Community Task Force

Meeting #1
June 10, 2020

City of Seattle

Agenda

1. Welcome on behalf of Mayor Durkan
2. Welcome from Co-chairs and introductions of Task Force members
3. Meeting logistics and agreement on ground rules
4. Task Force purpose and objectives
5. Project background
6. Connecting the threads
7. Next steps

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Co-chairs: Task Force Introductions

- Please introduce yourself (name, neighborhood, who you represent)
- What do you hope to accomplish as a Task Force member?

Co-chairs: Community Task Force purpose and objectives

Purpose:

Help ensure transparency, clear communication, and broad community engagement around both traffic mitigation efforts and the future path forward for the West Seattle High-Rise Bridge
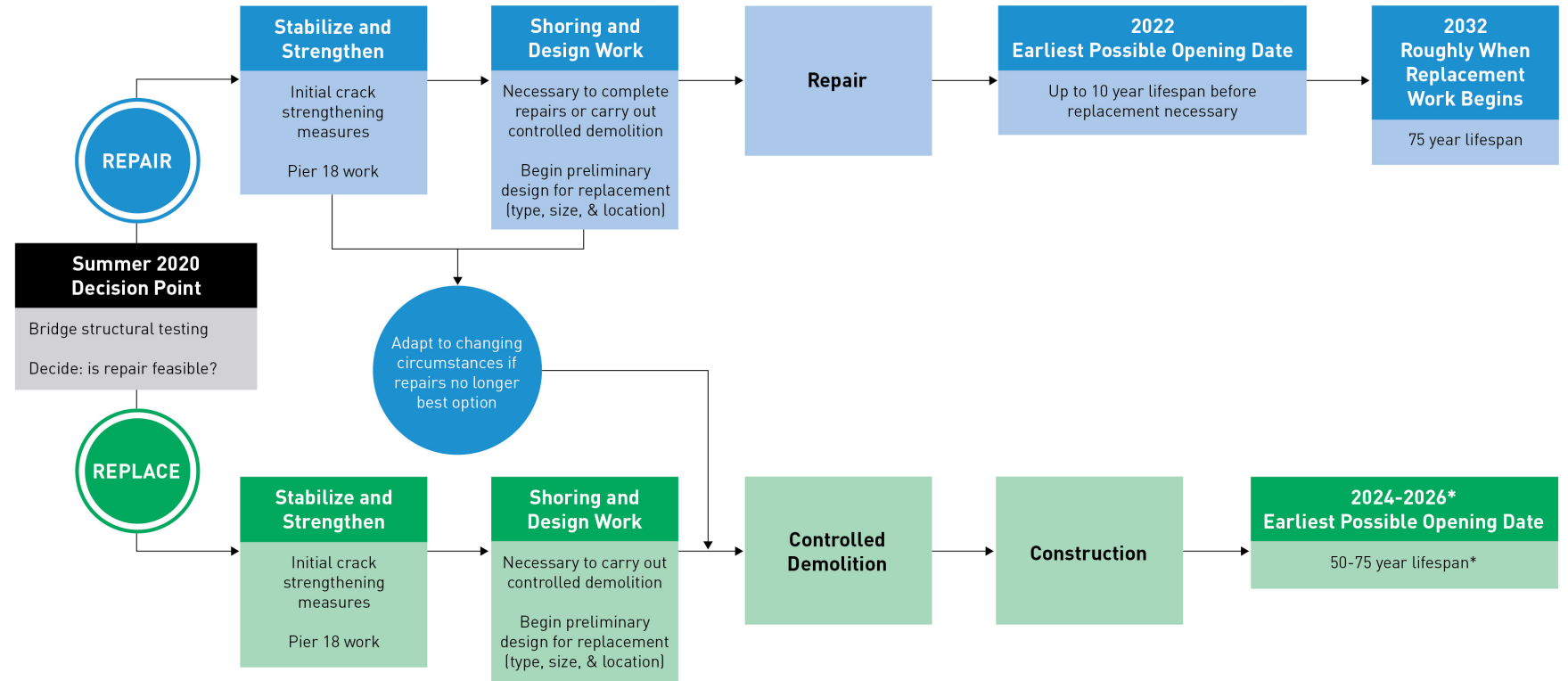
Objectives:

- Advise on key bridge and finance decisions
- Guide traffic mitigation and project prioritization
- Bring forth community values, priorities and ideas

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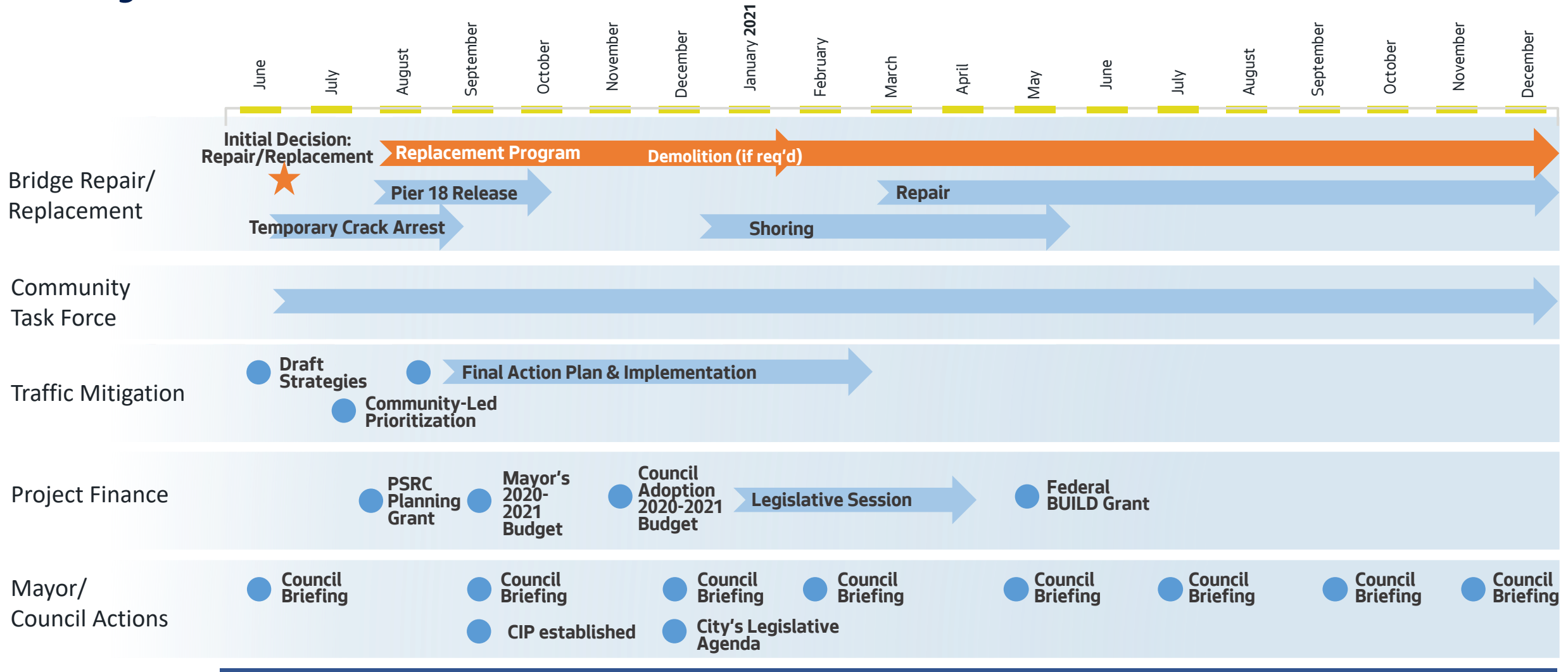
Task Force Input Needed

- Decision-Maker Briefings

- Communications and Outreach

- Technical Bridge Repair Work

- Traffic Mitigation

Possible Pathways to Reopen West Seattle Bridge

REPAIR

Summer 2020 Decision Point

Bridge structural testing

Decide: is repair feasible?

REPLACE

Stabilize and Strengthen

Initial crack strengthening measures

Pier 18 work

Shoring and Design Work

Necessary to complete repairs or carry out controlled demolition

Begin preliminary design for replacement (type, size, & location)

Repair

2022 Earliest Possible Opening Date

Up to 10 year lifespan before replacement necessary

2032 Roughly When Replacement Work Begins

75 year lifespan

Adapt to changing circumstances if repairs no longer best option

Stabilize and Strengthen

Initial crack strengthening measures

Pier 18 work

Shoring and Design Work

Necessary to carry out controlled demolition

Begin preliminary design for replacement (type, size, & location)

Controlled Demolition

Construction

2024-2026* Earliest Possible Opening Date

50-75 year lifespan*

*Depending on type, size, and location of replacement.

Project Milestones

Timeline months: June, July, August, September, October, November, December, January 2021, February, March, April, May, June, July, August, September, October, November, December

Bridge Repair/Replacement

- **Initial Decision: Repair/Replacement** ★
- **Replacement Program** → **Demolition (if req'd)** →
- **Pier 18 Release** →
- **Temporary Crack Arrest** →
- **Shoring** →
- **Repair** →

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→ (spanning timeline)

Traffic Mitigation

- ● **Draft Strategies**
- ● **Community-Led Prioritization**
- ● **Final Action Plan & Implementation** →

Project Finance

- ● **PSRC Planning Grant**
- ● **Mayor's 2020-2021 Budget**
- ● **Council Adoption 2020-2021 Budget**
- **Legislative Session** →
- ● **Federal BUILD Grant**

Mayor/Council Actions

- ● Council Briefing
- ● Council Briefing
- ● Council Briefing
- ● Council Briefing
- ● Council Briefing
- ● Council Briefing
- ● Council Briefing
- ● Council Briefing
- ● CIP established
- ● City's Legislative Agenda

West Seattle High Bridge Safety Project priorities

1. Public safety

2. Urgency to return traffic to WSHB

3. Traffic mitigation while the bridge is closed

4. Stabilizing and shoring the WSHB

5. Closely monitoring and maintaining the low Spokane Street Swing bridge

6. Assess repair feasibility, timeline, and costs for the WSHB

7. Clear communication and transparency

Bridge Background and Details

- Opened in 1984
- Cast-in-place concrete and steel bridge
- One-of-a-kind, uniquely designed for topography and geography
- Designed for three lanes in either direction
- Highest daily traffic volumes among SDOT roadways
  - 84,000 vehicles (2019)
  - 17,000 transit riders

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What has changed since March 23, 2020

- Recent inspections have found cracks continue to grow, but at slower rate, confirming immediate removal of live load was essential

- SDOT has a better understanding of stabilization timeline, but there is still uncertainty

- Emergency plans developed in case of bridge failure

West Seattle High-Rise Bridge

Pier 14 | Pier 15 | Pier 16 | Pier 17 | Pier 18 | Pier 19

Piers 15-18: Area to be repaired

Piers 14-19: Area impacted if the bridge were to fail

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Safety is top priority

- Intelligent monitoring equipment now monitors changes to the bridge in real time, with 24/7 alerts

- Potential cracking scenarios modeled through a Critical Failure Analysis

- Interagency Task Force continues to meet twice a week on emergency planning

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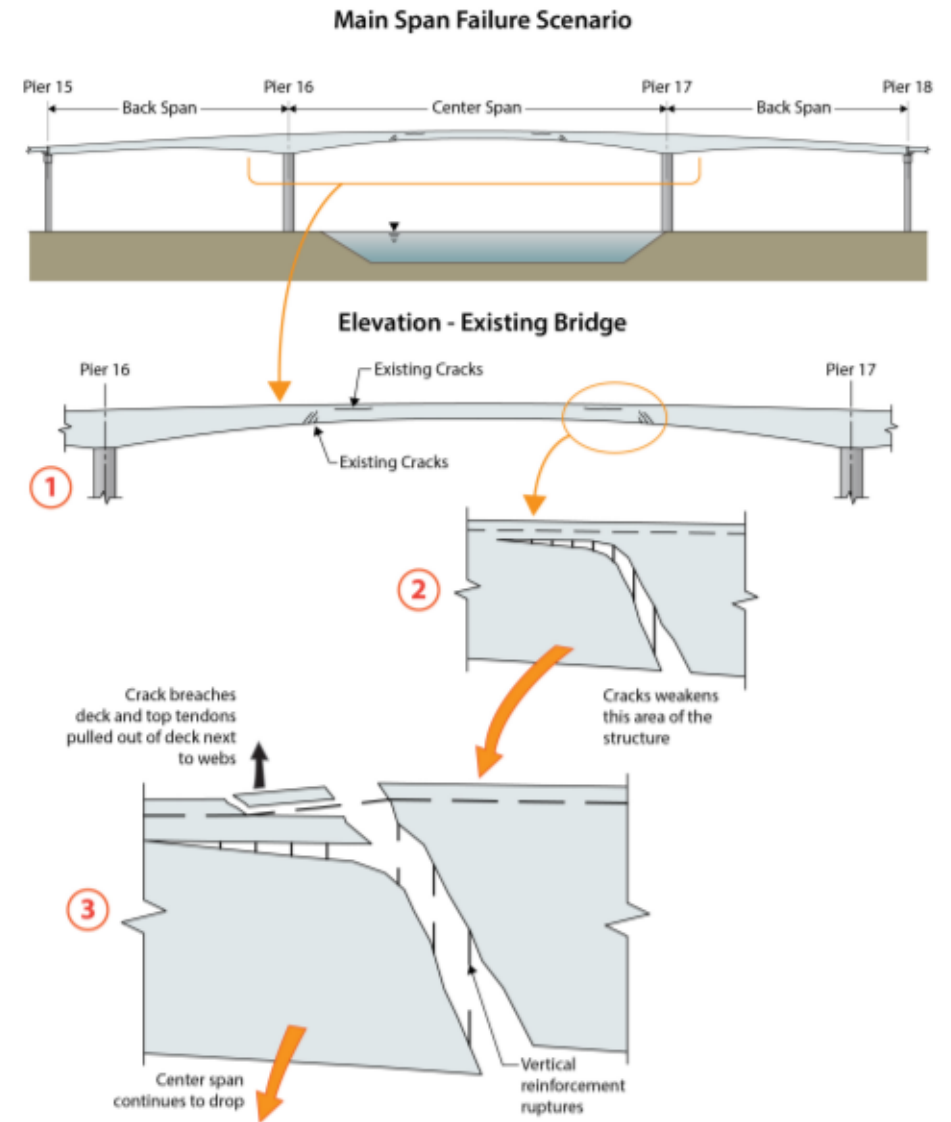
SDOT Three-Phase Approach to WSHB assessment and repairs

- Phase 1: Slow deterioration, assess problem

- Phase 2: Immediate repairs for Pier 18, shore and stabilize WSHB

- Phase 3: Repair Bridge and begin longer term solutions

Location P1 Defect J38SE:

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Moving Ahead on Multiple Paths

Bridge Activities Since the Closure

- Installed monitoring instrumentation
- Secured a contractor to complete bridge stabilization
- Continuing to monitor cracking
- Pier 18 repair construction planning
- Issued an RFQ for a design consultant to consider type, size and location structures in the event of replacement

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Traffic management since the closure

- Added six real-time cameras on detours
- Adjusted signal timing at 26 intersections
- Displaying travel times on dynamic message signs via West Marginal Way
- Installed a temporary signal at Highland Park Way SW and SW Holden St
- Repaved the 5-way intersection west of the Spokane Street/Low Bridge
- Repaved Roxbury between 16th and 18th
- Launching traffic mitigation planning this month

Connecting Community

- Communicate regularly through our website, blog, emails lists, and media and at community briefings
- Advisory groups
  - Community Task Force
  - Maritime Town Hall
  - Employer Resource Groups
- Broad and targeted engagement
- Racial equity lens used to prioritize those most impacted by the closure
- Specifically reaching out to groups that have not traditionally been part of the conversation

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Facilitator: Next steps

- Action items for staff

- Next meeting June 17 at 1pm
  - Traffic mitigation process
  - Bridge Engineering

Questions / Discussion