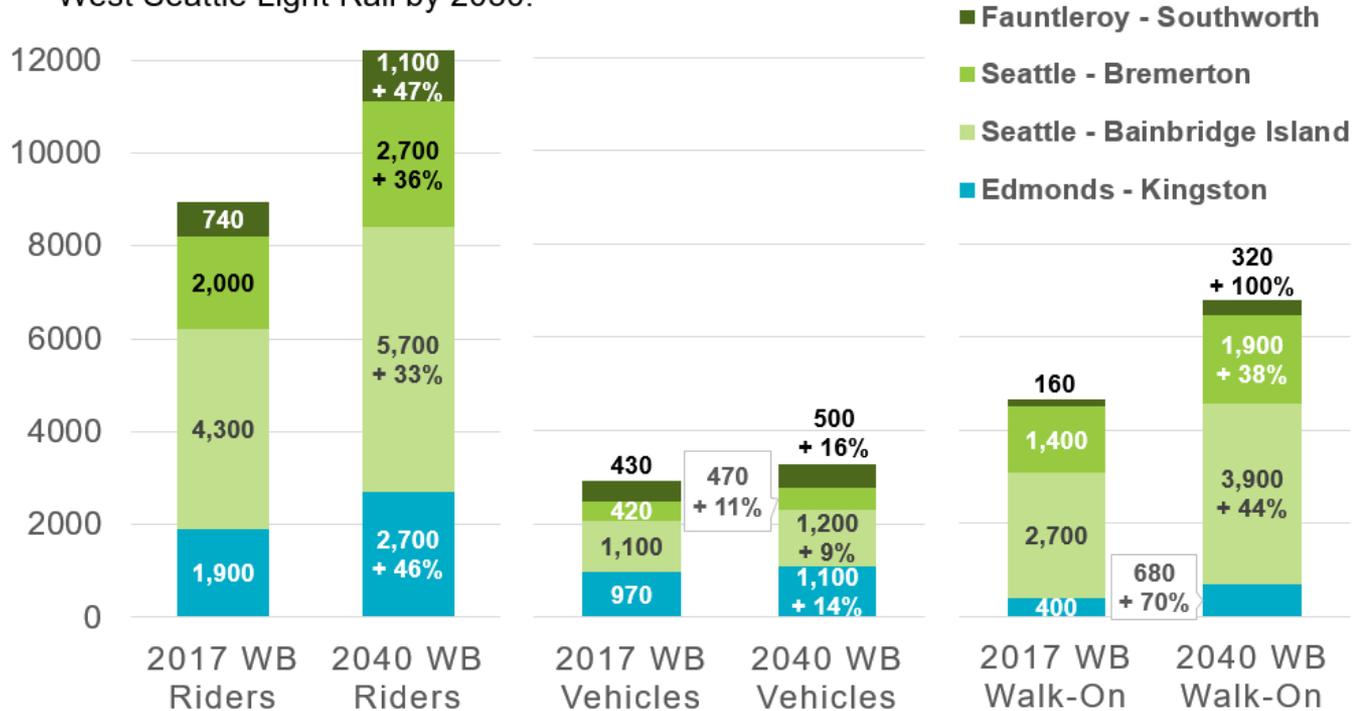


WSF Service Area 12-County Age Demographics



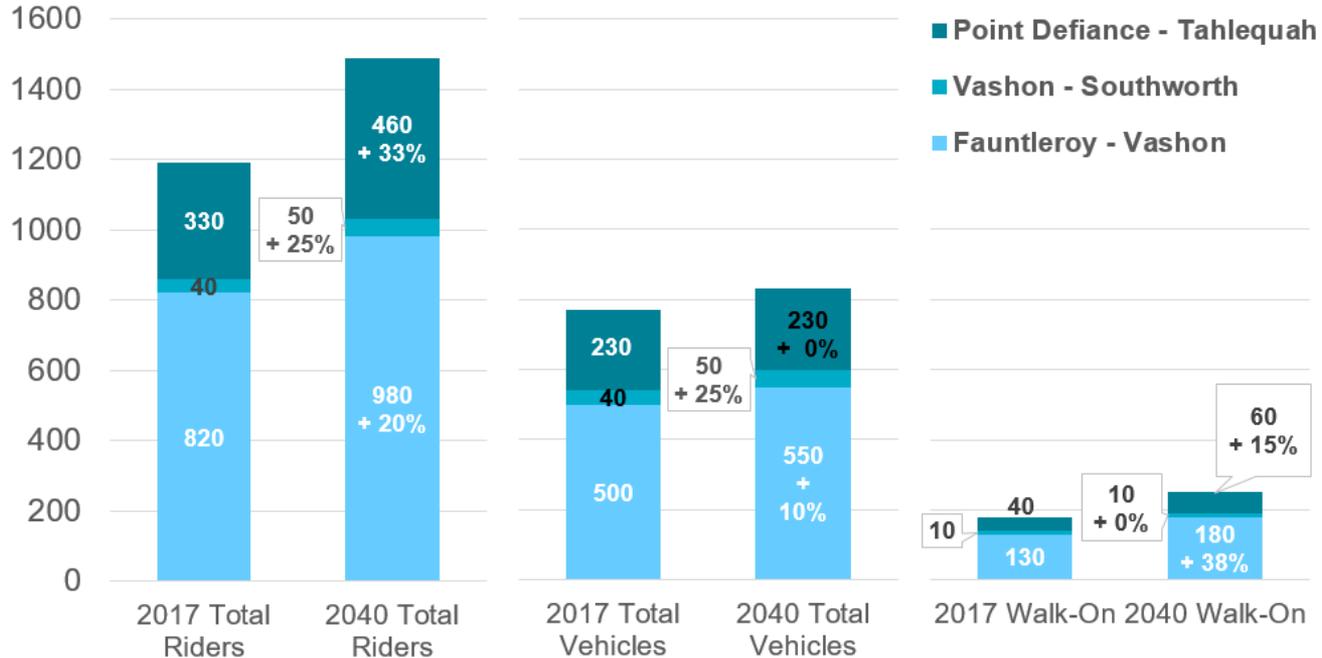
Key findings: Kitsap Westbound PM Travel

- 2040 population and employment increases 41% from 2017.
- Riders 65+ fastest growing demographic.
- West Seattle Light Rail by 2030.



Key Findings: Vashon Island PM Travel

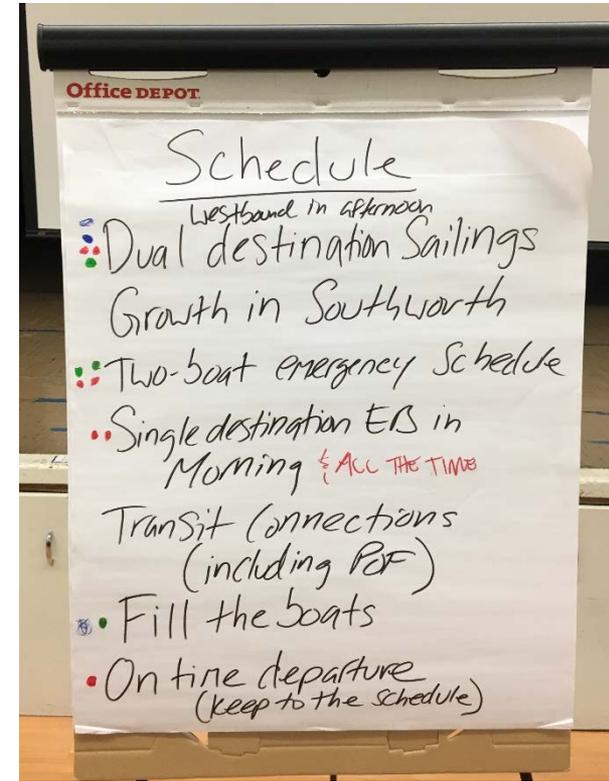
- Vashon Island 2040 population increases 18% from 2017.
- Employment increases 7% from 2017.
- Landside road changes impact travel.



Schedule concepts

How did we get here?

- Comments from September public meetings
- Follow up conversations with the Task Force
- Highest number of dots in dot exercise:
 - **Modifying the regular weekday sailing schedule looking at:**
 - Dual destination sailings westbound in the afternoon
 - Filling the boats
 - Single destination sailings eastbound in the morning or all the time
 - Keeping to the schedule (on time departure)



Sailing schedules must meet varying constraints

Fall 2014 Sailing Schedule
Effective: September 21 to December 27, 2014

Point Defiance-Tahlequah

Leave Point Def

- 0505
- 0555
- 0645
- 0735
- 0825
- 0915
- 1005
- 1055
- 1145
- 1235
- 1340
- 1440
- 1540
- 1635
- 1730
- 1830
- 1925
- 2025
- 2130
- 2230

* M-F: Mor
SS: Sat

DECK SCHEDULE
2014 Fall Schedule

ROUTE: POINT DEFIANCE/TAHLEQUAH
RELIEF: POINT DEFIANCE
TIE-UP: POINT DEFIANCE
Effective: September 21, 2014 - December 27, 2014

WEEK (1)

	AM	PM
SUN	0540-1340 (A) 8	1325-2325 (C) 10
MON	0450-1250 (A) 8	1325-2325 (C) 10
TUE	0450-1250 (A) 8	1325-2325 (B) 10

VESSEL: KDT
A - 8's
B - 10's
C - 10's

Fall 2014 Sailing Schedule
Effective September 21, 2014 through December 27, 2014

Point Defiance / Tahlequah
Crossing Time Approximately 15 minutes

Daily

Leave Point Defiance

5:05 ^{SS}	10:05	3:40	9:30
5:55	10:55	4:35	10:30
6:45	11:45	5:30	
7:35	12:35 ^{SS}	6:30	
8:25	1:40	7:25	
9:15	2:40	8:25	

Leave Tahlequah

5:30 ^{SS}	10:30	4:05	10:00
6:20	11:20	5:00	10:55
7:10	12:10	6:00	
8:00	1:00 ^{SS}	7:00	
8:50	2:10	8:00	
9:40	3:10	9:00	

Monday through Fridays, except Holidays (Thanksgiving and Christmas)
Saturdays, Sundays and Holidays (Thanksgiving and Christmas Day) only

Subject to change without notice.
Schedule No. 234 cancel No. 233

Demand

- Customer travel patterns
- On time performance

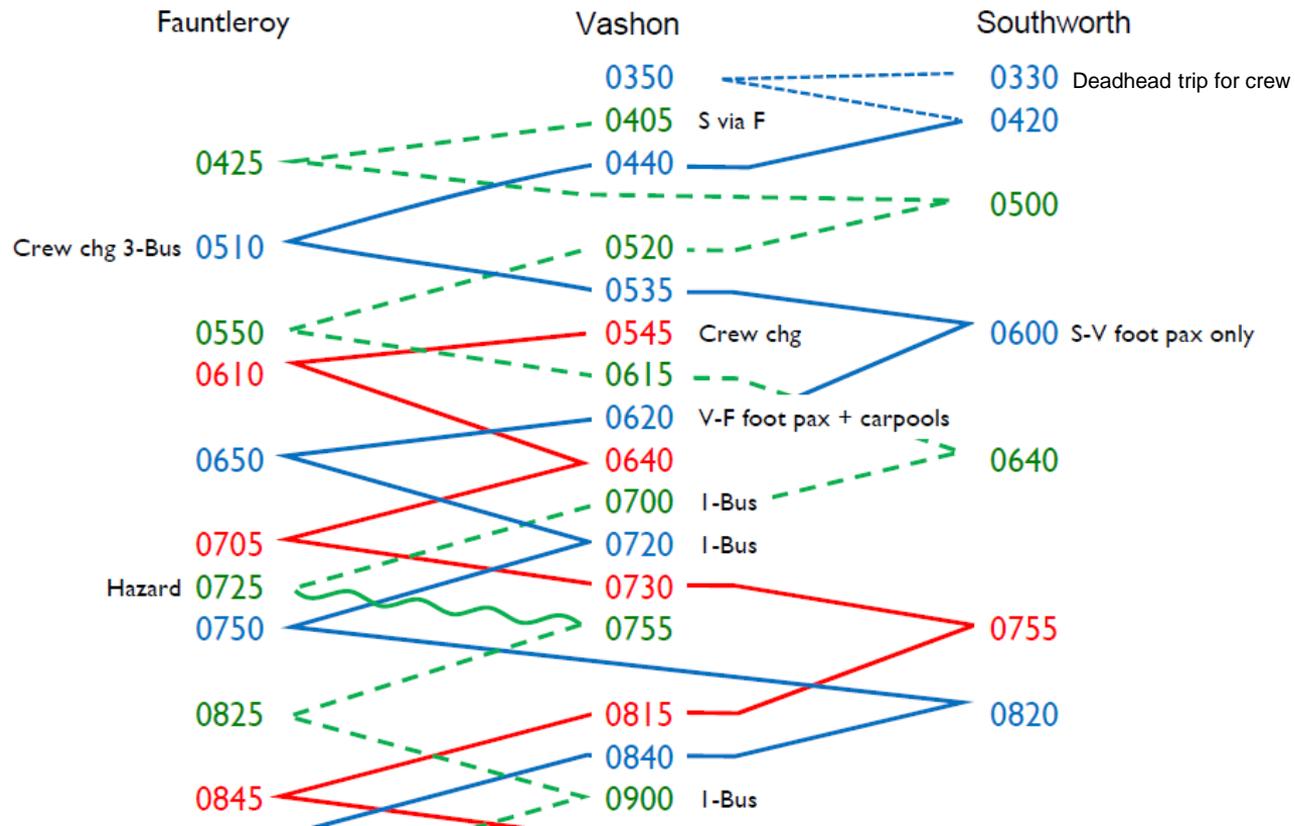
Supply

- Crew work rules
 - Driven by labor agreements and regulations
- Vessel availability
- Terminal constraints
- Budgeted hours and fuel
- Time for logistical functions (i.e. water, sewage, stores)

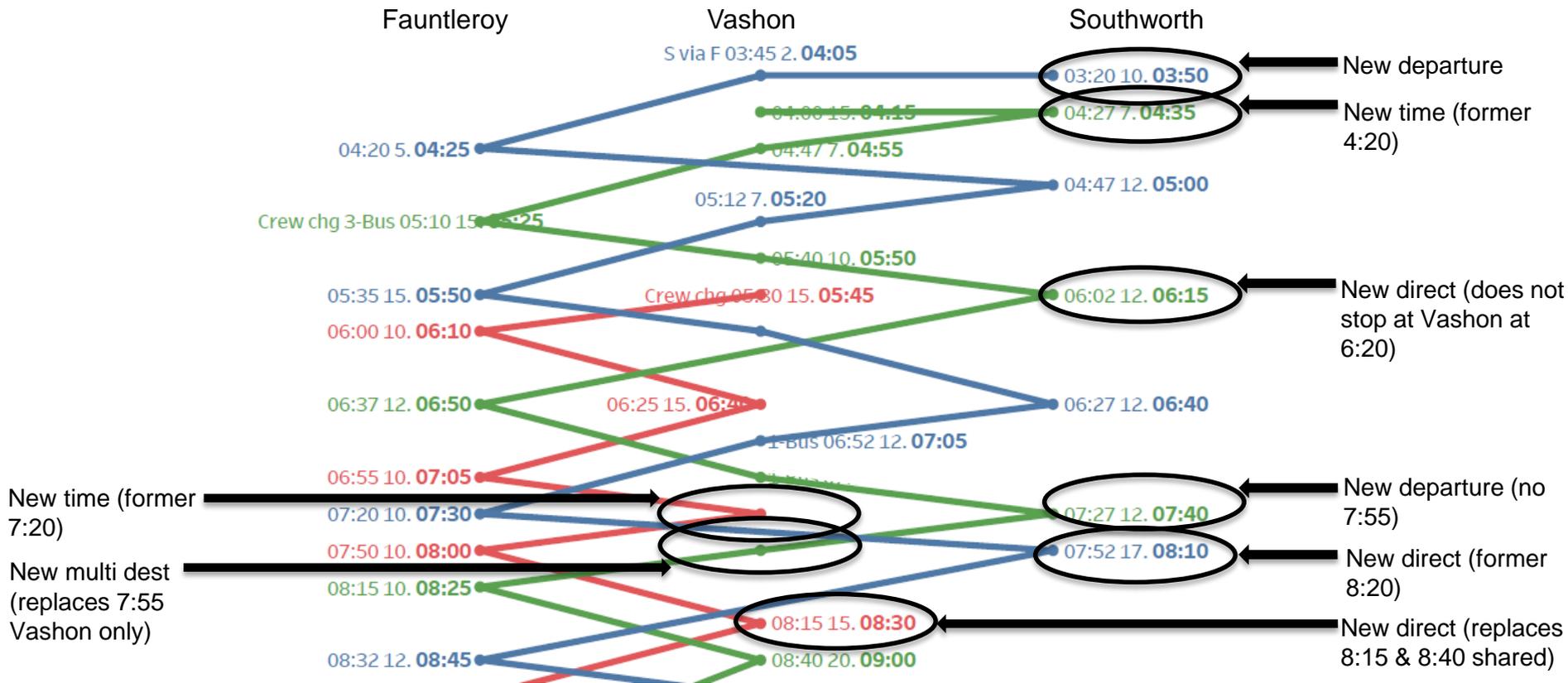
Timeline to develop Summer 2019 sailing schedule



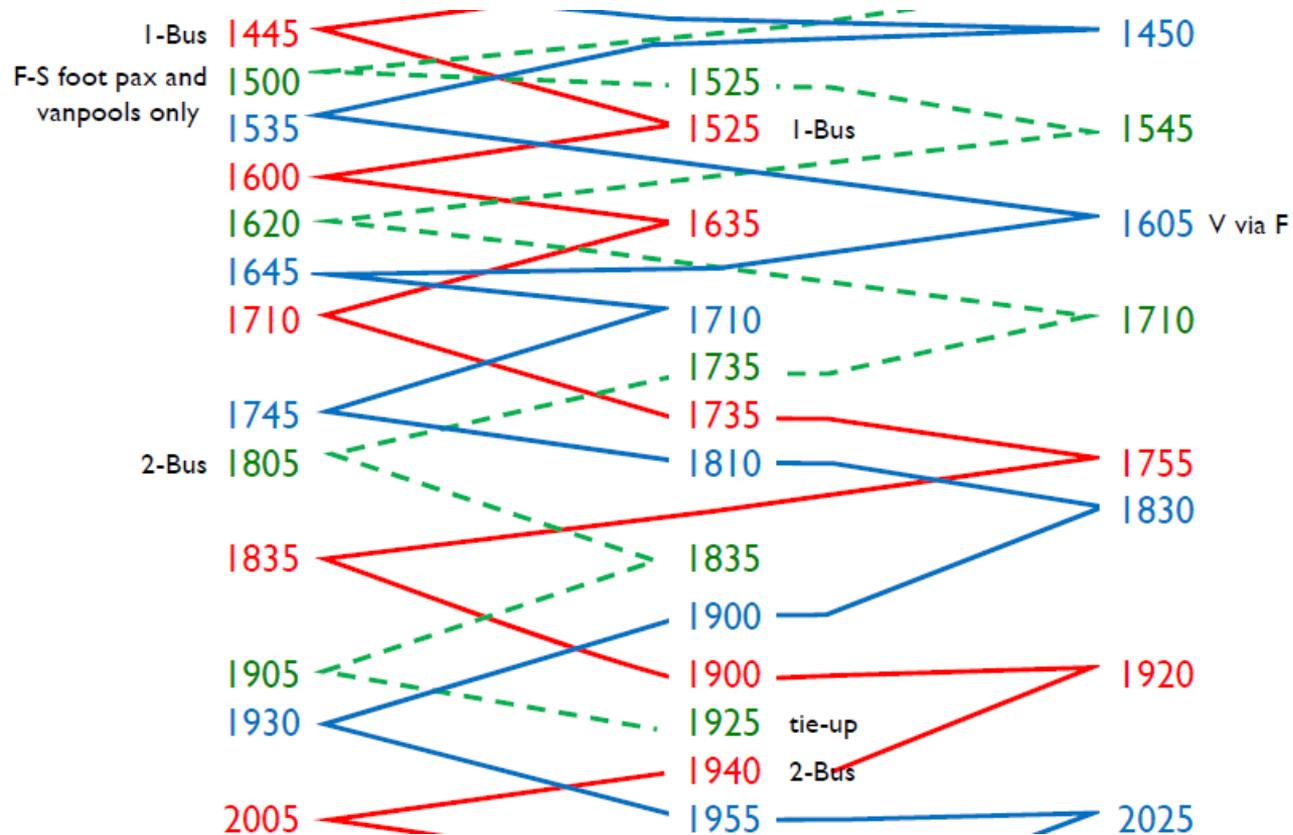
Existing weekday morning schedule



Potential weekday morning schedule concept



Existing weekday afternoon schedule



Potential weekday afternoon schedule

