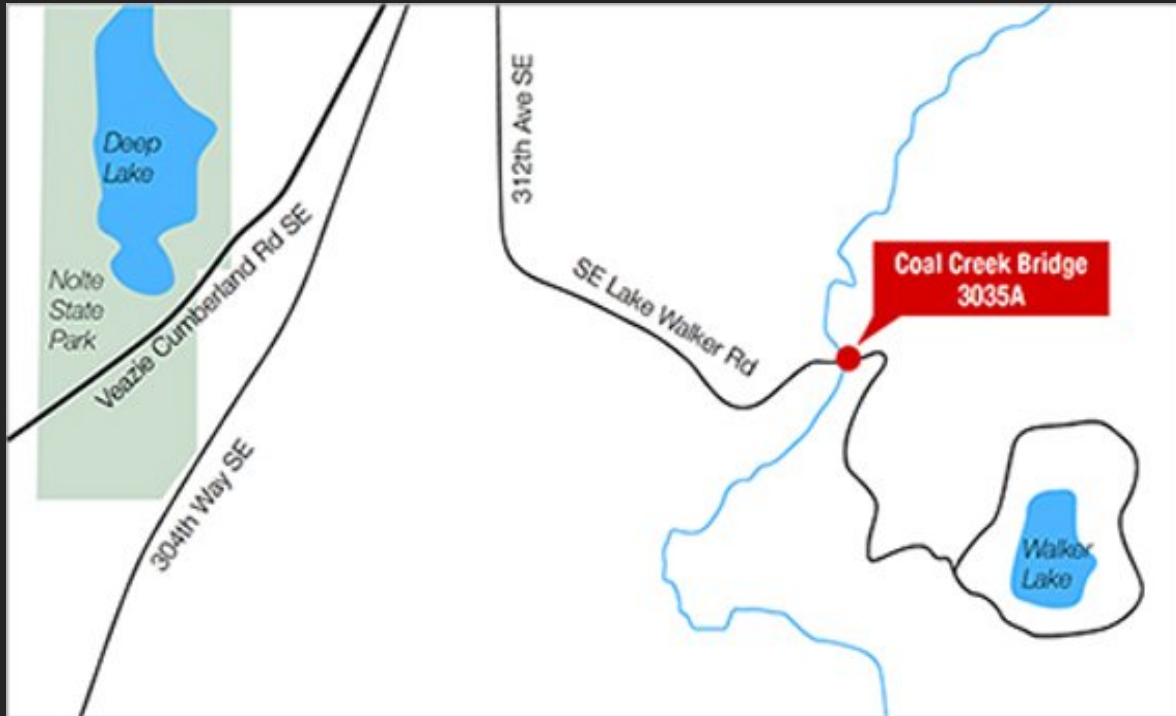


# Coal Creek Bridge Replacement



Online Community Meeting  
June 22, 2021 - 6:30 - 7:30 p.m.  
[kingcounty.gov/coalcreekbridge](https://kingcounty.gov/coalcreekbridge)



**King County**

Department of Local Services  
**Road Services Division**

# Zoom Meeting Housekeeping

## **Just a few tips:**

- This meeting is a webinar
- We can't see or hear you
- If you have a question or comment, put it in the Q&A
- All questions and comments will be addressed during or after the presentation



# Agenda



Introductions



6-Year Levy Lid Lift – Short term funding option



Project overview and environmental improvements



Project timeline



What to expect during construction



Stay informed



Questions



# Introductions – Project Team



**King County**

Department of Local Services

**Road Services Division**

**Broch Bender**

Communications  
Manager

**Jeff Wilcox**

Construction  
Resident Engineer

**TingTing Martin**

Project Manager

**Nadeem Mohammad**

Construction Inspector

**Victor Daggs**

Construction  
Supervising Engineer

**Katie Merrell**

Environmental Lead

**Kim Williams**, Customer Service Manager

**Brent Champaco**, Local Services Public Information Officer

# Introductions

**JoAnn Kosai-Eng**  
County Road Engineer

**Rose LeSmith**  
Engineering Section Manager

**Jacques Imperial**  
Legislative Aide, Councilmember Dunn, District 9

**Larry Jaramillo**  
Managing Engineer,  
Bridge & Construction

**Trinh Truong**  
Supervising Engineer

# Introductions



**King County**

Department of Local Services

**Road Services Division**

**Tricia Davis**

Director of Road Services

# 6-YEAR LEVY LID LIFT

## Short-Term Funding Option

**Nov. 2021:** Voter Approval

**2022:** Increase levy for unincorporated areas to statutory limit (\$2.25 per \$1,000 in Assessed Value)

**2023-2027:** Levy total amount grows at limiting factor (Inflation + Population Increase) for 5 years

**2028:** Levy amount growth returns to legal maximum (Growth of 1% per year, plus new construction)



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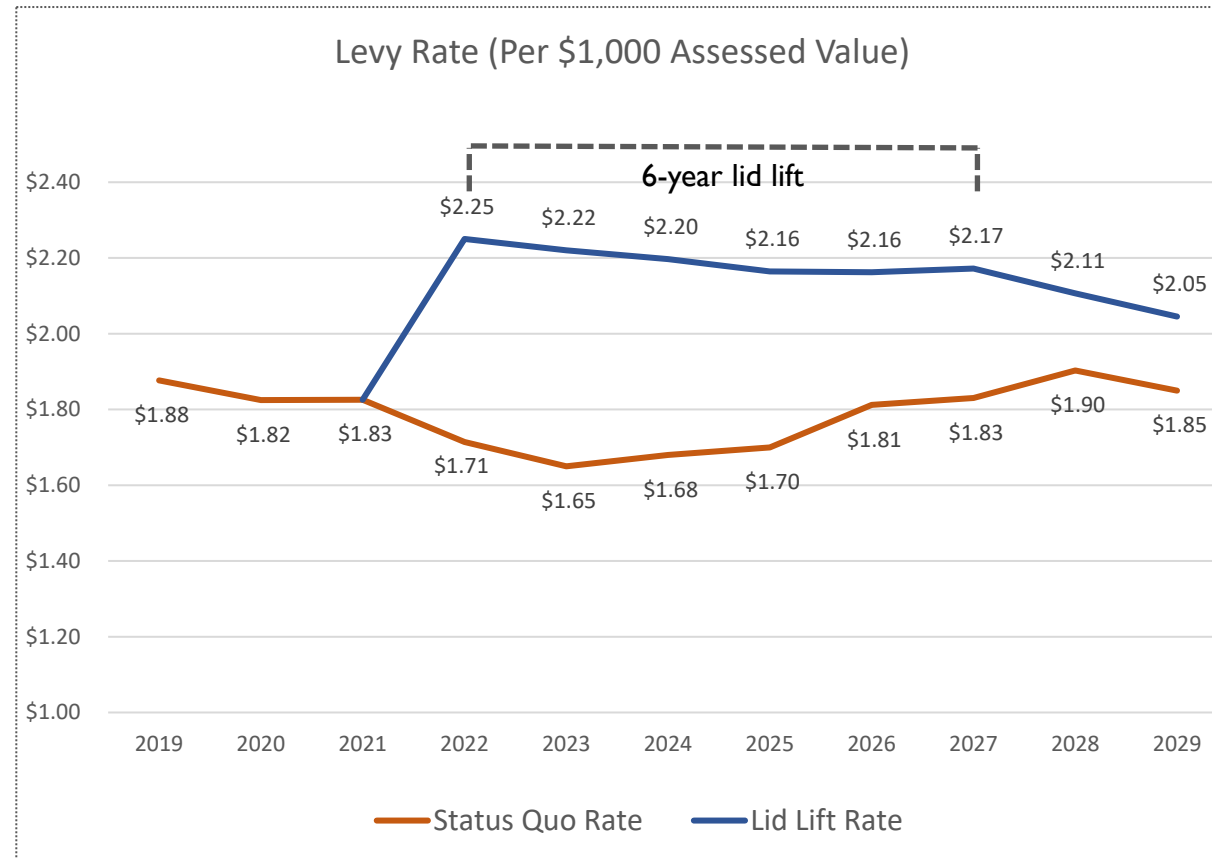
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# IMPACT OF 6-YEAR LEVY LID LIFT ON PROPERTY TAXES

2022 property taxes would increase by \$0.42 per \$1,000 in AV over 2021 rates\*

This is an estimated \$223 increase in property taxes for the average property owner\*\* in UKC over 2021 amounts



\*According to OEFA Projections as of April 2021. Assumes no annexation of unincorporated areas.

\*\*Assuming median assessed value of \$525,000



**King County**

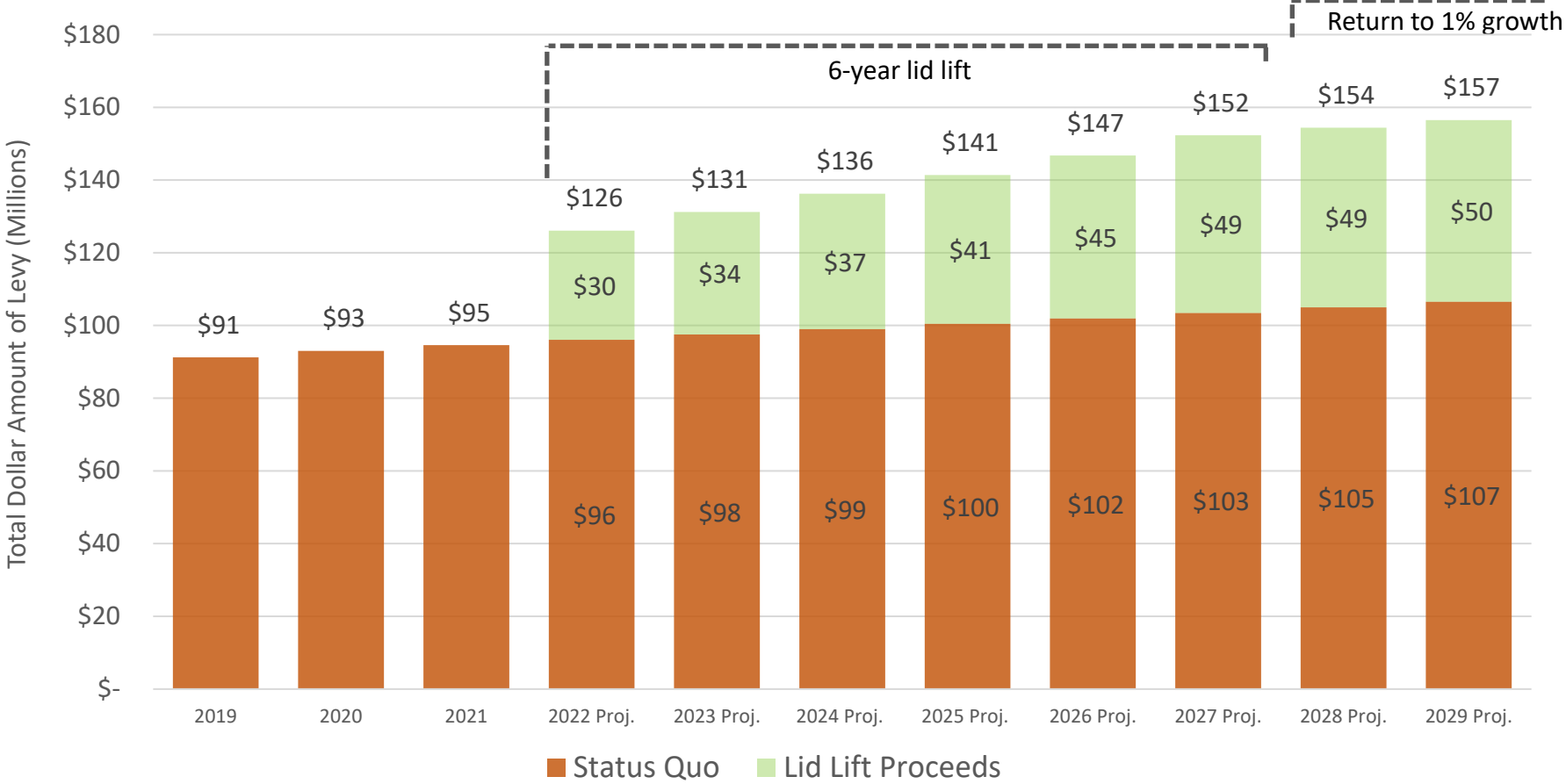
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# LEVY LID LIFT PROCEEDS

\$335 Million (41%) Increase from Status Quo from 2022-2029\*



\*According to OEFA Projections as of April 2021. Assumes no annexation of unincorporated areas.



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# SPENDING PLAN FOR PROCEEDS

2022-2029

| <b>Project Type</b>          | <b>Amount</b> | <b>% of Total</b> |
|------------------------------|---------------|-------------------|
| Safety & Traffic Control     | \$86m         | 26%               |
| Roadway                      | \$68m         | 20%               |
| Bridges & Drainage           | \$58m         | 17%               |
| Operating                    | \$54m         | 16%               |
| Grant Matching & Contingency | \$33m         | 10%               |
| Quick Response               | \$20m         | 6%                |
| Roadside                     | \$11m         | 3%                |
| 2030-31 Programming          | \$5m          | 1%                |
| <b>Total</b>                 | <b>\$335m</b> | <b>100%</b>       |



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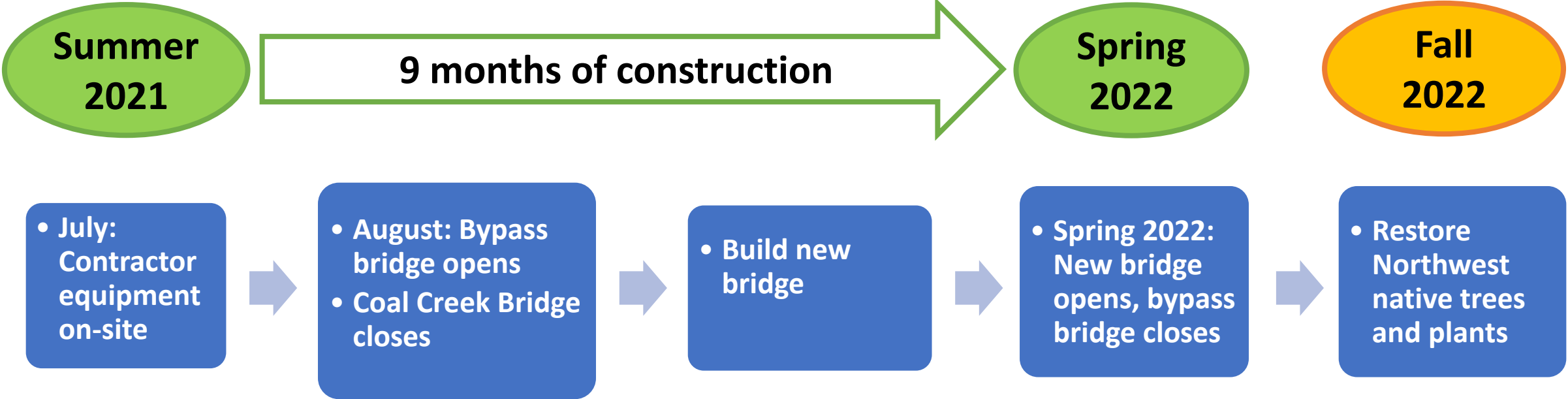
Questions

# Project overview

- Remove and replace the existing Coal Creek Bridge in the same location.
- New bridge is wider with no weight restriction, includes one six-foot-wide shoulder and one two-foot shoulder on opposite side.
- Restore and enhance the area with significantly more native trees and shrubs to reduce bank erosion.
- New bridge is designed to last 75 years.
- Project budget: \$6.6 million



# Anticipated project timeline



# Why replace Coal Creek Bridge



The steel supports are 108 years old. The rust is consuming the steel. Large sections of steel supports have rusted away.

# Why replace Coal Creek Bridge



The creosote timber supports are 63 years old and suffering from decay. The existing condition forced King County to implement weight restrictions in 2017.

# Local flooding (February 2020)



Property of the southwest edge



West approach



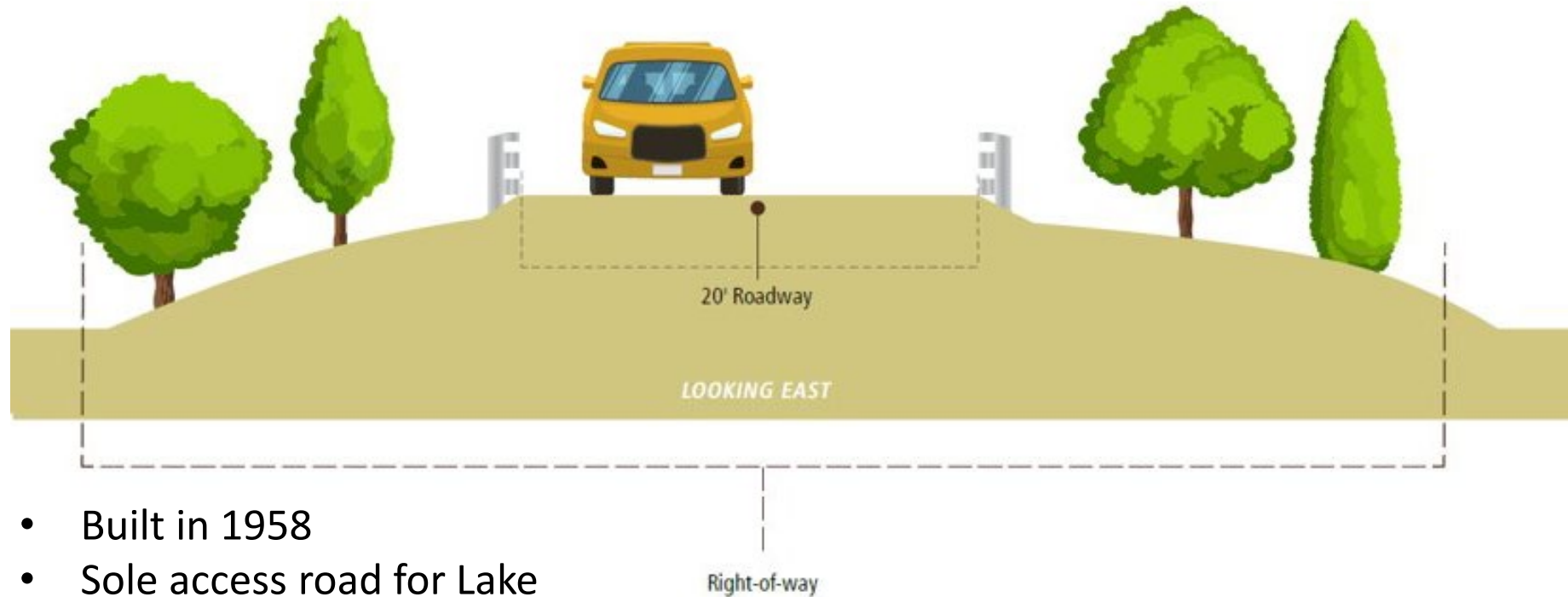
Property of the northwest edge



Downstream of bridge



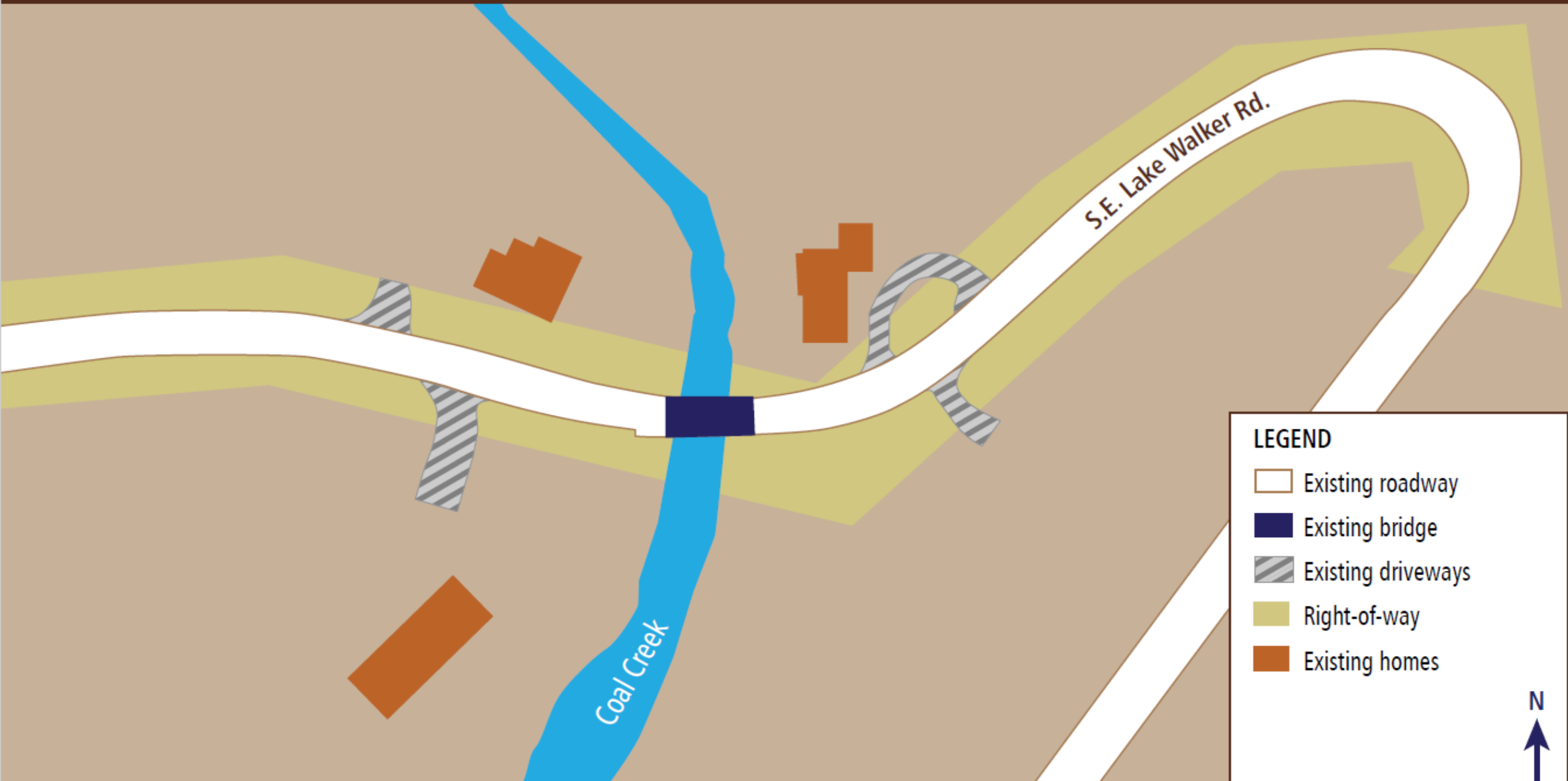
# The existing bridge layout



- Built in 1958
- Sole access road for Lake Walker community
- Two-lanes on the bridge
- 41 feet long, 18 feet wide
- No shoulders

# Coal Creek Bridge Replacement Project

## Existing Conditions

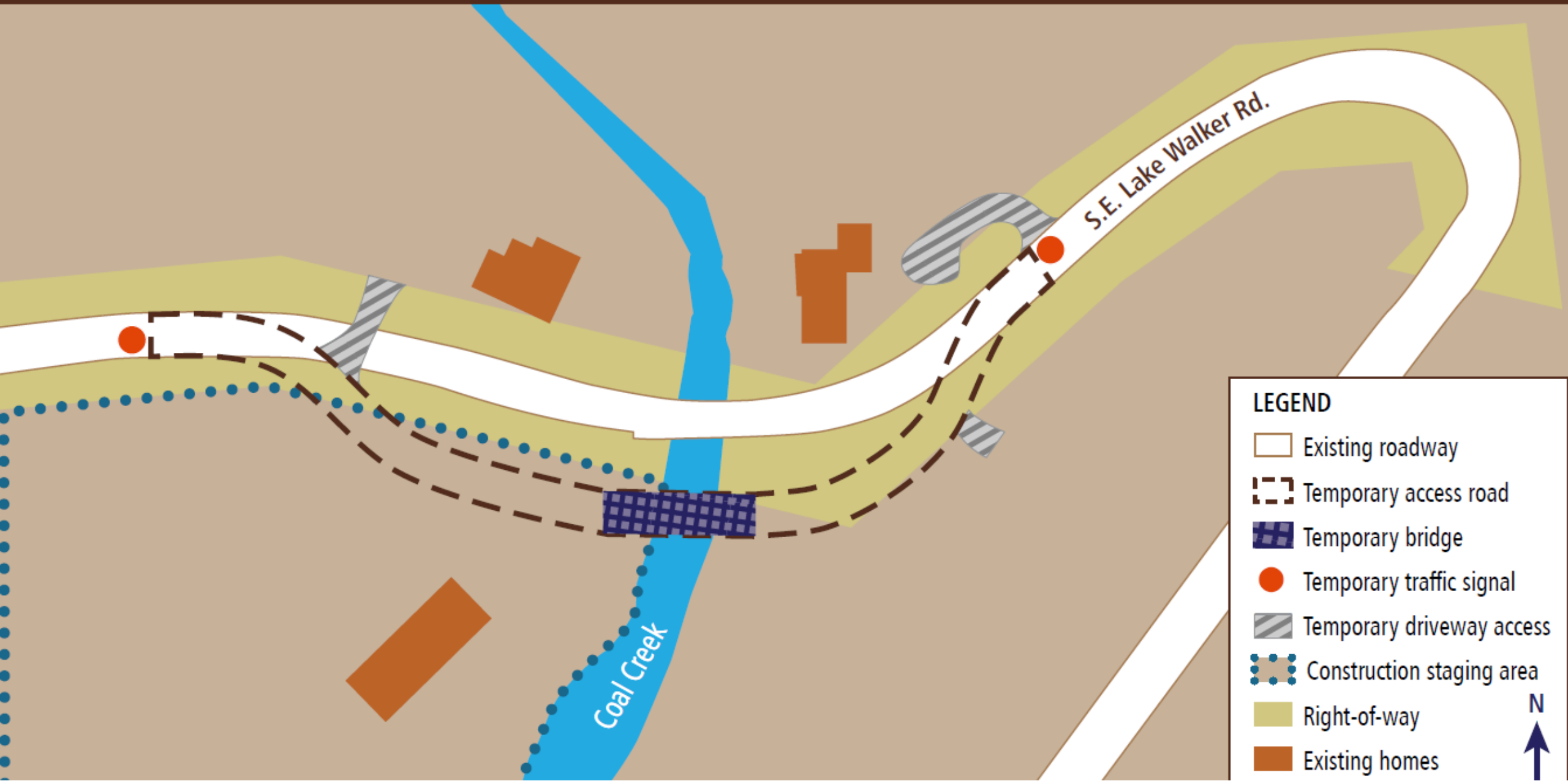


- LEGEND**
- Existing roadway
  - Existing bridge
  - Existing driveways
  - Right-of-way
  - Existing homes



# Coal Creek Bridge Replacement Project

## Conditions During Construction



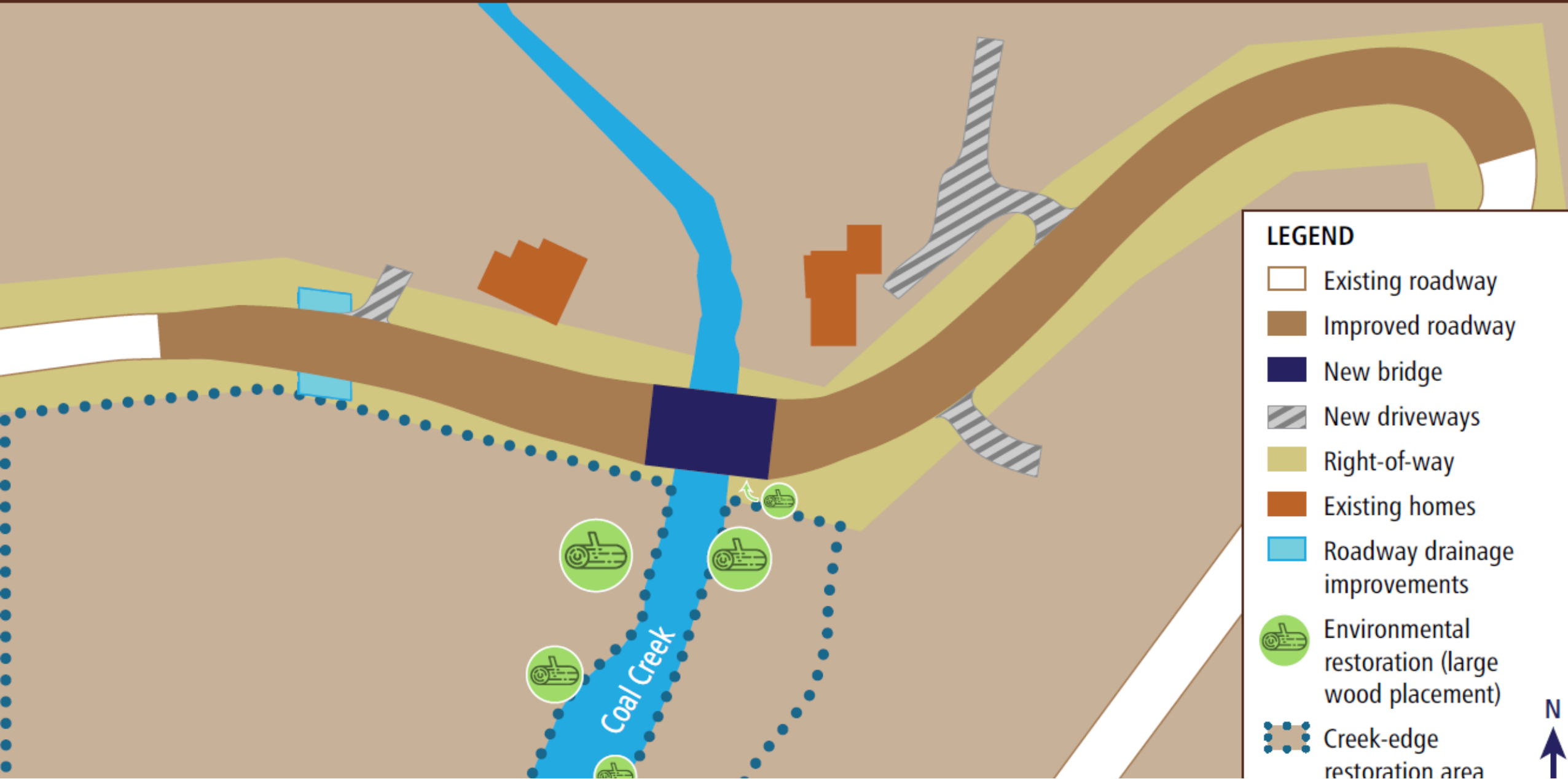
**LEGEND**

-  Existing roadway
-  Temporary access road
-  Temporary bridge
-  Temporary traffic signal
-  Temporary driveway access
-  Construction staging area
-  Right-of-way
-  Existing homes

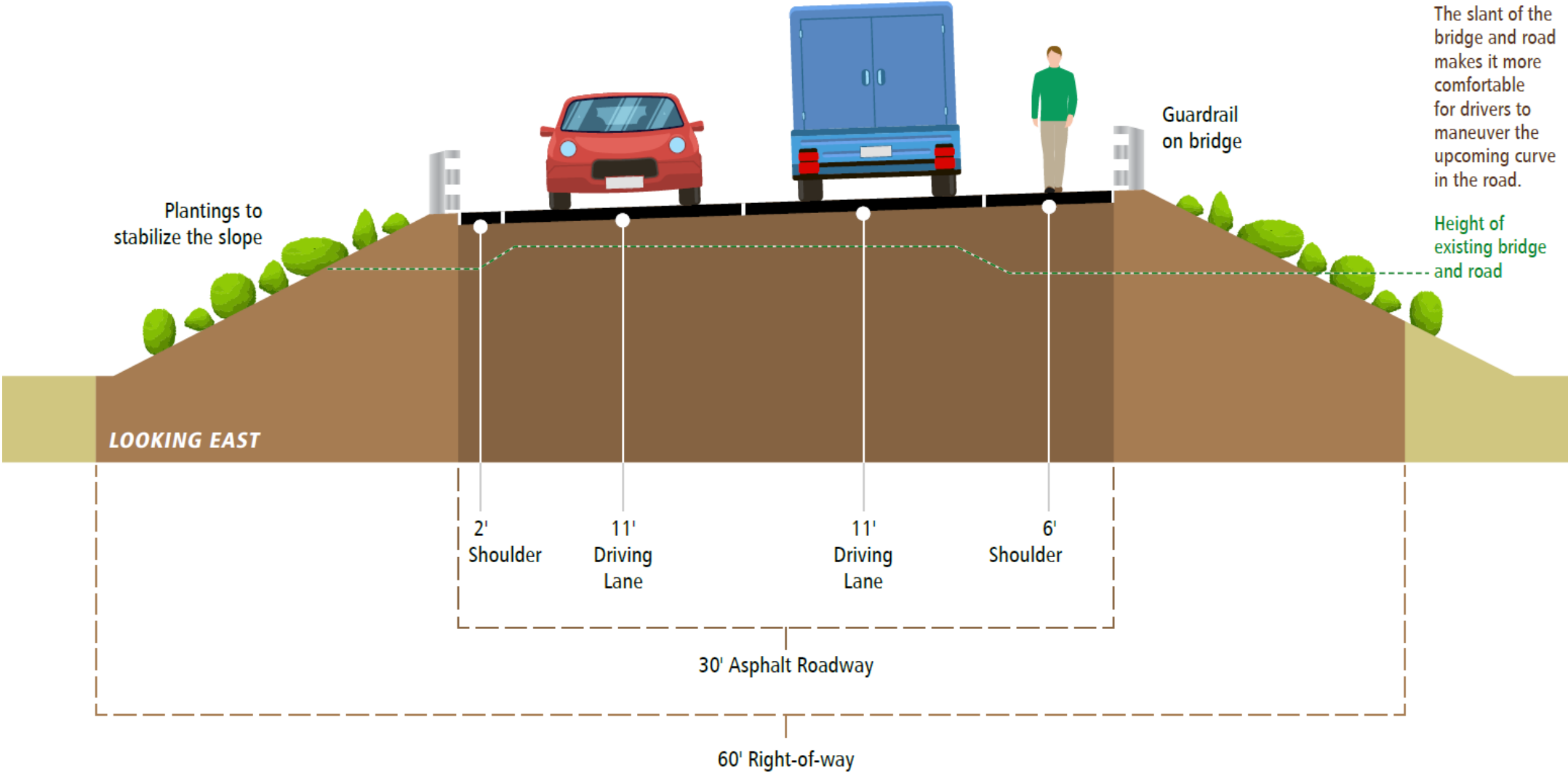
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# Coal Creek Bridge Replacement Project

## Future Conditions



# After construction – No weight limits



The slant of the bridge and road makes it more comfortable for drivers to maneuver the upcoming curve in the road.



Questions

# Environmental Improvements



Problem:  
Narrow channel under the bridge restricts water flow



Solution:  
Widen channel under bridge

# Environmental Improvements

## Creek restoration

### Goals:

Improve fish habitat and reduce erosion

### What the project will do:

- Remove creosote timber piles from the channel
- Add new creek bed gravel
- Enhance habitat in water
- All creek restoration elements will be monitored at least five years.





# Environmental Improvements

Land restoration near the creek's edge (creek buffer area)

## Goals:

Improve water quality, wildlife habitat and reduce erosion

## What the project will do:

- Restore and stabilize the soil so that it is healthy
- Plant 2,115 Northwest native trees and shrubs
- King County will monitor and maintain all new plantings for at least three years.
- 65 trees will be removed to make room for construction of the new bridge and the temporary bridge.
- All 65 felled trees will be upcycled and used for land and stream restoration in the immediate area.



# Environmental Improvements

## Reduce flooding in the area

### Goal

Slow down and spread out the flood water on its way to the creek

### What the project will do:

- Enhance the flood plain located on both sides of the creek downstream of the bridge to hold and redirect water away from the road
- Add pipes (culverts) under the west bridge approach to drain flood water away from the road





Questions

# Construction Hours

**Monday to Friday and occasional weekends**

**7:00 am –7:00 pm**

## On-site contact during construction

**Jeff Wilcox, King County Resident Engineer**

**206-503-0973**

## Additional contact at King County

**Broch Bender, Communications Manager (Road Services)**

**206-263-1189 or [Bbender@kingcounty.gov](mailto:Bbender@kingcounty.gov)**

# Temporary bypass bridge during construction

- Traffic shift: August 2021 to spring 2022
- Single-lane bypass bridge
- Open to all vehicles
- No weight restrictions
- Emergency vehicles OK
- Two-way traffic controlled by portable traffic light



Patton Bridge Repair Project, 2021



Bypass bridge from 15-mile Creek Bridge construction in 2013

# Noise, dust, vibration

- Noise from: saw cutting, jackhammers, excavators, trucks, generators, pumps.
- 24-hour stream bypass pump. Sounds like an idling car engine. (July to Sept. 30)
- Trucks hauling materials to and from the construction site.
- Will contain dust and dirt by spraying down the area.



**162<sup>nd</sup> Ave SE at SE 166<sup>th</sup> Ct.  
Culvert Replacement, 2020**

# Many ways to stay informed during project



## Project website

[kingcounty.gov/coalcreekbridge](http://kingcounty.gov/coalcreekbridge)



## Landline phone

(206) 263-1189



## Email

[Bbender@kingcounty.gov](mailto:Bbender@kingcounty.gov)



## Project email updates

Sign up! Contact Broch Bender  
[Bbender@kingcounty.gov](mailto:Bbender@kingcounty.gov)





Questions





**King County**

Department of Local Services

**Road Services Division**

Thank you!

# Tree, shrubs, other vegetation summary

| 11 Tree Species         |                   |
|-------------------------|-------------------|
| Grand Fir               | Bitter Cherry     |
| Big Leaf Maple          | Douglass Fir      |
| Red Alder               | Cascara           |
| Oregon Ash              | Western Red Cedar |
| Western Crabapple       | Western Hemlock   |
| Sitka Spruce            |                   |
| <b>TOTAL: 380 trees</b> |                   |

| 21 Shrub (and other) Species |                       |
|------------------------------|-----------------------|
| Vine Maple                   | Western Sword fern    |
| Serviceberry                 | Red-flowering Currant |
| Red-osier Dogwood            | Bald Hip Rose         |
| Beaked Hazelnut              | Swamp Rose            |
| Salal                        | Thimbleberry          |
| Ocean Spray                  | Salmonberry           |
| Black Twinberry              | Scouler's Willow      |
| Tall Oregon Grape            | Sitka Willow          |
| Indian Plum                  | Red Elderberry        |
| Mock Orange                  | Snowberry             |
| Pacific Ninebark             |                       |
| <b>TOTAL: 1,735 shrubs</b>   |                       |

# Before and after bridge comparison

| Construction Pieces | Existing                     | Future                               |
|---------------------|------------------------------|--------------------------------------|
| Superstructure      | Steel girders/precast timber | Concrete slabs                       |
| Bridge span         | 41 feet                      | 57 feet                              |
| Curb-to-curb        | 18 feet                      | 31                                   |
| Sidewalk/shoulder   | None                         | 6.5 feet (South)<br>2.5 feet (North) |
| Lane width          | 9 feet                       | 11 feet                              |
| Road approach       | None                         | 25 feet (minimum)                    |
| Location            | Existing                     | Existing                             |
| Seismic             | Vulnerable                   | Standard                             |
| Weight restrictions | Trucks                       | None                                 |