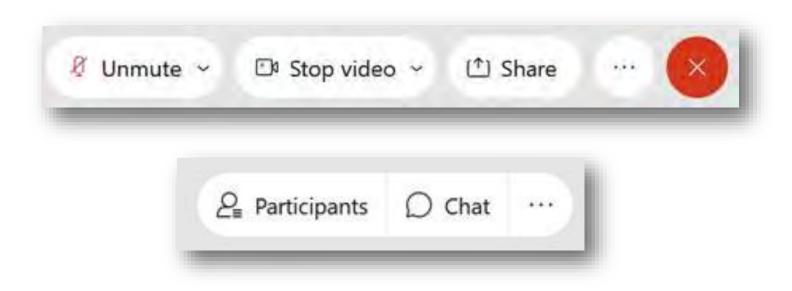


## **Meeting Protocols**



### **Using WebEx participation features**



For WebEx tech support call or email Liz Stoppelmann: (916) 200-5123
Liz.Stoppelmann@hdrinc.com



# **Agenda**



- Welcome, Introductions & Housekeeping
- 2. Public Comment
- 3. Project Update
- 4. Site Context
- 5. Interests Assessment
- 6. Next Steps





### Introductions and Roll Call



#### **Community Task Force**

- Amy Rathfelder, Portland Business Alliance
- Art Graves, Multnomah County Bike and Pedestrian Citizen Advisory Committee
- Dennis Corwin, Portland Spirit
- Ed Wortman, Community Member
- Frederick Cooper, Laurelhurst Neighborhood Emergency Team and Laurelhurst Neighborhood Association
- Gabe Rahe, Burnside Skate Park
- Howie Bierbaum, Portland Saturday Market
- Jackie Tate, Community Member
- Jane Gordon, University of Oregon
- Jennifer Stein, Central City Concern
- Marie Dodds, AAA of Oregon
- Neil Jensen, Gresham Area Chamber of Commerce

- Paul Leitman, Oregon Walks
- Peter Englander, Old Town Community Association
- Peter Finley Fry, Central Eastside Industrial Council
- Sharon Wood Wortman, Community Member
- Stella Funk Butler, Coalition of Gresham Neighborhood Associations
- Susan Lindsay, Buckman Community Association
- Tesia Eisenberg, Mercy Corps
- Timothy Desper, Portland Rescue Mission
- William Burgel, Portland Freight Advisory Committee



## **Public Comment**



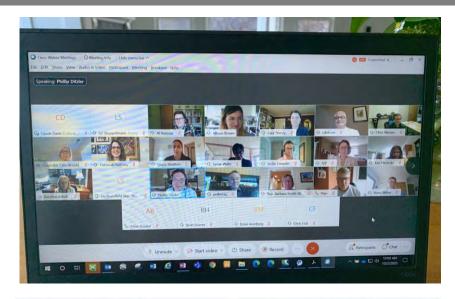




## **Project Update**



- Policy Group Meeting
  - PA Approval
- Working Groups
  - Urban Design + Aesthetics
  - Bridge & Seismic
- City Permitting Coordination
- DEIS Status
  - January/FebruaryPublication







# **Site Context**

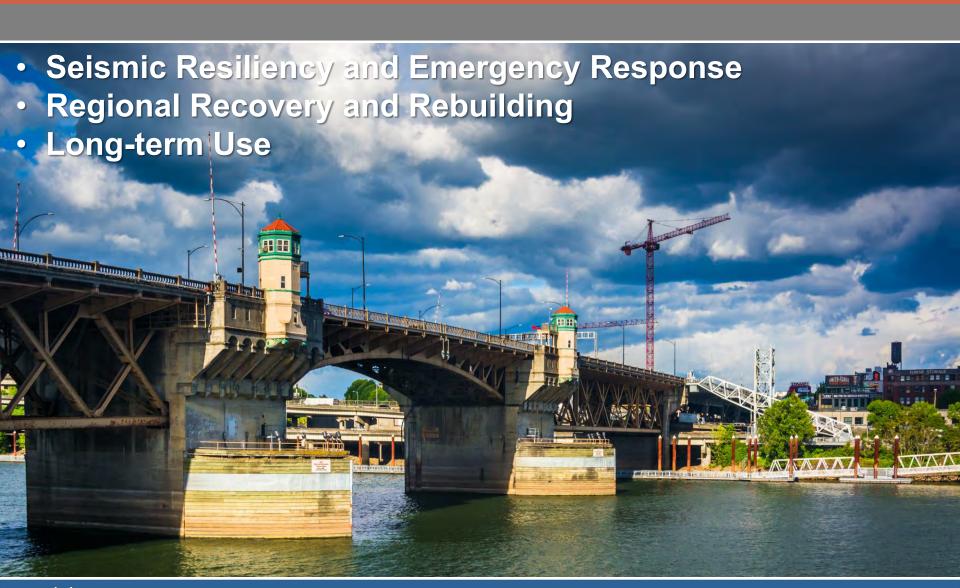






### **Project Purpose and Need**







## **Bridge Design Criteria**



#### **Bridge Seismic Performance Criteria**

It's likely that an earthquake-ready Burnside Bridge would be the only functioning bridge within weeks/months following a major earthquake.



#### The Burnside Bridge must:

- Sustain only minimal damage
- Be usable to all travel modes on the bridge immediately following the CSZ Earthquake
- Have its movable span operational within 1-2 months of the earthquake
- Allow heavy earthquake recovery, response, and material hauling vehicles to cross





## **Best for Seismic Resiliency**



Fewer columns in liquefiable soils reduces its risk from soil movement during an earthquake





# **Long-span Alternative**

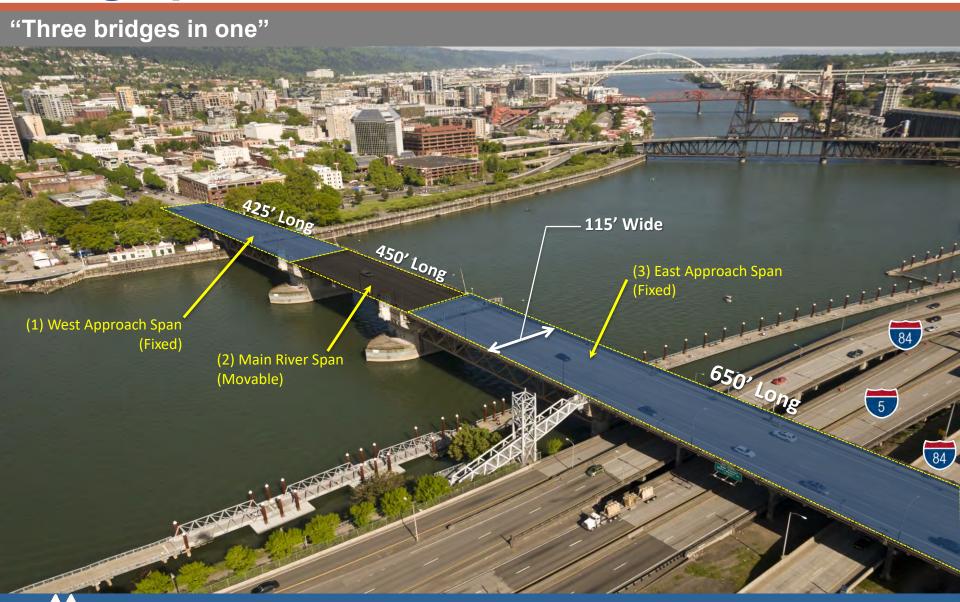


**View towards northeast** # UNION PACIFIC RAILROAD BURNSIDEST SW ANKENY S SKIDMORE FOUNTAIN MAX STATION KEY: **RIGHT OF WAY IMPACTS NEW RAMP & STAIR ACCESS** 



# **Long-span Alternative**

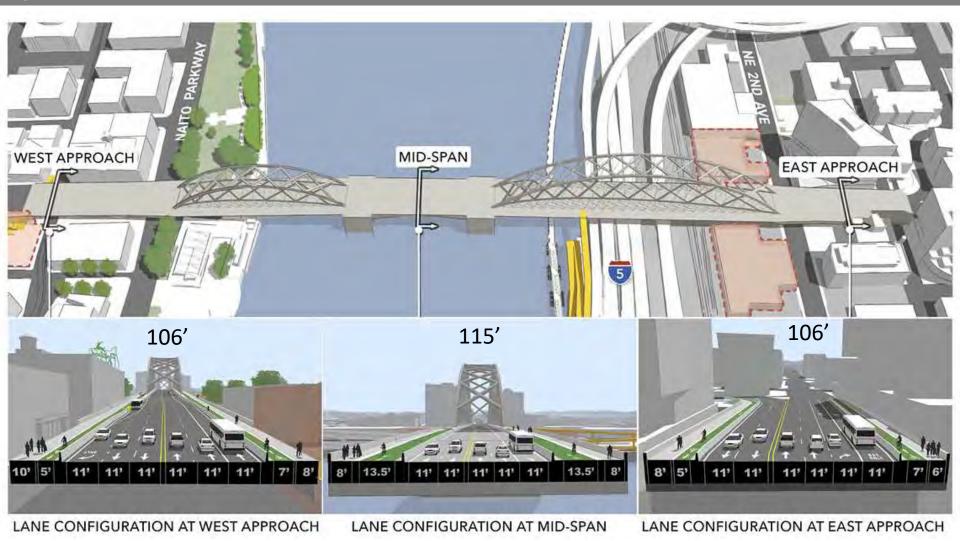




# **Long-span Alternative**



#### **Typical Sections**





### **Site Context**



**West Approach** 



**East Approach** 





## **Project Context**



### **Existing Facilities - Constraints**









- City of Portland Roadway (Naito Pkwy, NE/SE MLK, NE/SE Grand)
- 3 City of Portland Combined Sewer Overflow



Oregon Department of
Transportation Highway Facilities
(I-5 and I-84)



5 Union Pacific Railroad Mainline





## **Portland Rescue Mission**



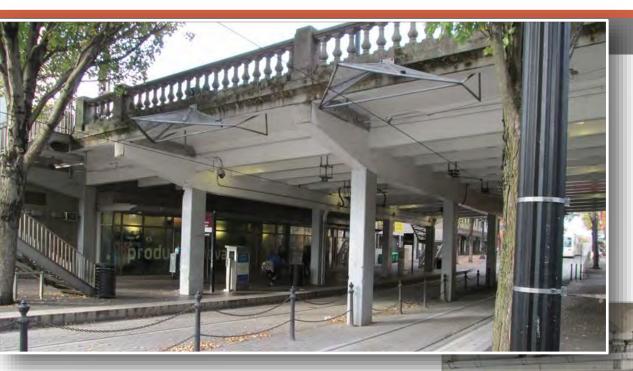




## TriMet - Skidmore Fountain Station



17





# **Naito Parkway**



### Minimize disruptions during construction





# Waterfront Park / Ankeny Plaza











# Japanese American Memorial Plaza



#### **Future Compatibility**









## Willamette River



### Portland as a River City





## Willamette River



#### Views







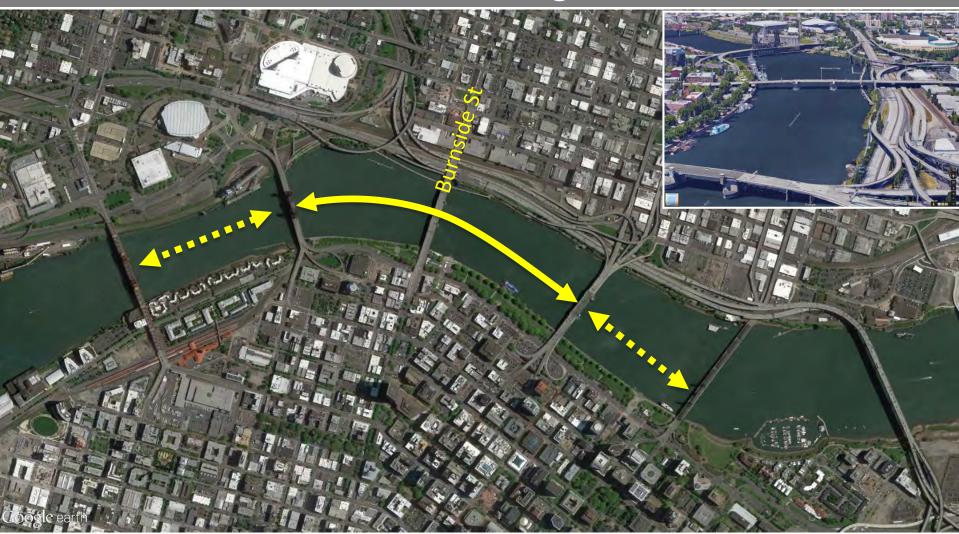




# **Ship Navigation**



### Willamette River's Main Channel Alignment





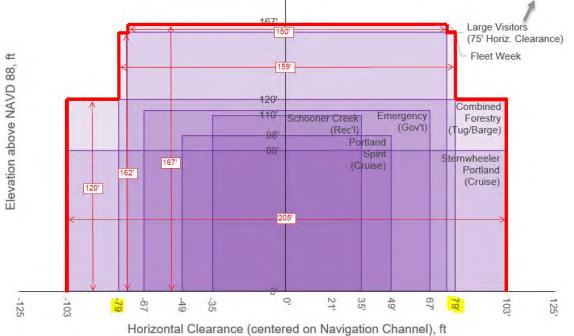
# **Ship Navigation**



#### **Mandatory Vertical Clearance Criteria (from USCG)**

The World (in Portland as recently as 2010)







## **In-river Pier Protection**



#### **Fender or Dolphin Systems**









# **East Bridgehead**



A gateway to East Portland





# **Eastbank Esplanade Connection**



#### **Urban Design Opportunity**









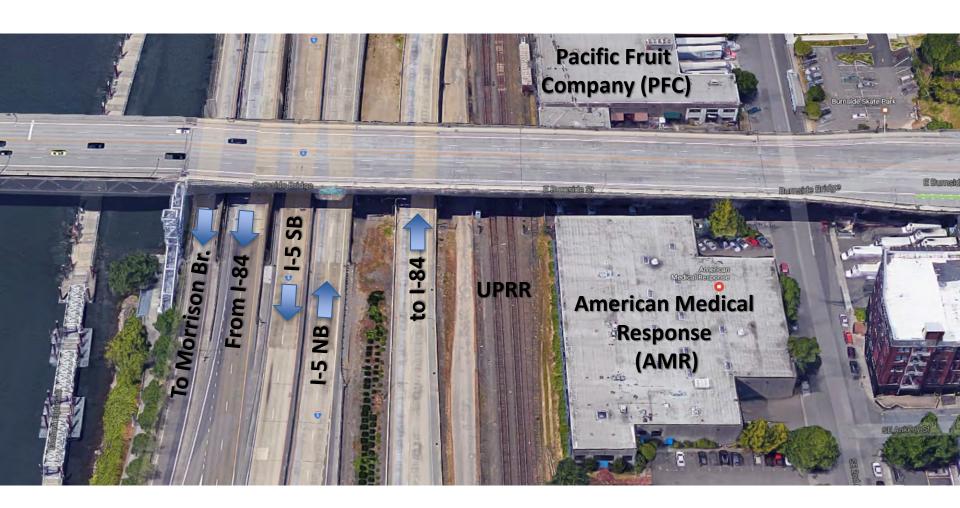




# Crossing over I-5, I-84, and UPRR



A neighborhood connection over key transportation links





# **Burnside Skatepark**



#### A world-renowned Portland asset







# **East Bridgehead**





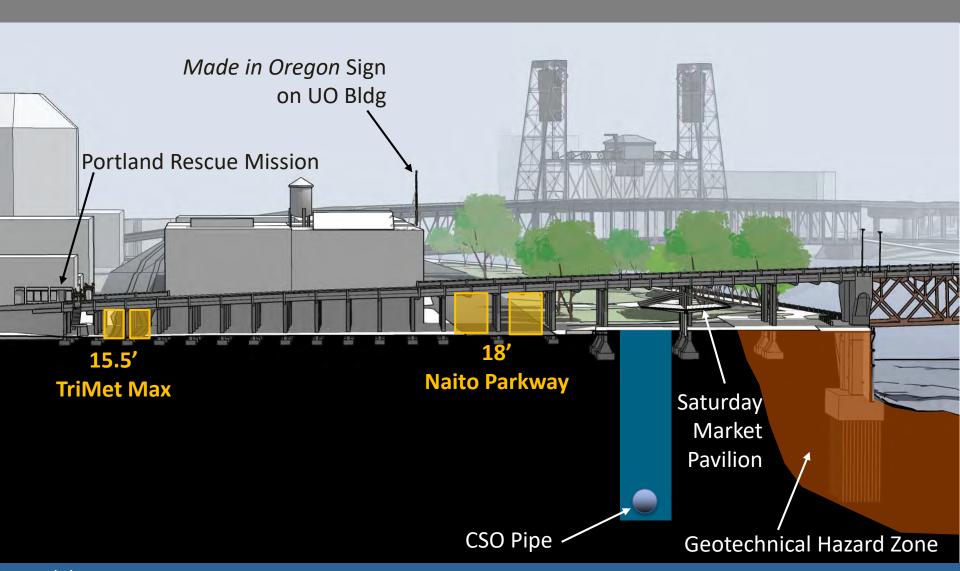






### West Approach View: Existing Bridge







### West Approach View: Tied Arch Concept







## West Approach View: Cable Stayed Concept







### West Approach View: Steel Girder

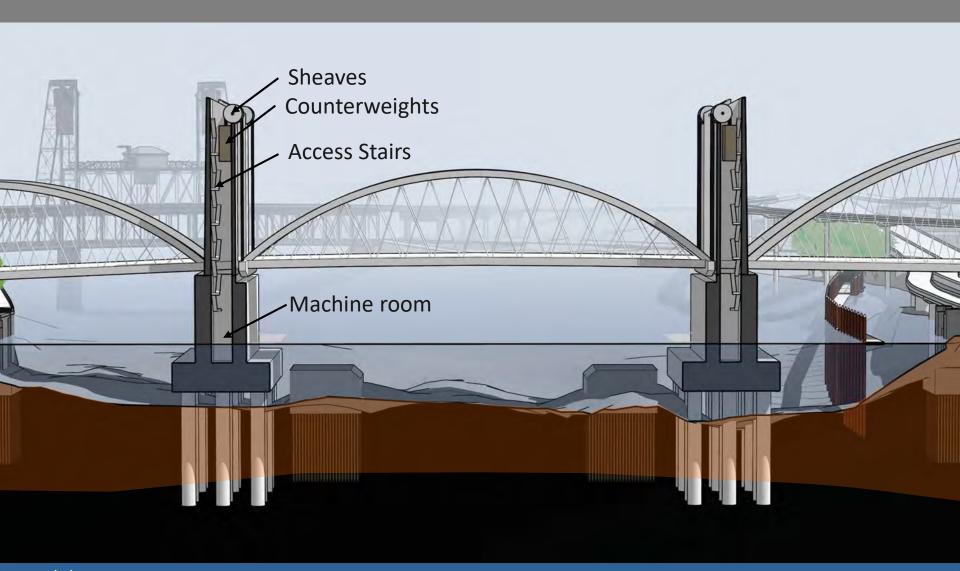






### **River View: Vertical Lift + Tied Arch Concept**

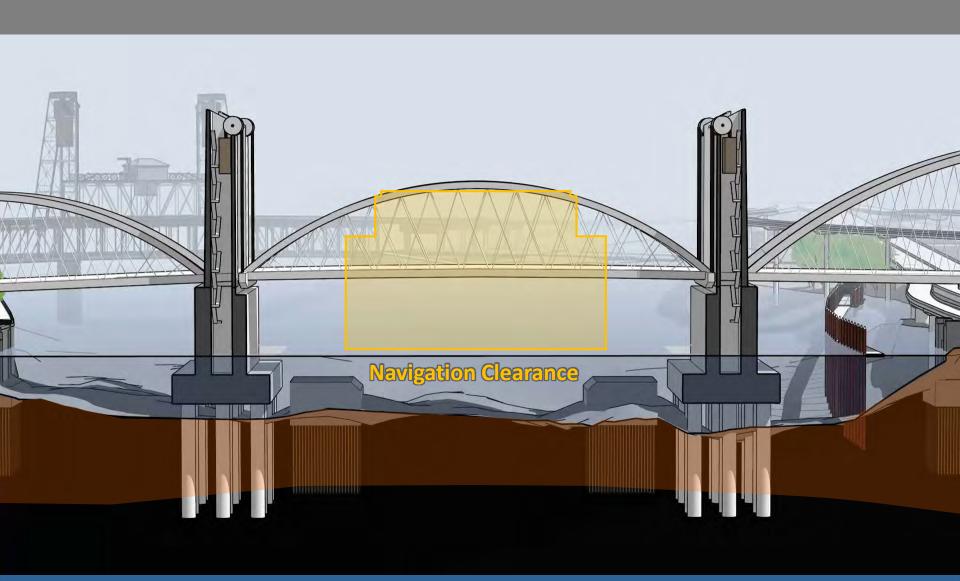






### River View: Vertical Lift + Tied Arch Concept

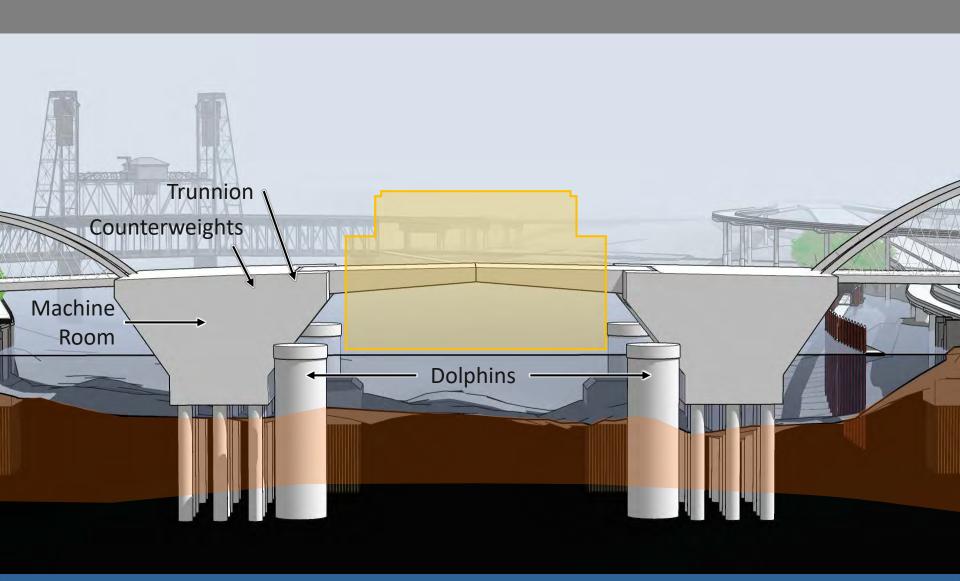






### River View: Bascule + Tied Arch Concept

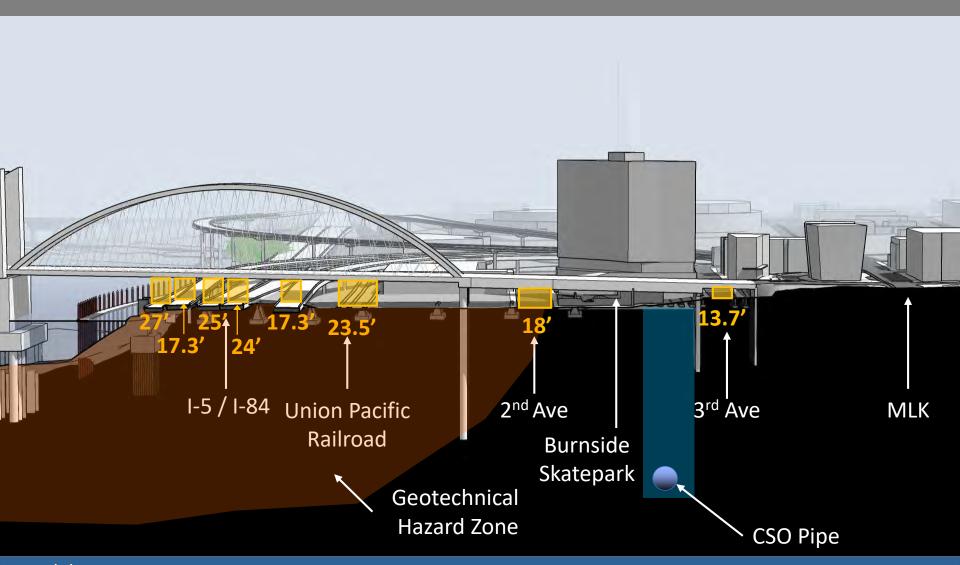






## **East Approach View: Tied Arch Concept**

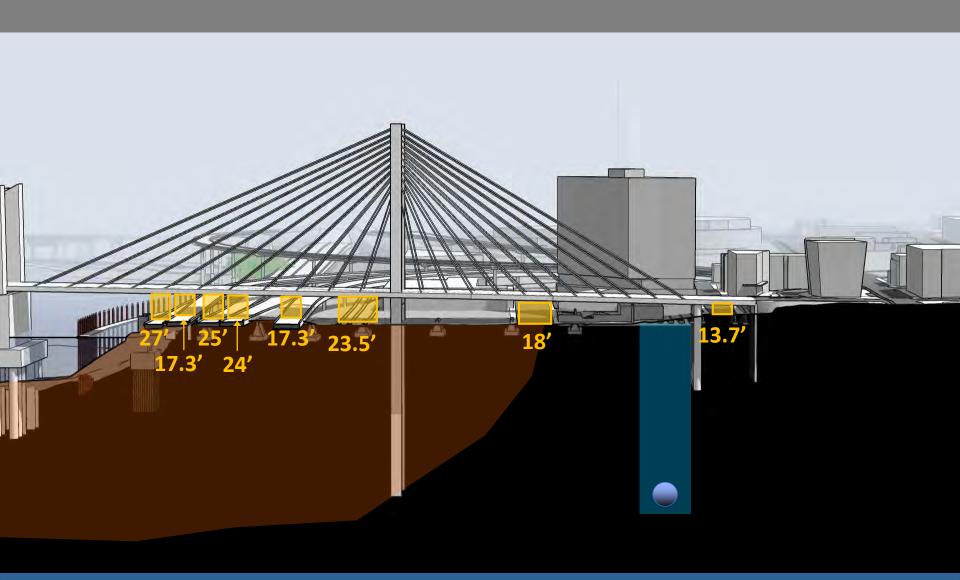






## **East Approach View: Cable Stayed Concept**

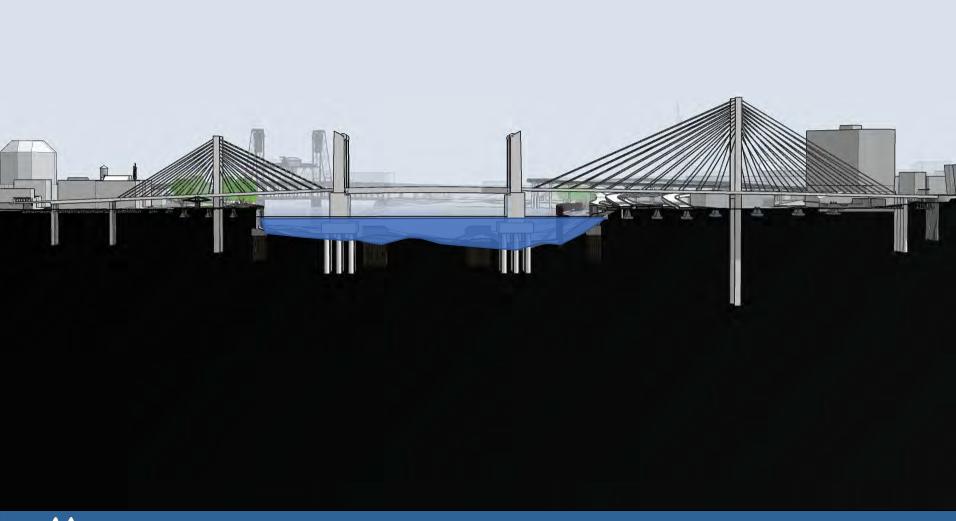






## **Vertical Lift + Cable Stayed Concept**

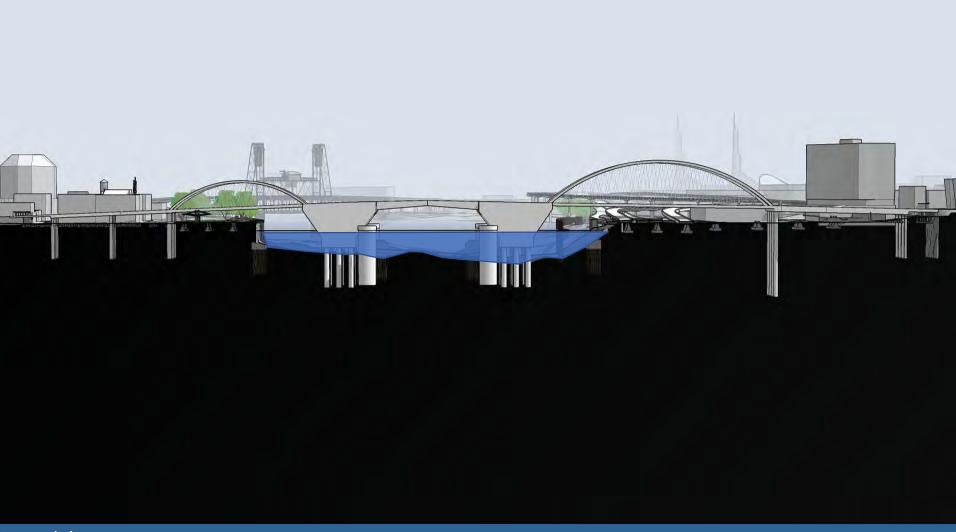






## **Bascule + Tied Arch Concept**







## **Bascule + Arch/Girder Asymmetrical Concept**











# **Questions / Break**



### **Interests Assessment**



Evaluation Process - Steps in Getting to a Recommended Bridge Type





## **Interests Assessment**



Input to inform evaluation criteria development





## **Breakout Session**





CTF members will automatically be placed in virtual small groups with two project staff per group.



20 minutes for discussion and idea sharing. Project staff will take notes.



60 second warning when breakout sessions are about to end



## **Interests Assessment**



### **Breakout Sessions**

What interests and values does our community feel strongly about that must be considered as we evaluate bridge types?

We care about...



# **CTF Meetings**



### **General Focus**

|                                | CTF Meeting Number and Date |         |        |         |        |         |         |        |       |        |        |  |
|--------------------------------|-----------------------------|---------|--------|---------|--------|---------|---------|--------|-------|--------|--------|--|
|                                | 2020                        |         |        |         |        |         |         | 2021   |       |        |        |  |
|                                | #17                         | #18     | #19    | #20     | #21    | #22     | #23     | #24    | #25   | #26    | #27    |  |
|                                | (9/21)                      | (10/26) | (11/9) | (11/23) | (12/7) | (12/21) | (3/1)   | (3/22) | (4/5) | (4/26) | (6/21) |  |
| Orientation and Chartering     |                             |         |        |         |        |         |         |        |       |        |        |  |
| Interests Assessment           |                             |         |        |         |        |         |         |        |       |        |        |  |
| Selection Criteria Topic(s)    |                             |         |        |         |        |         |         |        |       |        |        |  |
| Selection Measures             |                             |         |        |         | 1      |         |         |        |       |        |        |  |
| Criteria Weighting             |                             |         |        |         |        |         |         |        |       |        |        |  |
| Evaluation                     |                             |         |        |         |        |         |         |        |       |        |        |  |
| Bridge Type Recommendation     |                             |         |        |         |        |         |         |        |       | 3      |        |  |
| Technical Design Criteria      |                             |         |        |         |        |         |         |        |       |        |        |  |
| Menu of Bridge Types           |                             |         |        |         |        |         | <i></i> |        |       |        |        |  |
| Range of Feasible Bridge Types |                             |         |        |         |        | 7       |         |        |       |        |        |  |
|                                |                             |         |        |         |        |         |         |        |       |        |        |  |

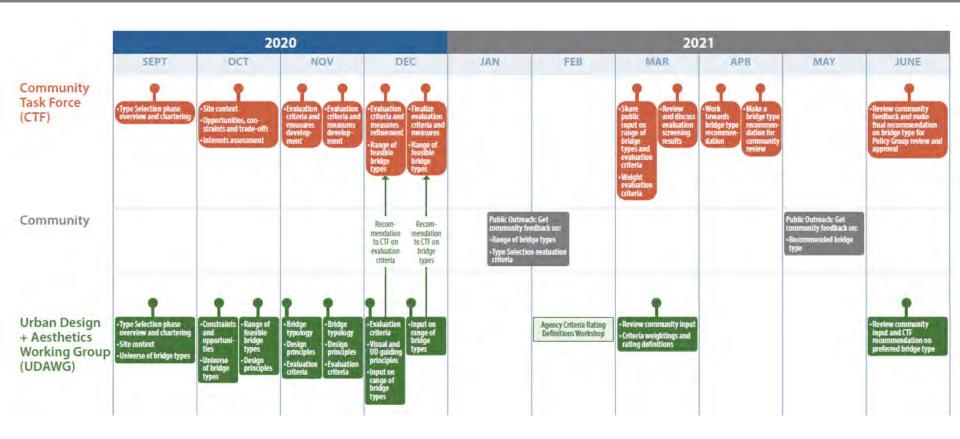




## **Next Steps**



### Community Task Force Workplan





## **Next Steps**



### **Upcoming CTF Meetings**

#### November 9:

- Criteria topics
- Bridge types

#### November 23:

- Evaluation criteria per topic
- Bridge types refinement

#### December 7:

- Measures per evaluation criteria
- Range of feasible bridge types

### December 21:

- Finalize criteria and measures
- Range of feasible bridge types





# **Closing Remarks**



Thank you!

