

West Seattle Bridge Community Task Force

Meeting #29

June 9, 2022

Ensuring CTF meetings are accessible

- Please raise your "hand" if you want to ask a question or make a statement
- Identify yourself every time you speak or ask a question
- If referencing something on the screen, please clearly describe it
- Shortcuts for screen-reader software include:
 - Alt + A to mute and unmute
 - Alt + V to turn on or off the camera
 - Alt + Y to raise and lower your hand

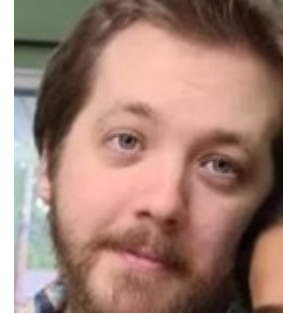
There were two traffic fatalities in
West Seattle / Duwamish Valley in
May 2022.

Please join us for a dedicated call to
action to acknowledge them and
others who have lost their lives or
been seriously injured in traffic
crashes.



Nicholas Wolf, 30 years old

walking in West Seattle when
he was struck and killed on May 6



Gan Hao Li, 73 years old

biking in SODO when he was struck
and killed on May 11



Together we affirm our support for safe streets
and acknowledge our shared commitment
to end serious injuries and fatalities on our streets.

Agenda

- Welcome, agenda overview, and introductions
- West Seattle Bridge updates
 - Updated reopening timeline and discussion of schedule risks
 - Post-tensioning and bridge safety
 - Reconnect West Seattle next steps
- CTF member reflections
- Next Steps for the Community Task Force



A photograph of construction workers at night, illuminated by artificial lights. The workers are wearing hard hats and high-visibility safety vests. They are gathered around a large metal wheelbarrow filled with concrete, appearing to be in the process of pouring or mixing it. The background shows the structural elements of a bridge under construction.

West Seattle Bridge Updates

Heather Marx, SDOT

Schedule update



Questions and Discussion



Post Tensioning

- Post-tensioning is used to repair and strengthen the bridge
- Tensioning is the process of pulling steel cables tightly from anchored points in the bridge
- Tensioning tightens the bridge from end to end, forcing the concrete to compress
- Compressed concrete is stronger, which will allow the bridge to carry vehicular traffic



2020: Inspections

WEST SEATTLE BRIDGE

3 MAIN SECTIONS

WEST SPAN

CENTRAL SPAN

EAST SPAN

In March 2020, inspection crews observed rapidly expanding cracks in the central span

Duwamish Waterway

PIER 15

PIER 16

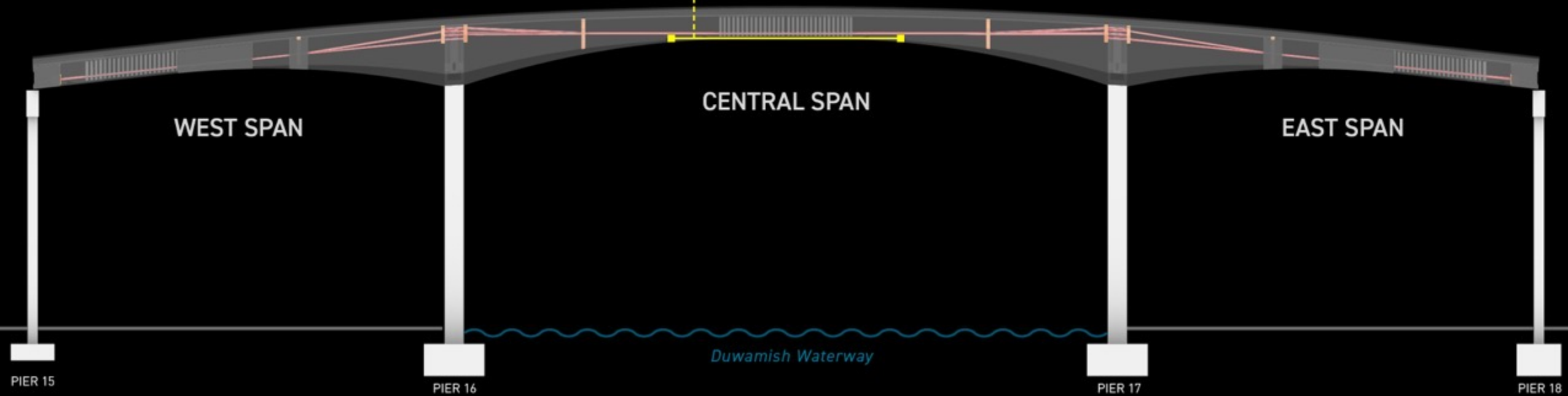
PIER 17

PIER 18

2020: Bridge stabilization

2020 POST-TENSIONING

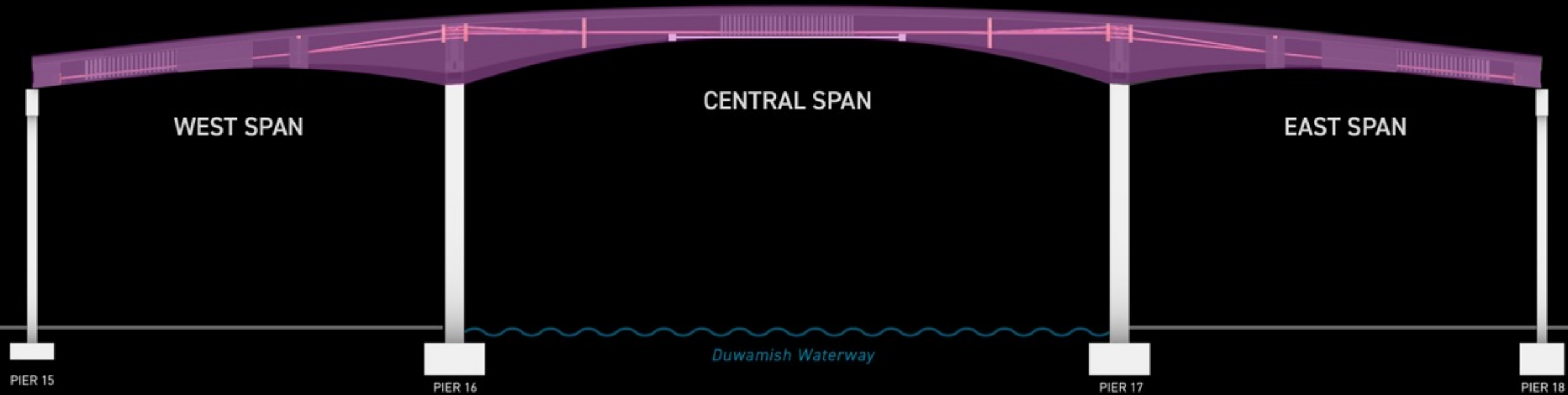
Post-tensioning in 2020 compressed the bridge's central span and sealed cracks in the central span



2021: Final repairs design

2021 REPAIR DESIGN

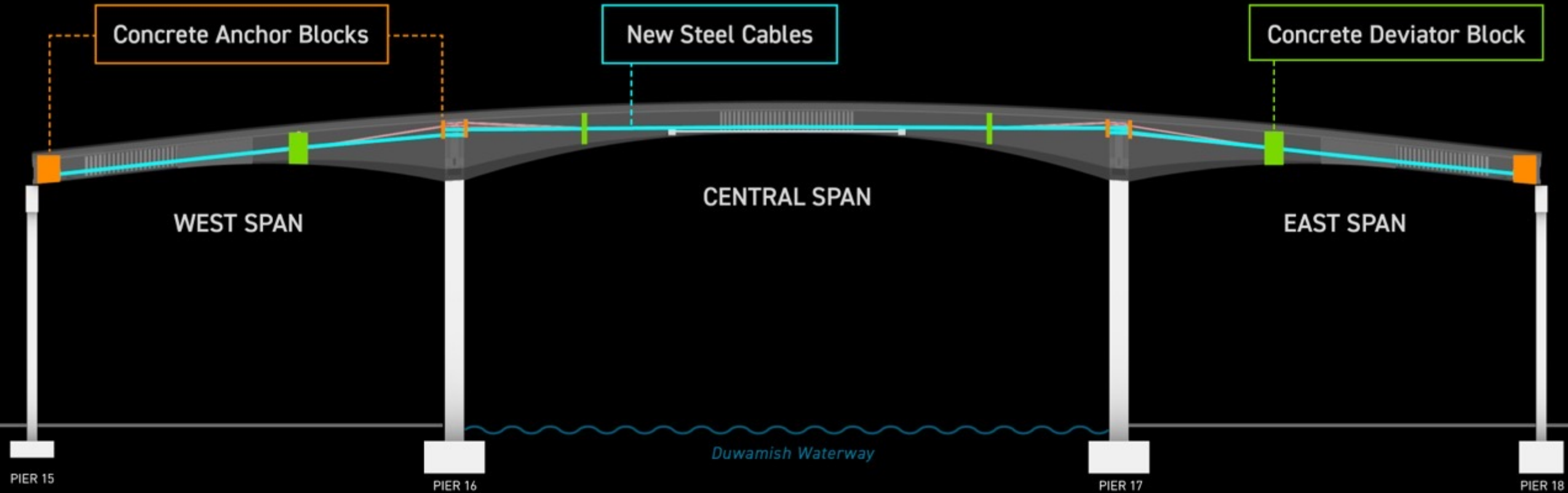
SDOT designed a complex repair plan and hired contractor Kraemer North America to develop a comprehensive repair procedure that builds on 2020 repairs and includes epoxy injections, carbon-fiber wrapping and an additional post-tensioning system.



2022: Additional post-tensioning system

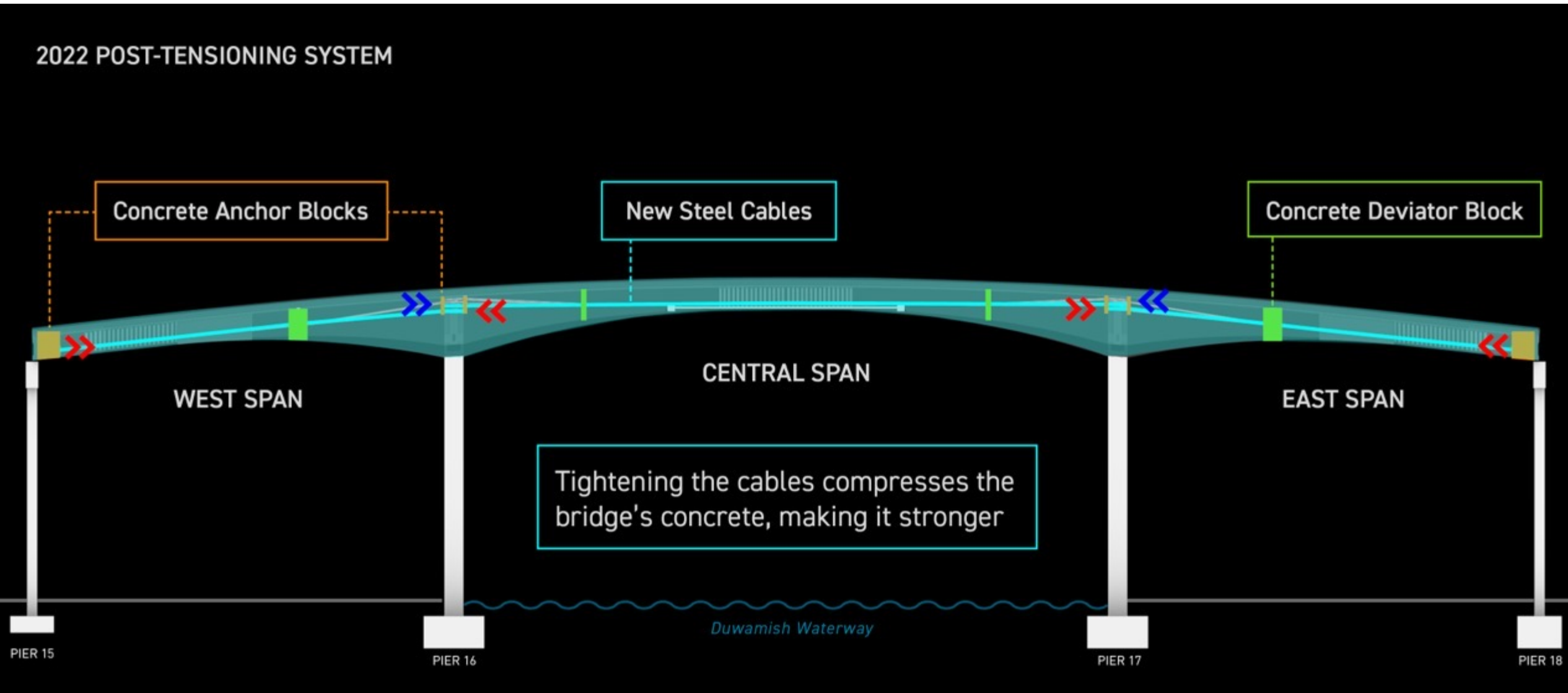
2022 POST-TENSIONING SYSTEM

In Spring 2022, crews began work on an additional post-tensioning system to seal cracks and strengthen the bridge



2022: Additional post-tensioning system

2022 POST-TENSIONING SYSTEM



Questions and Discussion



What's Next

- Low bridge repair
- Reconnect West Seattle update
- Staying in touch





Low bridge repair activities continue through 2022

- Interior and exterior carbon-fiber wrapping and epoxy
- Lift cylinder replacement
- New controls and communications lines
- Other maintenance and repairs

Reconnect West Seattle - through 2022

- Majority of RWS projects will be installed prior to reopening and will remain
 - Reconnect West Seattle and Home Zone projects were long-term neighborhood priorities supporting sustainability and accessibility
 - 7 projects purposely held for construction after reopening
- Projects to facilitate drivers and transit returning to the High Bridge will be completed in alignment with reopening
 - Low bridge restrictions will be lifted
- Flip Your Trip surpassed participant goals! Wrapping up public events in August
- RWS Implementation Plan quarterly reports continue through 2022
- End of program evaluation
 - Reconnect West Seattle follow-up survey
 - Flip Your Trip participant survey

Reconnect West Seattle - beyond 2022

- [Flip Your Trip](#) Transit Go Ticket app accumulated points do not expire
- Continuing to fund transit service investments through Spring 2023
 - Evaluation planned to determine long-term benefits
- Once RWS program is complete, transportation concerns can be reported via these channels:
 - SDOT Bicycle and Pedestrian Program; (206) 684-7583; walkandbike@seattle.gov
 - SDOT Freight Program; (206) 684-4524; Christopher.eaves@seattle.gov
 - SDOT Safe Routes to School Program; (206) 684-7577; ashley.rhead@seattle.gov
 - Contact 684-ROAD, 684-Road@seattle.gov
 - [Download the City of Seattle FindIt, FixIt App](#)
 - [Contact the City of Seattle Customer Service Bureau](#)

Questions and Discussion



Next Steps for the CTF

- SDOT will continue to provide e-mail updates to the Task Force members for important developments
- Please share feedback, reflections, concerns and questions you have with us through bill.laborde@seattle.gov
- We expect to see you at the ribbon cutting before the reopening - details still to be determined

CTF Member Reflections

From the entire SDOT Team:
Thank you!