

# PROJECT OVERVIEW

S Lander St is an essential east-west corridor in Seattle's SODO neighborhood serving:

- Freight and passenger rail
- Daily vehicular commuters
- Pedestrians and bicycles
- King County Metro
- Port of Seattle
- Local businesses and major employers


**The challenge:** Regular railroad operations currently create traffic delays and significant safety concerns.

**The solution:** The Seattle Department of Transportation will build a bridge over the railroad tracks on S Lander St between 1st Ave S and 4th Ave S to improve:

- Local traffic circulation
- Rail operations
- Safety for pedestrians and bicyclists in the SODO neighborhood

## S LANDER ST BY THE NUMBERS

Daily use:

  
**100+**  
Trains

  
**13,000+**  
Vehicles

  
**1,400**  
Pedestrians

  
**100**  
Bicyclists

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

Daily closures: **115+**

Average traffic delay per closure: **2 minutes, 24 seconds**

Average closure time per day: **4 hours, 37 minutes**

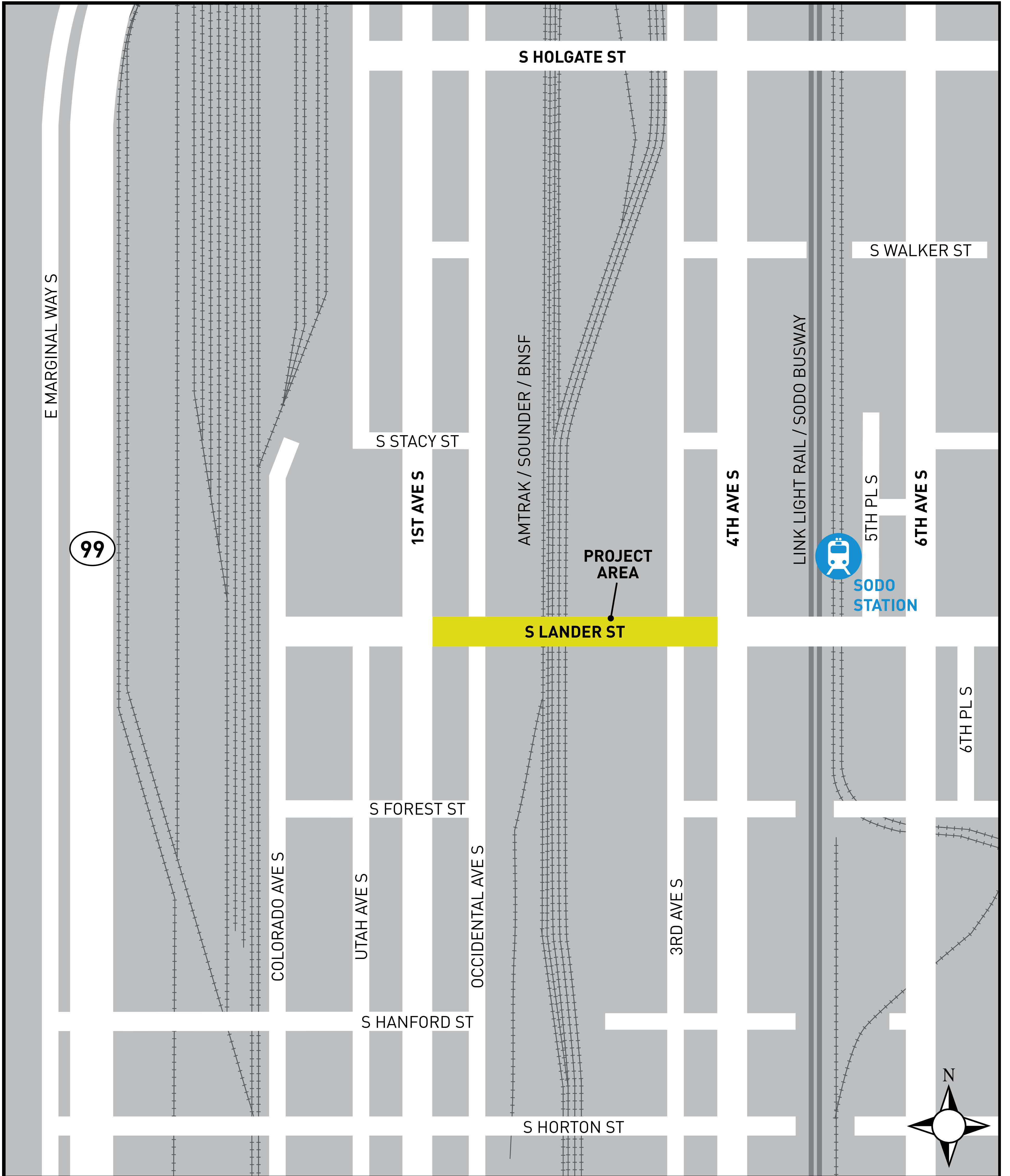
Crossing violations per day: **494**

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

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

Updated data from "Lander Street Grade Separation Transportation Discipline Report," August 2016, and "South Lander Street Grade Separation and Railroad Safety Project FASTLANE Federal Grant Application," Spring 2016.

# PROJECT AREA



# TIMELINE AND FUNDING

2016

- Project reactivated
- Preliminary (30%) design complete
- Public outreach began, feedback incorporated into design
- Federal grant approved

◆ Open house    ◆ Open house

2017

## January - March

- Preliminary construction outreach begins
- 60% design

## April - June

- Preliminary construction outreach continues
- Design complete

◆ Open house

## July - December

- Pre-construction outreach begins
- Project goes to bid

Pre-construction open house ◆

2018-2020

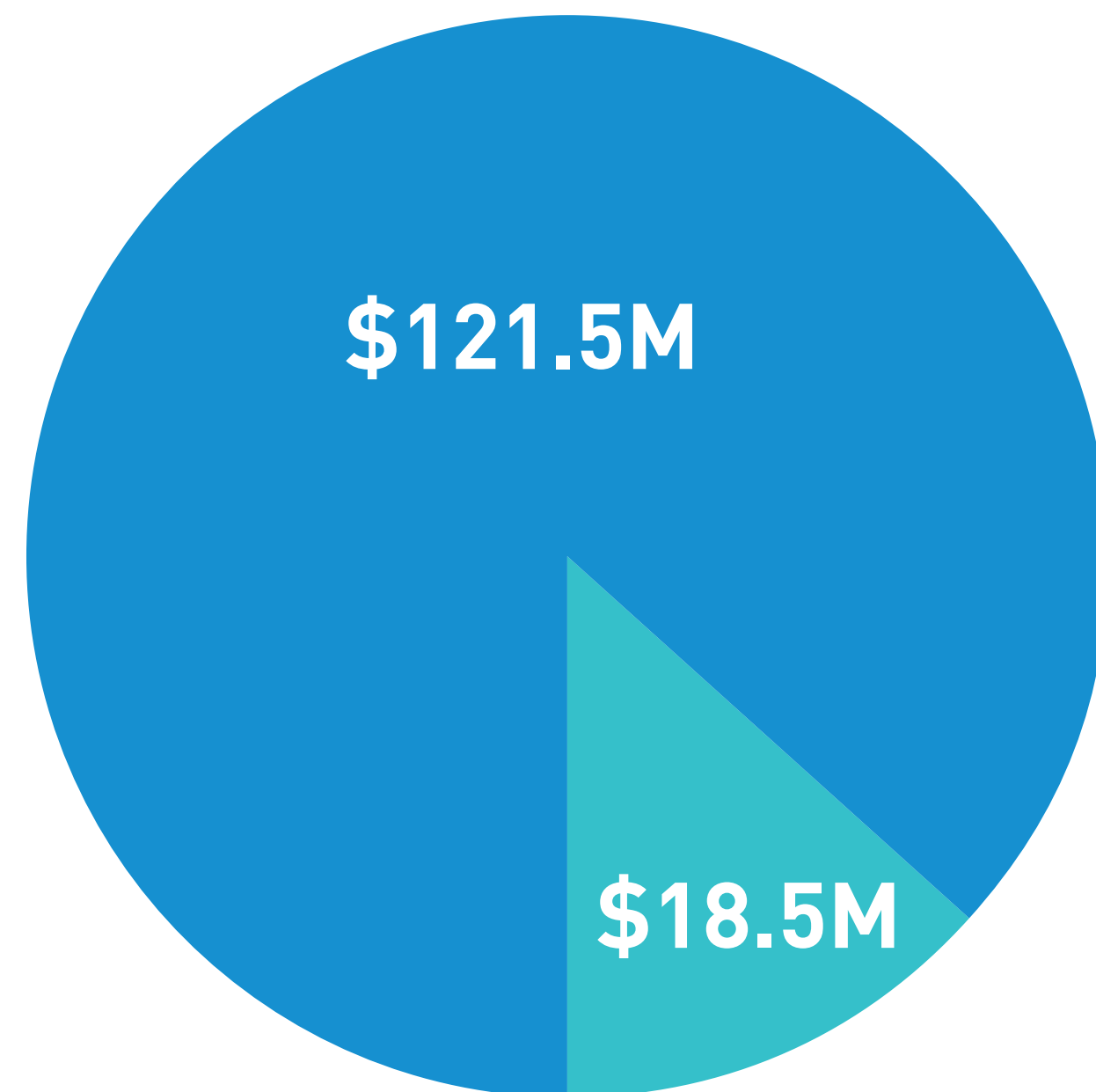
## Early 2018

Construction begins

## Early 2020

Construction complete

**ONGOING OUTREACH AND ENGAGEMENT**



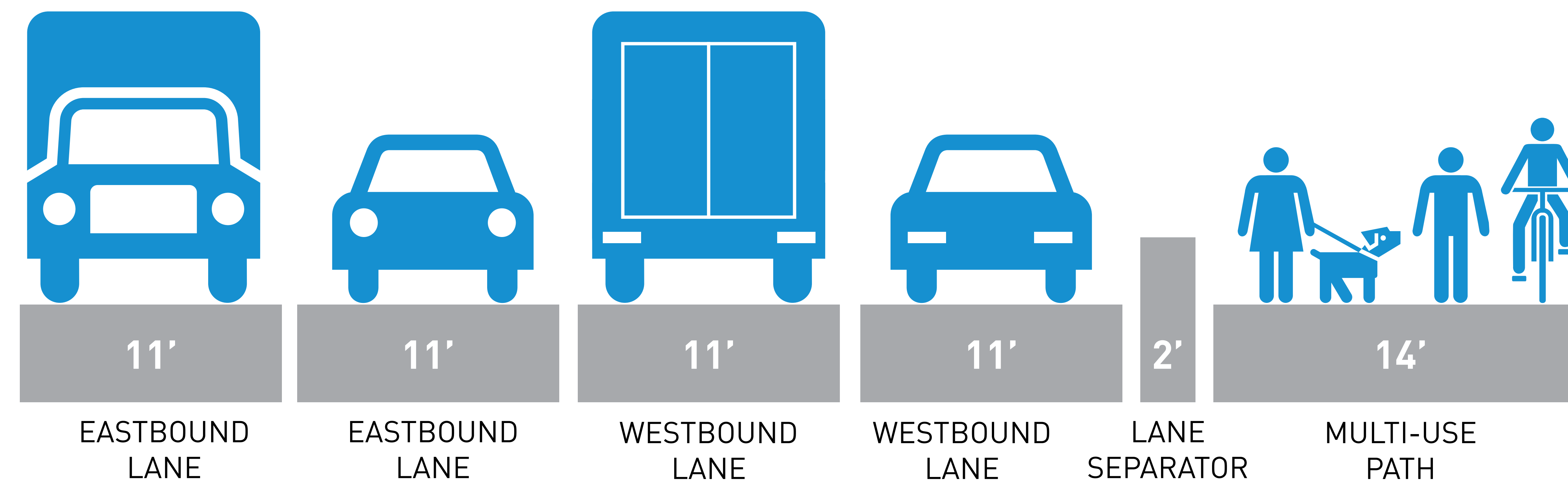
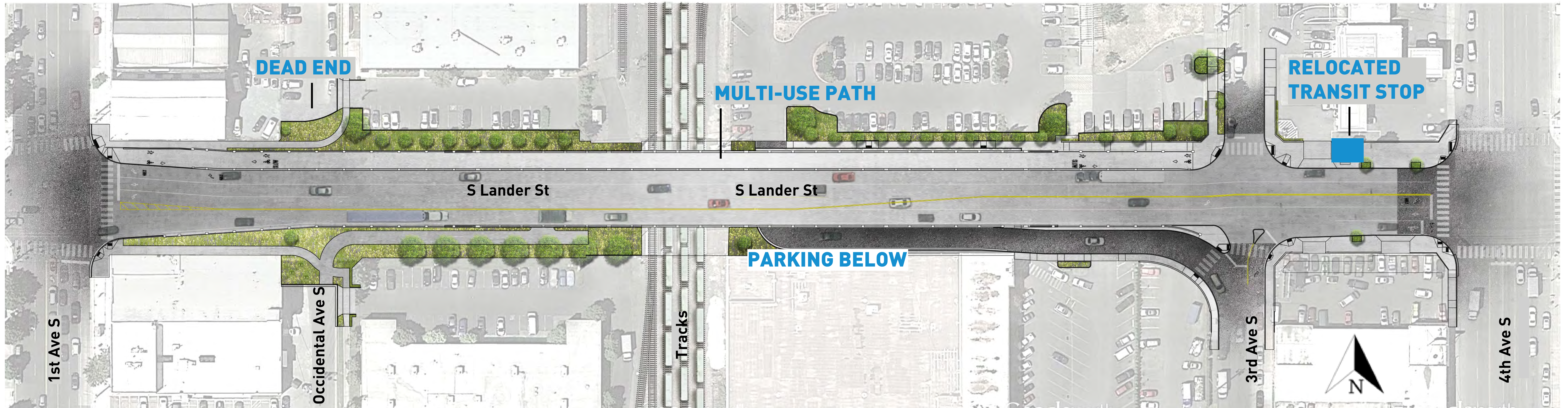
**TOTAL: \$140M**

### ■ \$121.5M Secured and recommended funding

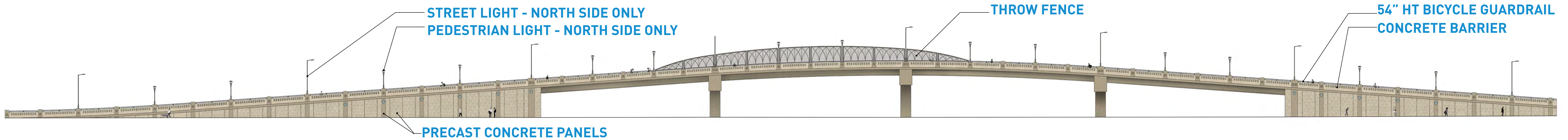
- \$33M: City
- \$15M: State
- \$63.5M: Federal
- \$10M: Private (Port, BNSF)  
BNSF is committing at least 5% (approximately \$5 million) pursuant to 23 CRF 666.210

### ■ \$18.5M Unsecured funding

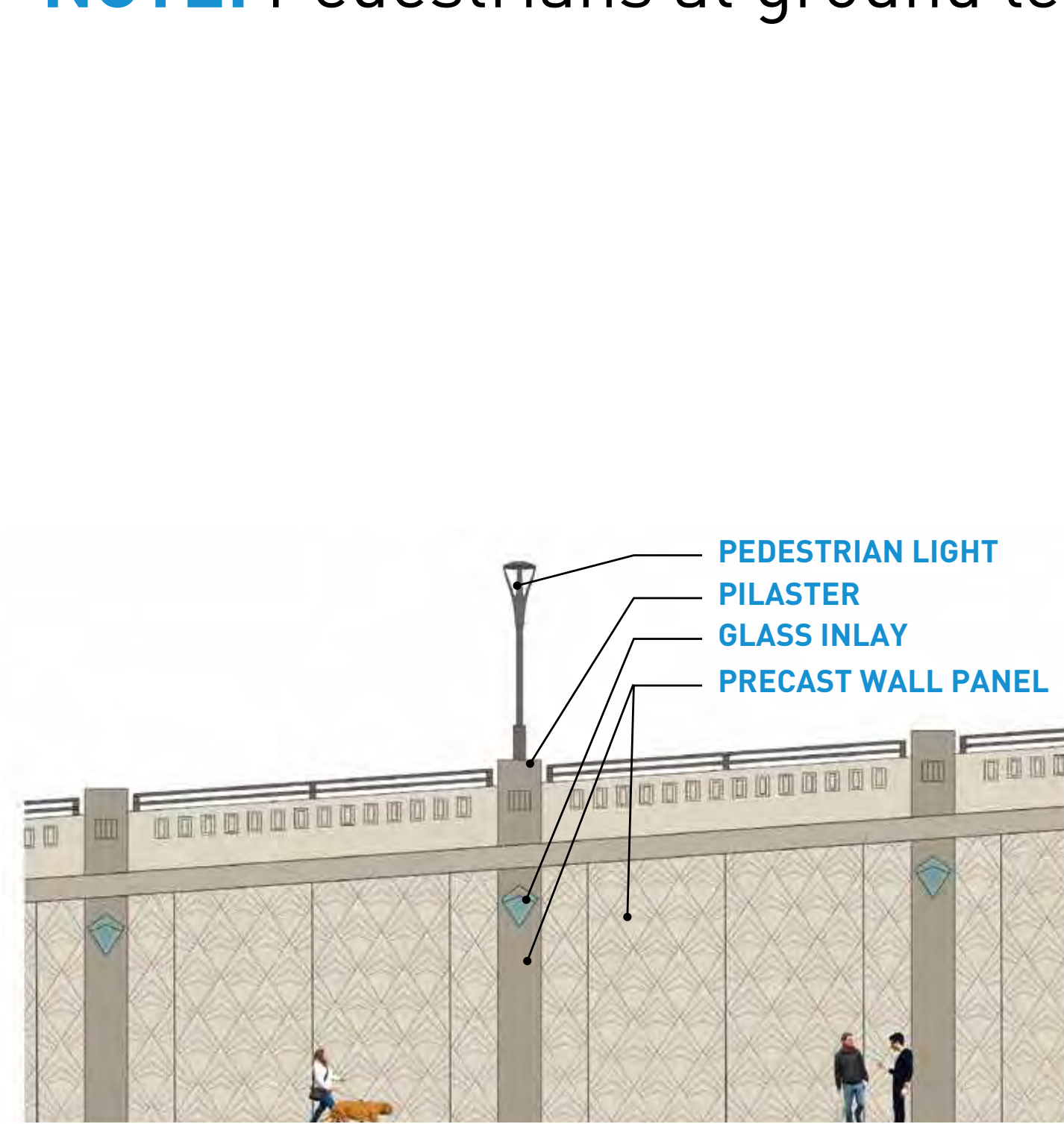
# PROJECT DESIGN



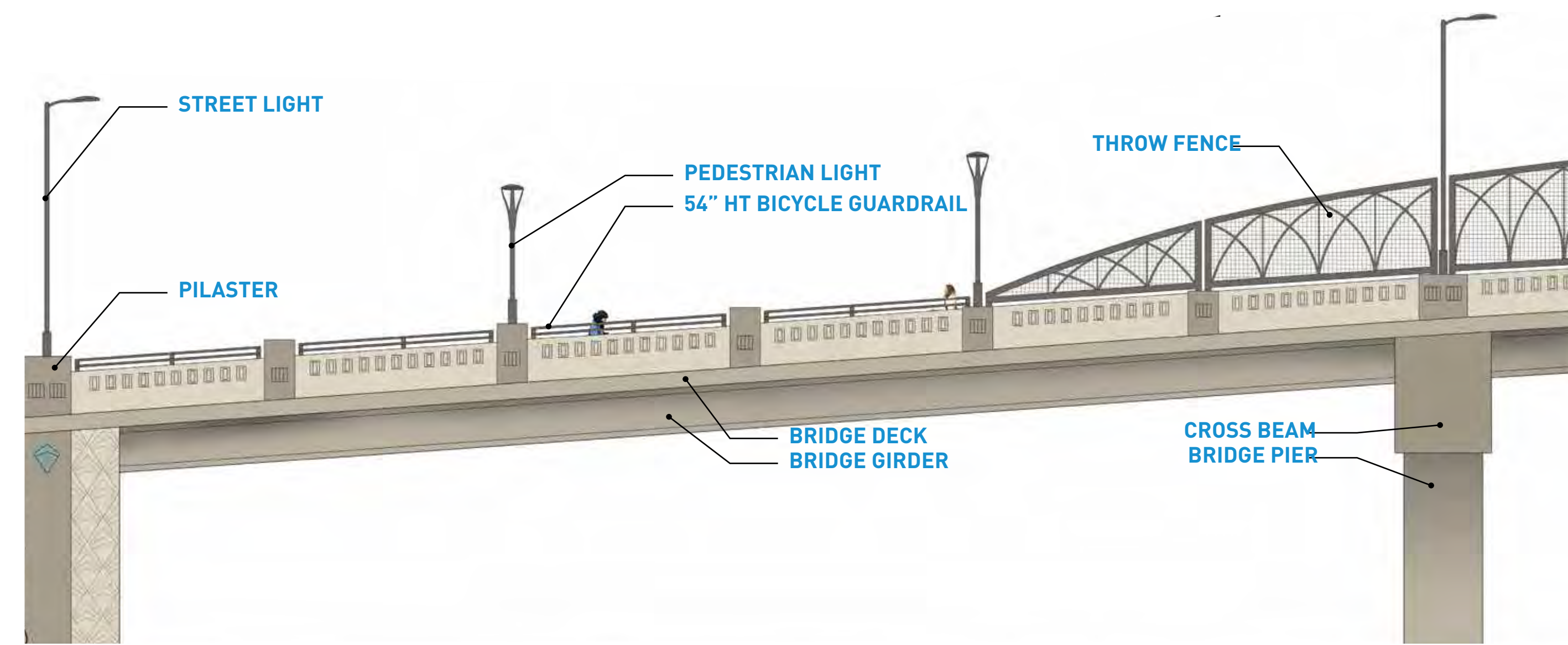
# BRIDGE DESIGN ELEMENTS



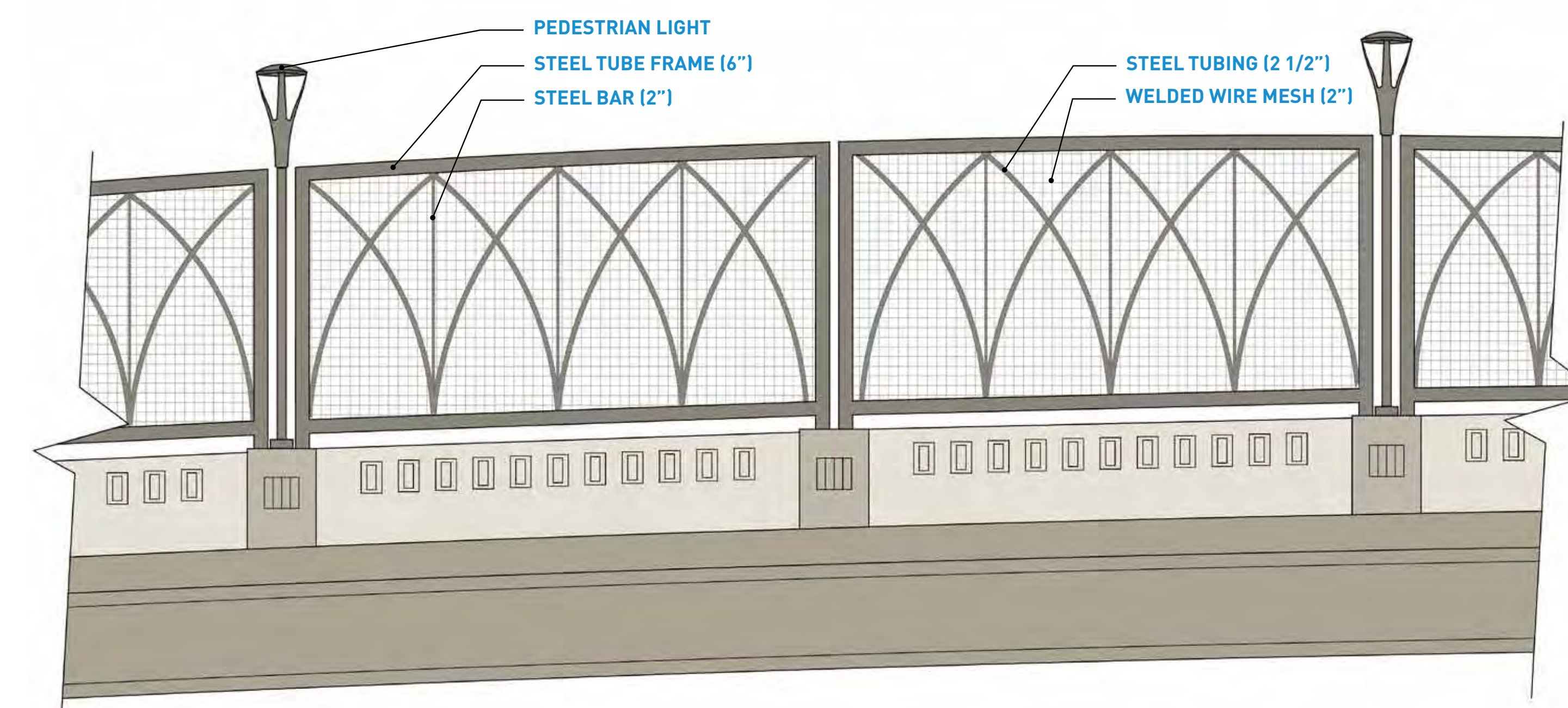
**NOTE:** Pedestrians at ground level shown only for scale, this will not be a pedestrian access area



PRE-CAST WALL PANEL



BRIDGE ELEVATION DETAIL



THROW FENCE DETAIL



BRIDGE PERSPECTIVE

## DESIGN PROCESS

**June - September 2016**

- Presented preliminary design options
- Gathered public input

**January - March 2017**

- Refined design to incorporate public feedback
- Reviewed design with Seattle Design Commission

**March 2017**

- ★ **YOU ARE HERE**
- Public open house to view updated design

**April 2017**

- Seattle Design Commission final recommendation

**July 2017**

- Final design complete

# LANDSCAPING



## PLANT OPTIONS

### Medium/large columnar trees



Firestarter Tupelo  
*Nyssa sylvatica* 'JFS-red'



Emerald Sunshine Elm  
*Ulmus propinqua* 'JFS-Bieberich'

### Medium/large trees



Native Flame American Hornbeam  
*Carpinus caroliniana* 'JFS-KW6'



Patriot Elm  
*Ulmus* 'Patriot'

### Low-growing shrubs and groundcovers



Mt. Vernon English Laurel  
*Prunus lauroceracus* 'Mt. Vernon'



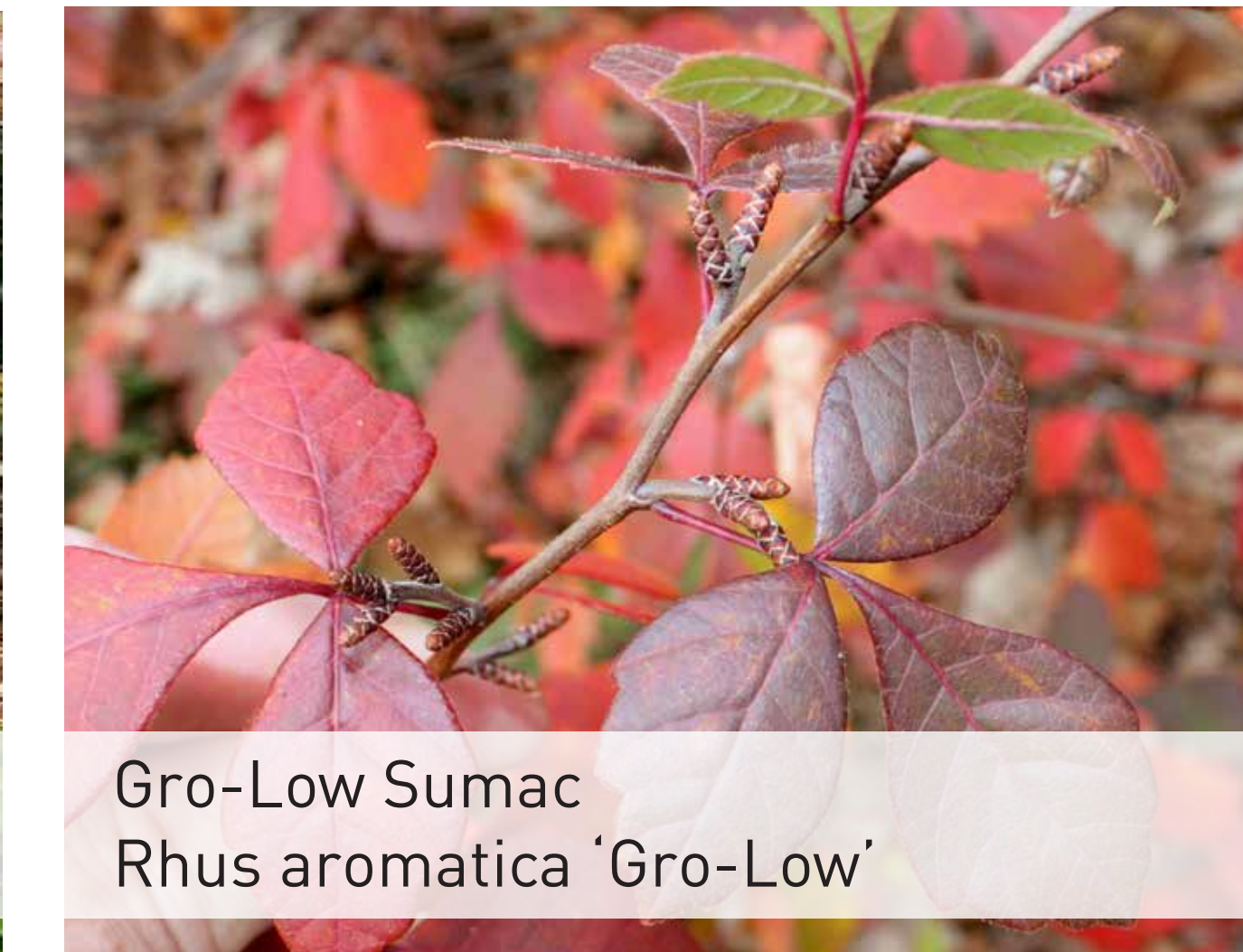
Wall Germander  
*Teucrium chamaedrys* 'Prostratum'



Compact Oregon Grape  
*Mahonia aquifolium* 'Compacta'



Sword Fern  
*Polystichum munitum*



Gro-Low Sumac  
*Rhus aromatica* 'Gro-Low'



Massachusetts Kinnikinnick  
*Arctostaphylos uva-ursi* 'Massachusetts'

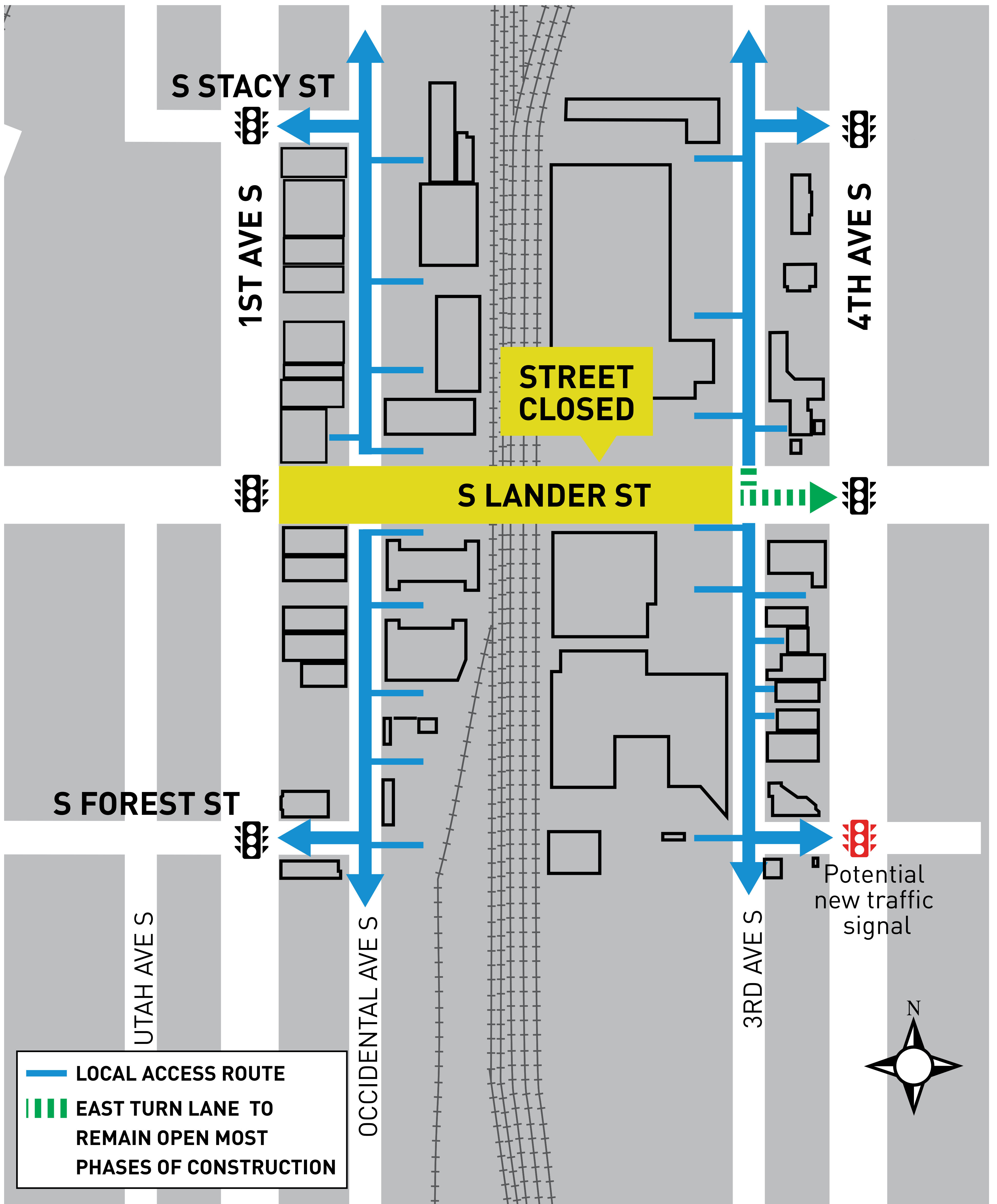


Flower Carpet Pink Groundcover Rose  
*Rosa x Noatraum*



Magic Carpet Spiraea  
*Spiraea japonica* 'Walburna'

# LOCAL ACCESS DURING CONSTRUCTION



\*Pedestrian access will be maintained across S Lander St throughout construction

# PROPOSED VISUALIZATION: BIRD'S-EYE VIEW

Looking northwest





# PROPOSED VISUALIZATION: OCCIDENTAL AVE S

Looking southeast



# PROPOSED VISUALIZATION: S LANDER ST

Looking southwest



**S LANDER ST BRIDGE**

[www.seattle.gov/transportation/lander\\_bridge.htm](http://www.seattle.gov/transportation/lander_bridge.htm)

MARCH 2017

# PROPOSED VISUALIZATION: 1ST AVE S AND S LANDER ST

Looking east



# PROPOSED VISUALIZATION: 3RD AVE S AND S LANDER ST

Looking west

