

# S Lander St Bridge Project



SODO BIA  
March 21, 2018



**Seattle**  
Department of  
Transportation





# S Lander Street by the numbers

Daily use:



**100+**  
Trains



**13,000+**  
Vehicles



**1,400**  
Pedestrians



**100**  
Bicycles



**75,000**  
Jobs supported  
(100,000 by 2040)

---

Daily closures: **100+**

Average traffic delay per closure: **2 minutes, 40 seconds**

Average closure time per day: **4 hours, 50 minutes**

Crossing violations per day: **485**

Collisions over the past six years: **85**

Fatalities over the past six years: **3**

# At the crossing



**8 seconds** after a train is out of frame:

**9 pedestrians** are already in the crossing

Notice the gates are still down and the lights are still flashing

**Is another train coming?**

2016-01-27 5:12:56 PM

# Project goals

- Eliminate the at-grade crossing
- Fit the bridge in the right of way
- Avoid property takes
- Prioritize modal uses
- Build to budget

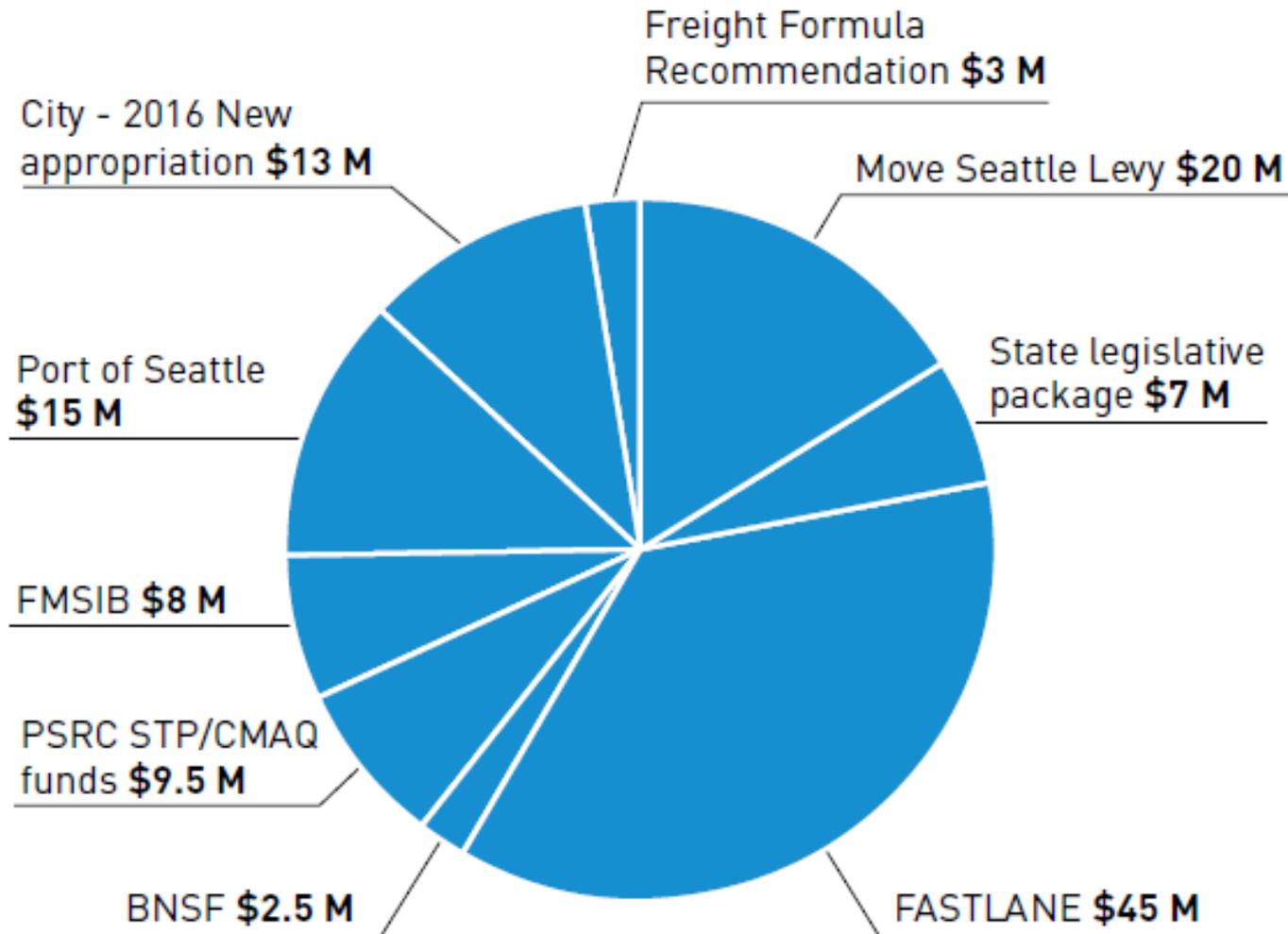
## Our mission:

- Safest and effective solution
- Efficient use of funding



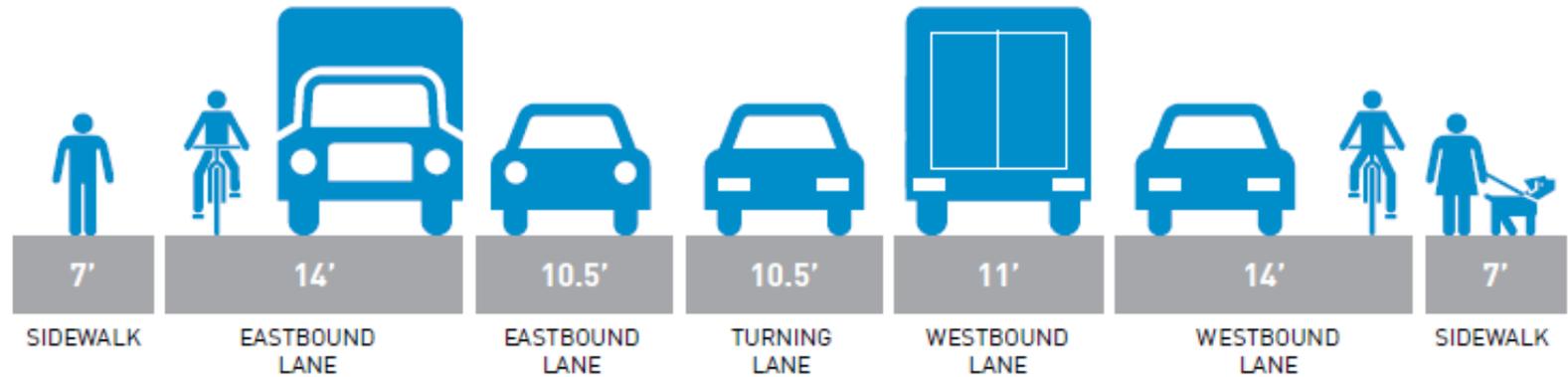
# Project is fully funded

**TOTAL \$123 Million**

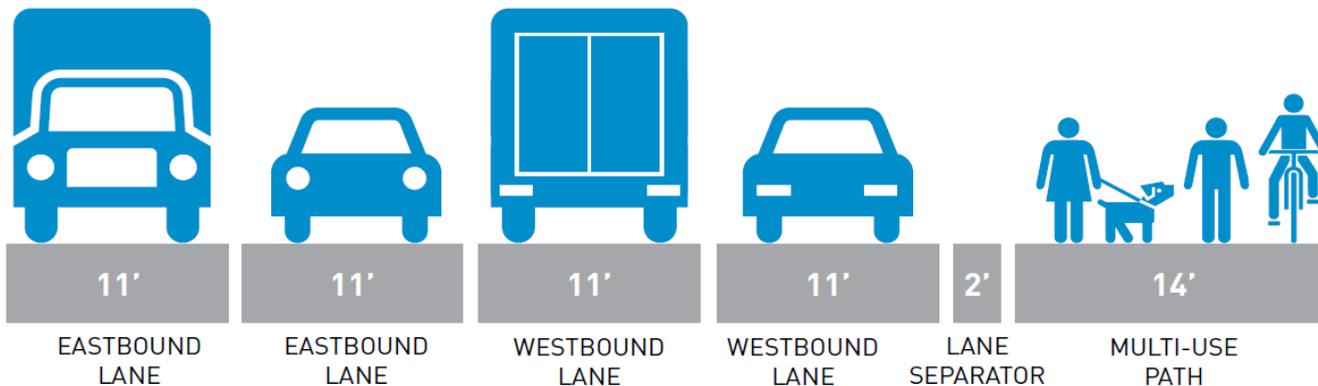


# Roadway design

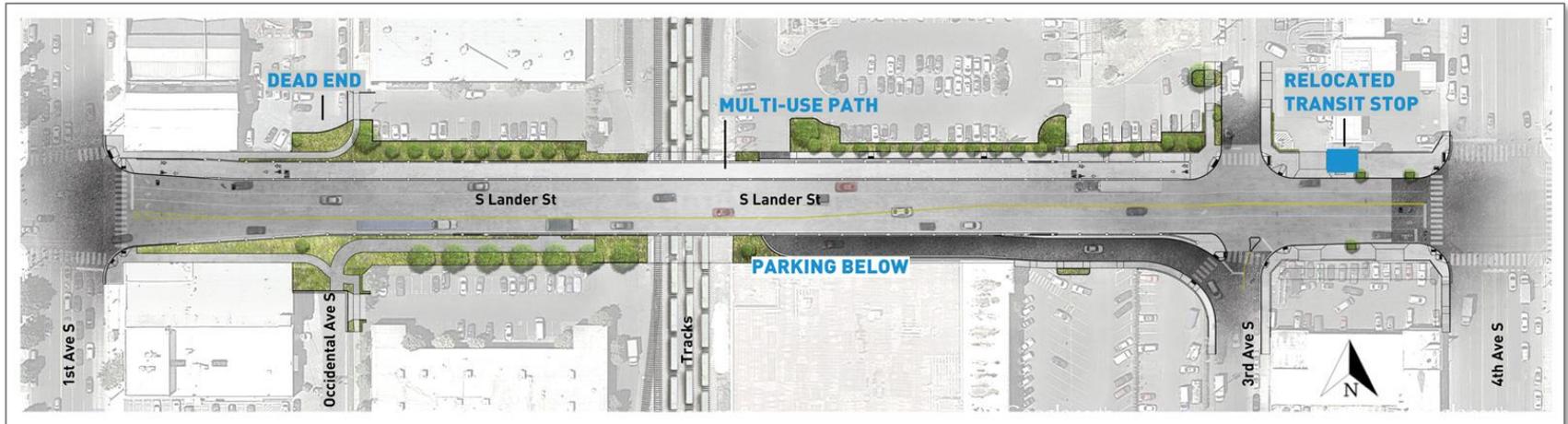
## Current road conditions



## Final roadway design (bridge only)

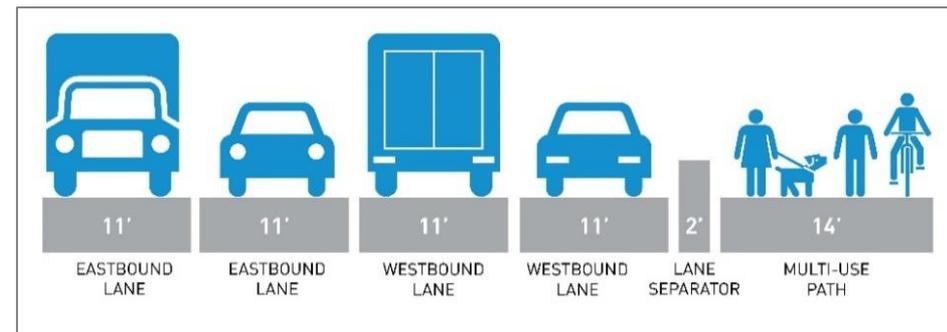


# Bicycle and pedestrian facilities

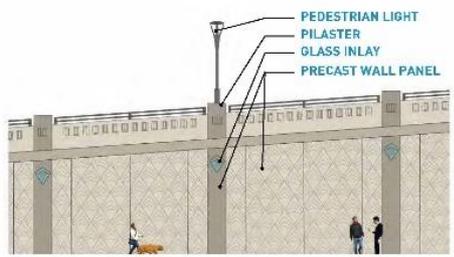
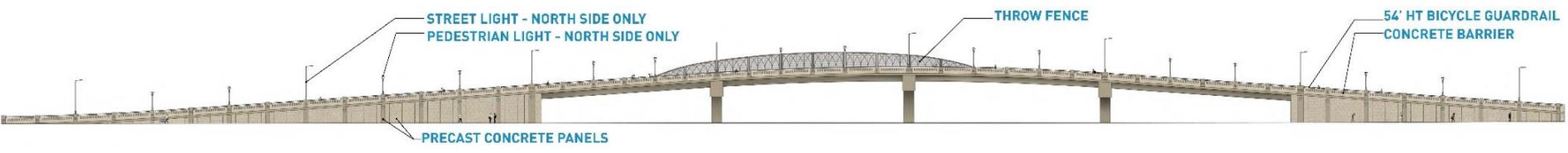


## Bicycle and pedestrian enhancements

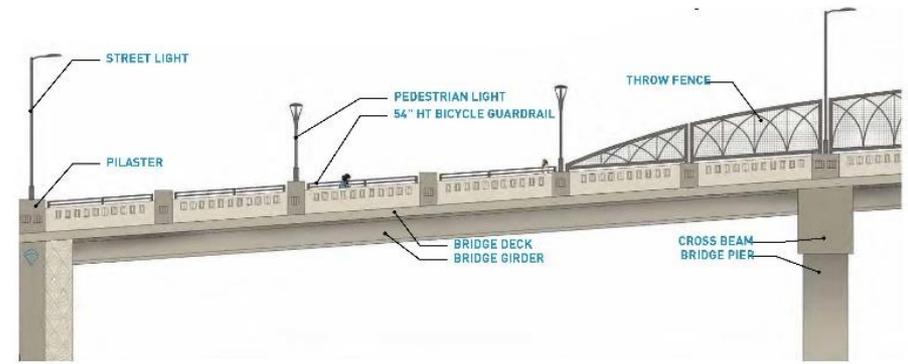
- 14-foot multi-use path
- Wide (8-foot) curb ramps
- Markings to better identify space for cyclists and pedestrians
- Forward-compatible design



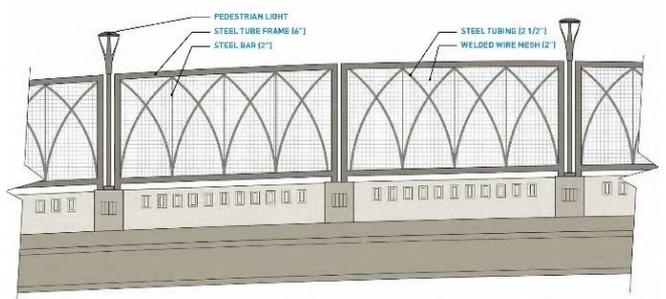
# S Lander St Bridge design



PRE-CAST WALL PANEL



BRIDGE ELEVATION DETAIL



THROW FENCE DETAIL



BRIDGE PERSPECTIVE

# Project visualizations

## Bird's-eye view looking northwest



# Existing site

## S Lander St looking southwest



# Project visualization

## S Lander St looking southwest



# Existing site

3rd Ave S at S Lander St looking east



# Project visualization

## 3rd Ave S at S Lander St looking west



# Existing site

Occidental Ave S at S Lander St looking south



# Project visualization

## Occidental Ave S at S Lander St looking south



# Existing site

1<sup>st</sup> Ave S and S Lander St looking east



# Project visualization

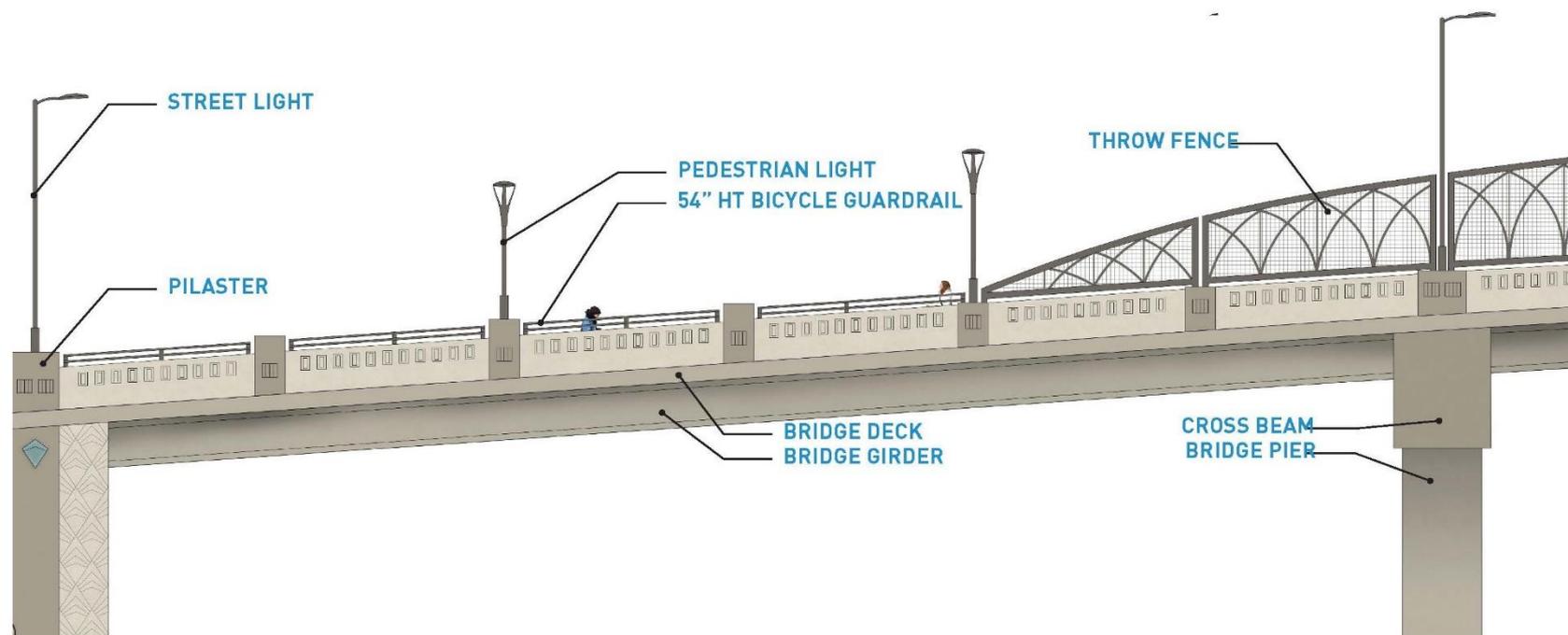
1<sup>st</sup> Ave S and S Lander St looking east



# Lighting plan



# Lighting



## BRIDGE ELEVATION DETAIL

# Project schedule

## 2016-2017

- Project design
- Public outreach, feedback incorporated into design
- Project bid and awarded
- Pre-construction outreach

## 2018

### January - April

- Pre-construction outreach continues
- Construction begins (early work)
- Utility relocation, driveways
- Temporary signal modifications at Horton/1st, Hanford/1st, Holgate/1st

### May - August

- New signal at Forest/4th
- Traffic revisions in place
- Lander road closure through early 2020
- Water main work

### September - December

- Begin footings and bridgework

## 2019-2020

### 2019

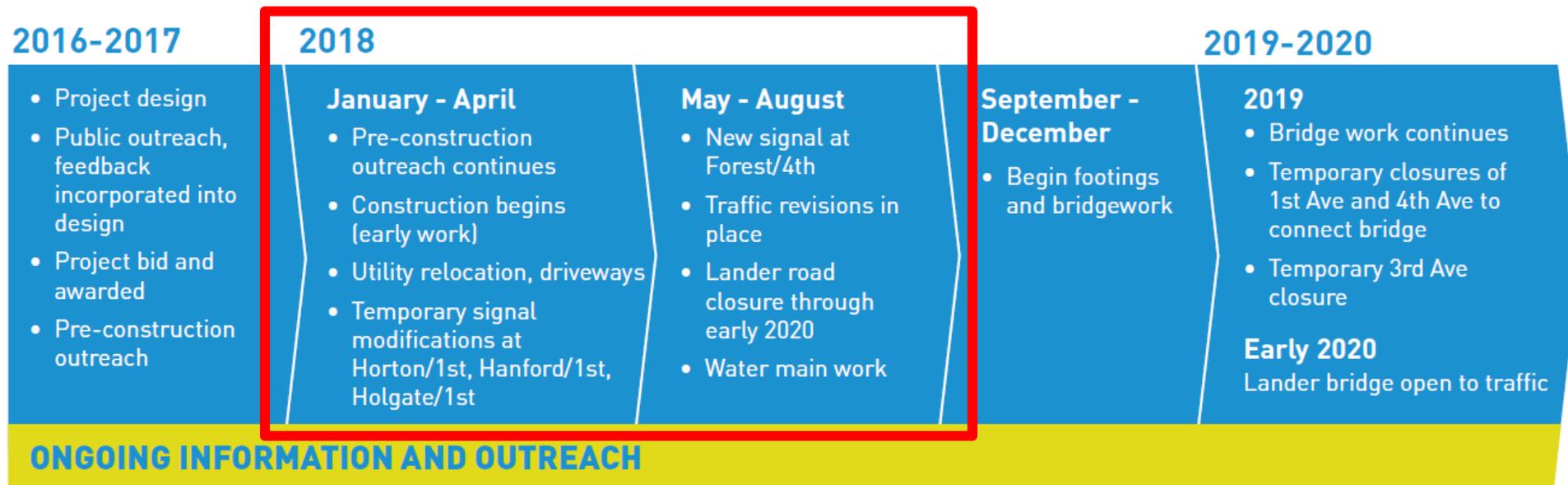
- Bridge work continues
- Temporary closures of 1st Ave and 4th Ave to connect bridge
- Temporary 3rd Ave closure

### Early 2020

Lander bridge open to traffic

**ONGOING INFORMATION AND OUTREACH**

# Project schedule



# Early work highlights

## 2018

### January - April

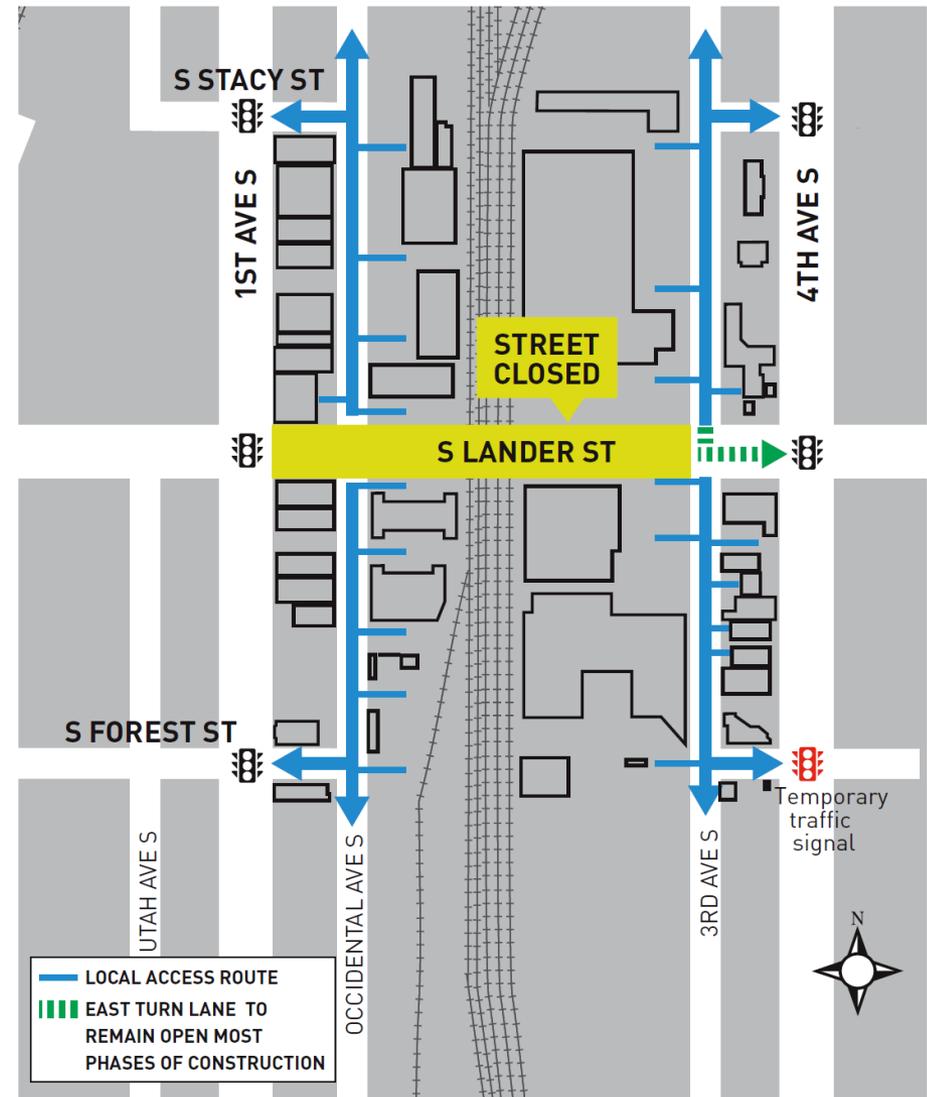
- Pre-construction outreach continues
- Construction begins (early work)
- Utility relocation, driveways
- Temporary signal modifications at Horton/1st, Hanford/1st, Holgate/1st

### May - August

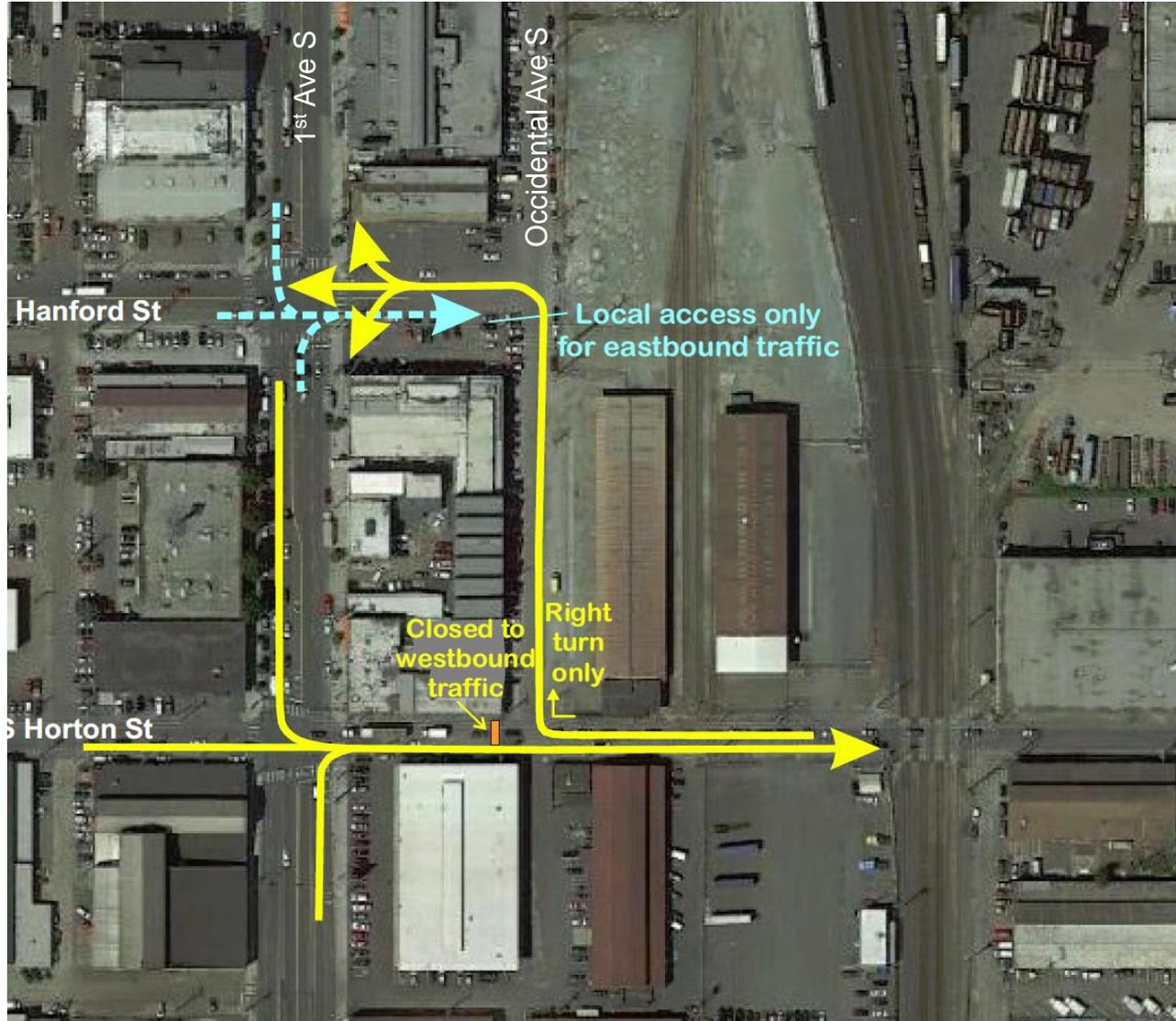
- New signal at Forest/4th
- Traffic revisions in place
- Lander road closure through early 2020
- Water main work

# Local access during closure

- Alternative access via Occidental Ave S and 3<sup>rd</sup> Ave S, new driveways and signage
- Access maintained for Seattle Public Schools and Pacific Galleries
- New temporary signal at 4<sup>th</sup> Ave S and S Forest St
- Pedestrian/bicycle access maintained throughout project
- Metro bus route revisions to 1<sup>st</sup> Ave S and Edgar Martinez Ave S



# Traffic revisions at 1<sup>st</sup> and Horton

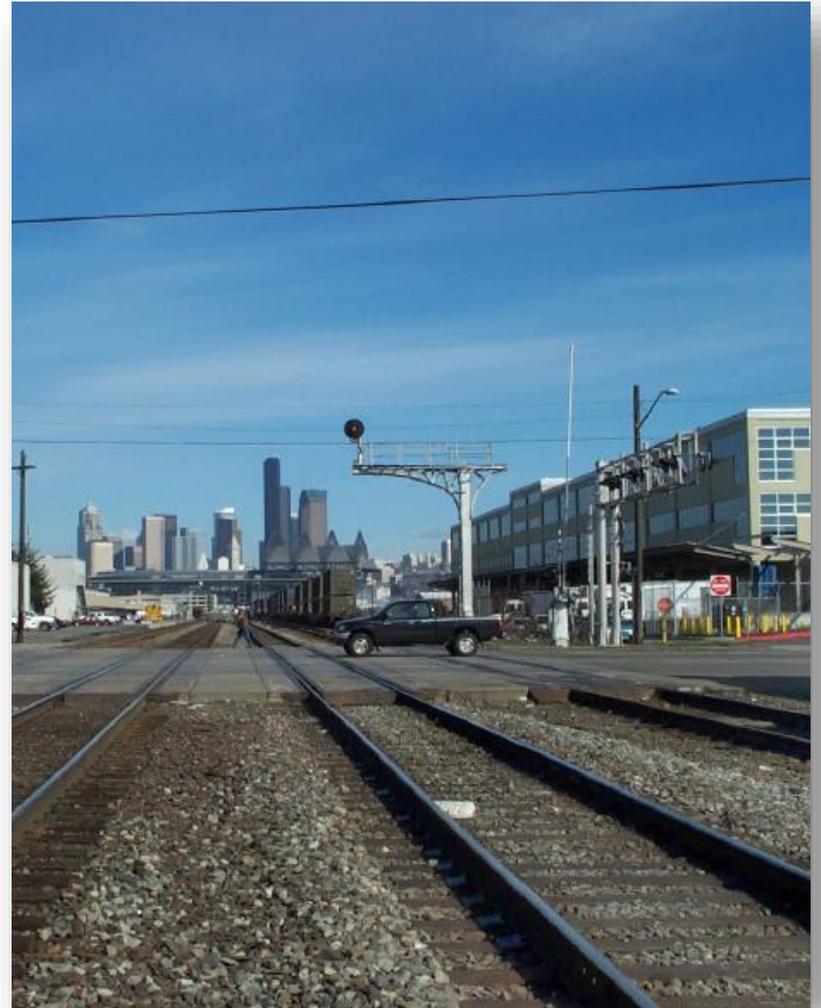


# Working with businesses and the public during construction

- Ongoing coordination with businesses on early actions
- Traffic and construction alerts in weeks leading up to closure, and during major shifts in work
- Placement of BUSINESSES ARE OPEN signage
- Regular website and email updates
- Flyering at SODO Link station and S Lander railroad crossing
  
- **Construction office drop-in hours**
  - Tuesday, March 27, 10am-2pm

# Next steps

- Notice to proceed April 2
- Driveway, signal, intersection, and utility work
- S Lander St closure last week of May/first week of June



# Stay connected

- Visit: [www.seattle.gov/lander\\_bridge.htm](http://www.seattle.gov/lander_bridge.htm)
- Call project information line: 206-256-5450
- Call Eric Strauch: 206-233-7208
- Email: [lander\\_bridge@seattle.gov](mailto:lander_bridge@seattle.gov)

[www.seattle.gov/transportation](http://www.seattle.gov/transportation)



**Seattle**  
Department of  
Transportation

# Reference

# ROUTES 21, 37, 116, 118, 119:

