

## Portland's aging downtown bridges are not expected to withstand a major earthquake.

None of the Willamette River bridges in central Portland are expected to withstand a major earthquake. That's why Multnomah County is taking the lead on making at least one crossing earthquake ready. The Earthquake Ready Burnside Bridge will aid in disaster recovery efforts, reunite families and support regional economic recovery and resiliency. Experts site that every \$1 spent before a disaster equates to \$6 spent after<sup>1</sup>. It is important that we proactively plan for our future now by making this investment in our community to minimize the impacts of a major earthquake.

### PREFERRED ALTERNATIVE - REPLACEMENT LONG SPAN

In fall 2020, after a robust evaluation process and gathering input from the public, the Replacement Long Span was recommended as the Preferred Alternative for the Draft Environmental Impact Statement because it is the most seismically resilient with the lowest cost and fewest impacts to natural resources. Long Span bridges have fewer columns in the ground but more structure above the deck. This helps avoid construction risks associated with building in the dangerous soils surrounding the Burnside Bridge.



Image above is conceptual and does not reflect final design.

**Burnside is a regionally established emergency transportation route across the Willamette River**

Washington County

East Multnomah County

[www.BurnsideBridge.org](http://www.BurnsideBridge.org)

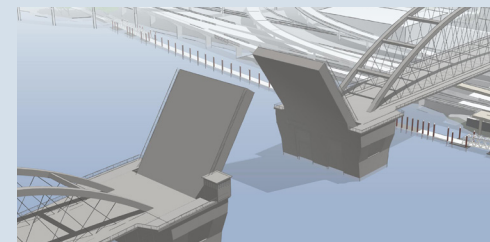
# An earthquake ready Burnside Bridge

## BRIDGE TYPE SELECTION

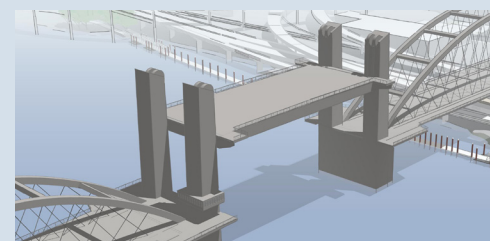
An important next step in the process is to select the type of long span bridge to build – a Tied Arch (like the Fremont Bridge), a Cable Supported (like the Tilikum) or a Truss (like the Hawthorne). This also includes the type of movable span – Bascule (like the Burnside Bridge) or Lift (like the Steel Bridge).

It's helpful to think of the bridge as three bridges in one, with the west, middle and east sections offering different characteristics and tradeoffs to consider in the evaluation process.

During this phase, we will evaluate a range of different long span and movable span configurations. At the end of this phase and with the public's help, we will select the bridge type for the approach spans and movable span to move forward for final design.



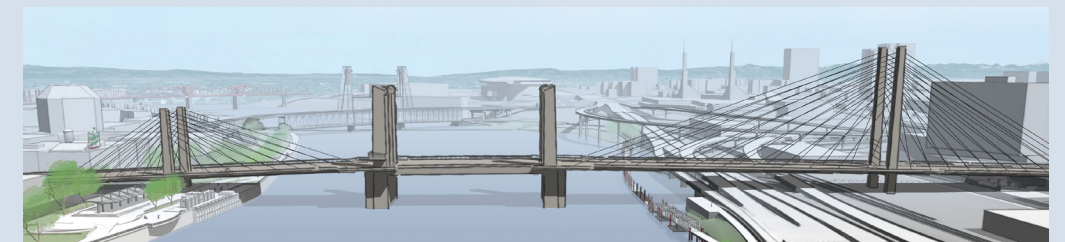
*Movable Span Option – Bascule*



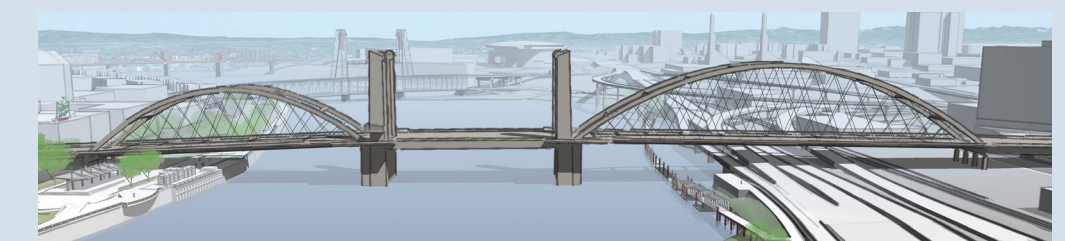
*Movable Span Option – Vertical Lift*

### DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS)

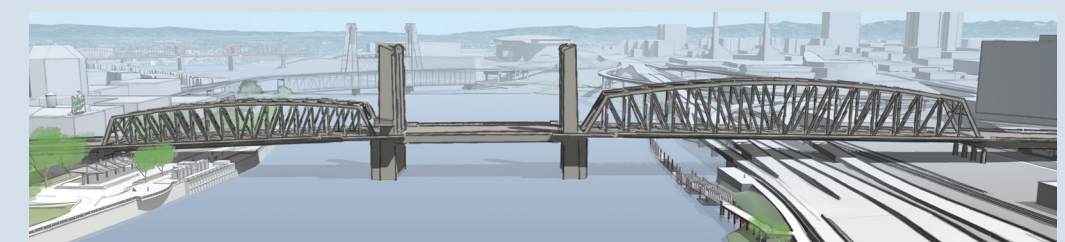
A DEIS has been prepared. To learn more and submit a comment during the 45-day comment period lasting through mid-March, visit [www.burnside-eis.participate.online/](http://www.burnside-eis.participate.online/)



*Replacement Long Span – Cable Supported Concept*



*Replacement Long Span – Tied Arch Concept*

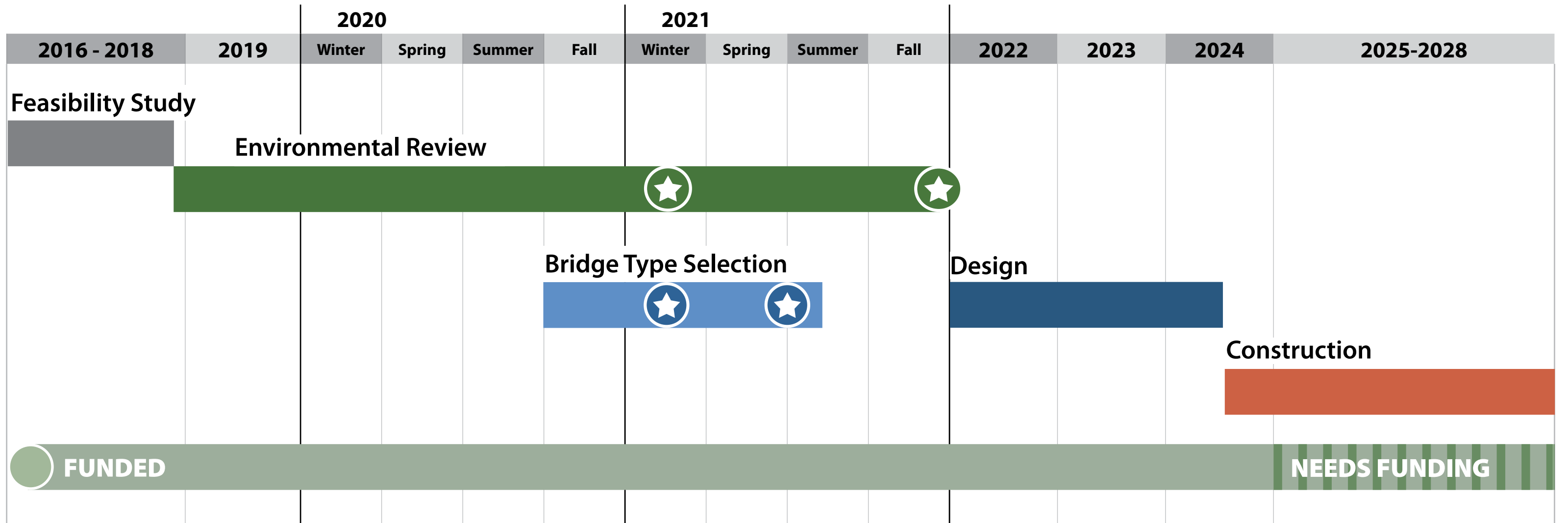


*Replacement Long Span – Truss Concept*

Oregon is located in the Cascadia Subduction Zone. Experts say there is a **1 in 3 chance** of a magnitude 8+ earthquake occurring within 50 years in our region<sup>1</sup>.

<sup>1</sup> Natural Hazard Mitigation Saves: 2017 Interim Report, National Institute of Building Sciences, 2017.

# Project Timeline



### Environmental Review Key milestones

The project is now in the Environmental Review phase which includes preparing an Environmental Impact Statement (EIS). The draft EIS will be published in early 2021 followed by a formal 45-day comment period.

- ★ Late January to Early February 2021  
Input on draft EIS
- ★ Fall 2021  
Final EIS and Record of Decision

To comment on the Draft EIS, please visit [www.Burnside-EIS.participate.online](http://www.Burnside-EIS.participate.online). You can also learn how to send your comment via voicemail, email, or snail mail by visiting the site.

### Bridge Type Selection Key milestones

The Bridge Type Selection phase is happening concurrently with the Environmental Review Phase and will include two rounds of public outreach and approval in 2021. The final bridge type will be decided July 2021.

- ★ January/February 2021 - Input on range of bridge options and evaluation criteria
- ★ May/June 2021 - Input on recommended bridge type

To provide input on Bridge Type Selection please visit [www.BurnsideBridge.org](http://www.BurnsideBridge.org)