

## **Agenda**

- Welcome, agenda overview, and introductions
- Bridge updates
- Low bridge access policy update
- Reconnect West Seattle Implementation Plan
- West Marginal Way SW outreach update
- Next Steps



#### **Presentation Overview**

- Background and what has changed since November 9 Full Council briefing
- Key Issues
  - Maintaining aggressive schedule on phase 2 rehabilitation
  - Delivering Reconnect West Seattle traffic management commitments
  - Managing access to the Lower Spokane Street Bridge



Photo credit - Patrick Robinson





# West Seattle Bridge emergency closure

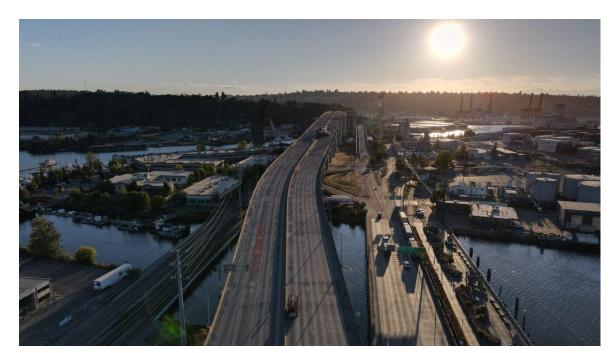
- Bridge closed on March 23, 2020 due to rapid growth in cracking along the center section of the bridge
- After closure, crack growth continued, confirming immediate removal of live traffic load was essential
- Mayor declared the closure a City emergency in July and decided in November to move ahead quick to repair the bridge
- Initial stabilization efforts, completed in December, are performing as expected



# Preliminary design cost estimate for rehabilitation

# Established cost estimate to measure against as we move forward:

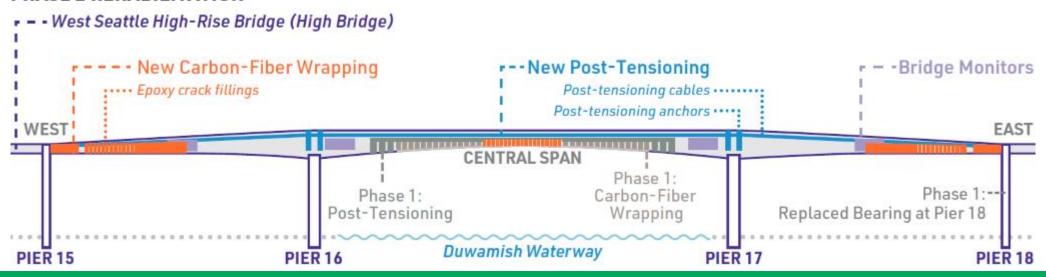
- Total program cost: \$175 million includes high and low bridge rehabilitation, Reconnect West Seattle, monitoring, phase 1 rehabilitation, and program management
- High Bridge rehabilitation: approx. \$58 million
- Swing Bridge rehabilitation: approx.
   \$14 million



# High bridge rehabilitation preliminary design

- Use proven construction methods to ready the bridge for traffic to return
- Install new carbon-fiber wrap on the central span and end spans
- Complete additional post-tensioning throughout
- Include Pier 18 ground stabilization. This work is not required prior to bridge reopening.
- Consider including repair projects to the bridge corridor while the bridge is out of commission (e.g., concrete repairs, expansion joint replacement)

#### PHASE 2 REHABILITATION



## Focused on maintaining the swing bridge

#### **Swing Bridge Rehabilitation Project**

- Take a proactive approach to strengthen and monitor low bridge while the high bridge is closed
- Coordinate preventative improvements with current FHWA commercial vehicle load standards
- Work on low bridge rehabilitation in the same contract as the high bridge rehabilitation work

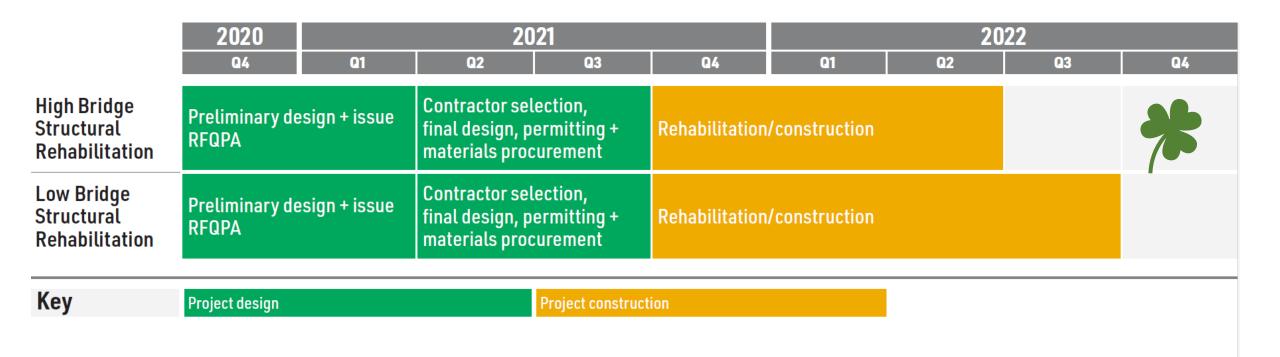


## Swing bridge preliminary design

- Install new carbon fiber wrap (internal and external of girders)
- Complete epoxy crack injections throughout
- Look closely at the mechanical center-lock system that latches the two spans
  of the bridge together when it's in the closed position



### Bridge rehabilitation construction schedule



Note: Schedule and budget will be updated next after we reach intermediate design; this information is subject to change.

# Our contracting approach is helping us stay on schedule and move quickly

- Released the high and low bridges rehabilitation Request for Qualifications and Project Approach (RFQPA) on March 10
- Moving forward with General Contractor/Construction Management (GC/CM) approach
- GC/CM alternative delivery method provides better schedule predictability





Initial stabilization of the high bridge was completed at the end of 2020.



### **Project Construction Goals**

- Honor schedule commitments
  - High bridge construction complete June 2022
  - Substantial construction complete by end of 2022
  - Reduce risk to the project and maximize quality in design and construction
- Maximize safety (workers, community, traveling public)
- Open communications about project
- Collaboration with the Project Team and stakeholders during design and construction
- Be a good neighbor (minimize impacts to stakeholders and public)

Note: Reopening goal remains mid-2022

# High Bridge rehabilitation construction milestones



# **Contractor solicitation**

- Preliminary design complete
- Contractor selection begins





# Contractor on board

- Contractor and design team coordination
- Intermediate design, schedule and budget update



# Final design

- Design complete
- Final design update on schedule and budget
- Construction planning ramps up





# Construction begins

Physical rehabilitation to bridge begins



# **Construction ends**

 High bridge rehabilitation construction complete

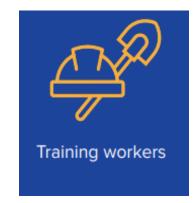


# High and low bridge rehabilitation contracting

- Continuing to invest in the surrounding communities in both street/safety investments, and through contracting provisions
- Seeking Community Workforce
   Agreement/Priority Hire for this
   project, ensuring the contractor hires from
   economically distressed ZIP codes.
   Seeking approval from USDOT
- Including a Disadvantaged Business Enterprise (DBE) goal established later in design by WSDOT









#### Low Bridge Access: enforcement and fines



Beginning January 2021, private vehicles driving on the bridge between 5 AM and 9 PM will be **fined \$75 for each trip.** 

- Began photo enforcement system in January 2021
- Priority access for emergency vehicles, heavy freight, buses, and other pre-approved users with license-plate based access
- Low Bridge is open to **private vehicles** from 9 PM to 5 AM
- Conducting targeted outreach now to inform equitable policy updates this Spring with a focus on BIPOC owned businesses, healthcare providers and people seeking lifesaving medical treatment





# Working with the community \*\*





8,600 people receive weekly email updates



92 blog postings shared with community



**2X** the number of blog views since March 2020



200+ interviews or responses to media requests



Met with 145+ stakeholder groups



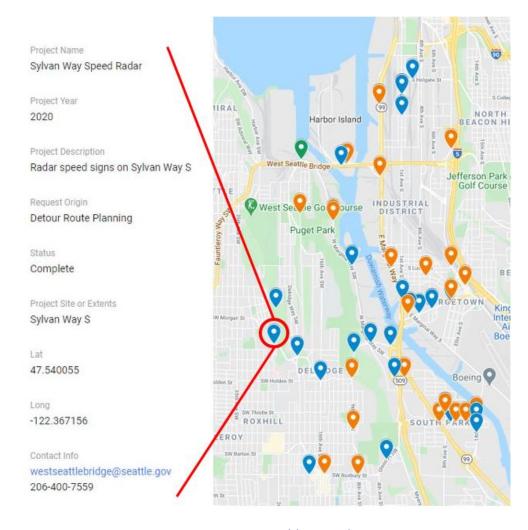
Meet monthly with 3 advisory groups to inform and guide City's response to the Bridge closure:

- Community Task Force
- Employer Resource Group
- Maritime Town Hall

#### **Reconnect West Seattle**

A plan to achieve a reconnected West Seattle peninsula with similar levels of travel across the Duwamish to those seen before the closure of the High-Rise Bridge, and at the same time reducing impacts to communities in the Duwamish Valley.

- Project dashboard tracks status
- 2020: completed all 22 projects
- 2021: 32 projects planned for implementation
- Continue to collect input from community in early 2021 for project ideas to construct in 2022



To view this map visit: https://bit.ly/380DAv3



### **Funding Strategy**

- Leverage up to \$150 million of the City's financial commitment (\$100M secured;
   \$50M unsecured)
  - Spent \$31M to date primarily on the stabilization and emergency repairs but also on traffic mitigation efforts, bridge monitoring/testing, high bridge replacement planning, high/low bridge design, and program development.
- Partner with Washington State, the Port of Seattle, and other stakeholders all recognize the local, regional and state-wide economic and mobility significance of the Bridge
- Utilize and seek additional federal funding
  - Secured \$15.9M in PSRC grants (\$14.4M high bridge; \$1.5M TDM)
  - Applying for a USDOT INFRA grant

## INFRA grant - letters of support

- Working on Infrastructure for Rebuilding America (INFRA) grant
- Requesting \$17-21 million
- Six key objectives:
  - ✓ Supporting economic vitality
  - ✓ Climate change/environmental justice
  - ✓ Racial equity/barriers to opportunity
  - ✓ Leveraging of federal funding
  - ✓ Innovation
  - ✓ Performance and accountability
- Application due March 19
- Thank you for Council's letter of support



### **PSRC Grant Acceptance**

Ordinance authorizes acceptance of PSRC allocation of \$14.4 million for West Seattle Bridge High Bridge Repair Project

- \$6.9M Surface Transportation (STP) previously awarded for bridge replacement now reallocated to repair; and
- \$7.5M newly awarded Highway Infrastructure Program (HIP) funds

\$12.4M net amount added to CIP (MC-TR-C110)

(\$2M in appropriation authority previously granted to SDOT in 2020 for bridge replacement, repurposed with acceptance of STP funds)

#### **Questions / Discussion**

www.seattle.gov/transportation/WestSeattleBridge











