



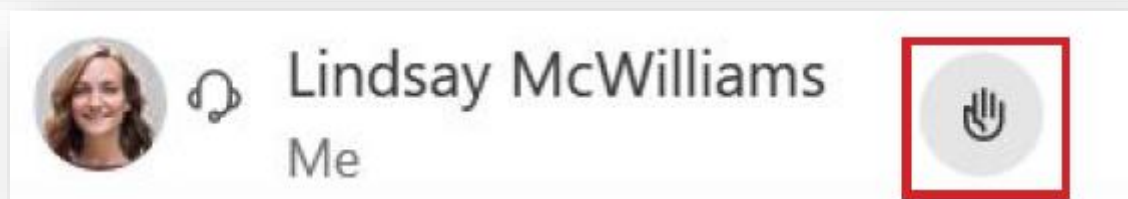
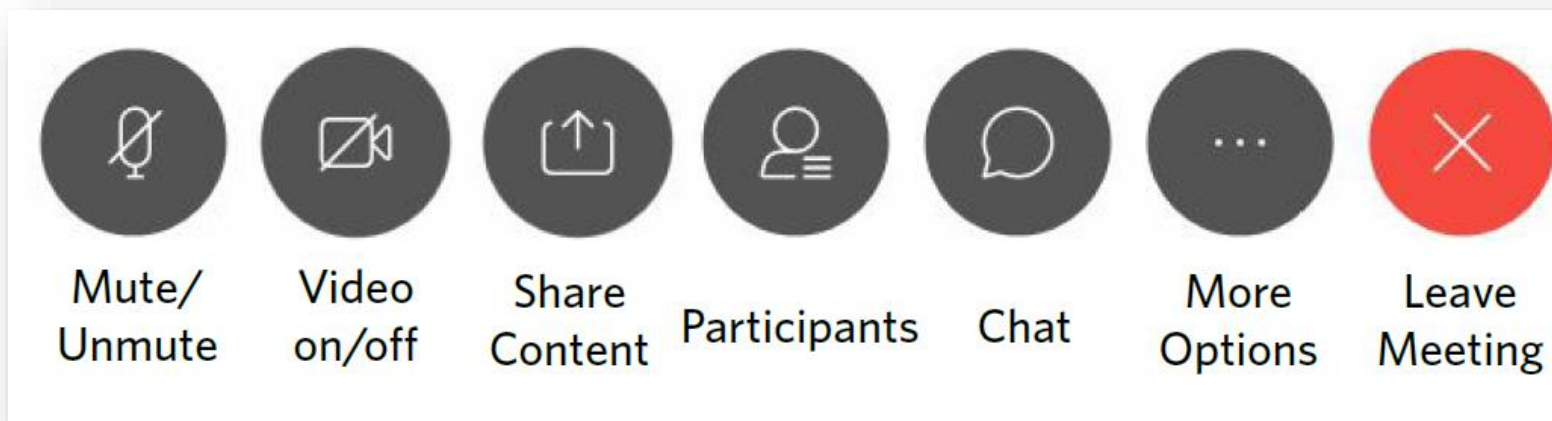
# Senior Agency Staff Group Meeting

Department of Community Services  
Transportation Division

June 22, 2020

# Meeting Protocols

## Using WebEx participation features



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

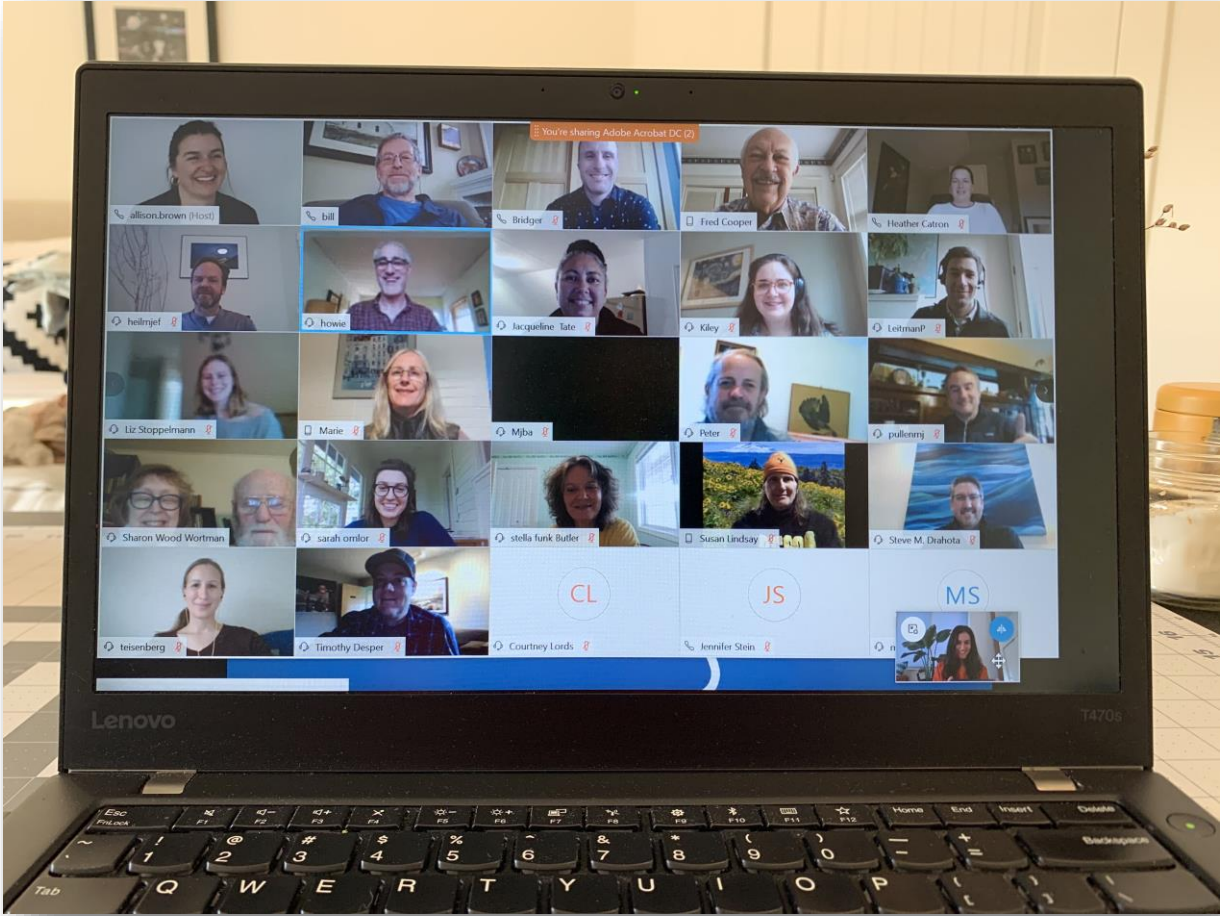


# Agenda

1. Welcome & Introductions
2. CTF Recommendation
3. Type Selection Phase and Process
4. Project Update
5. Summer Outreach
6. Upcoming Meetings and Next Steps



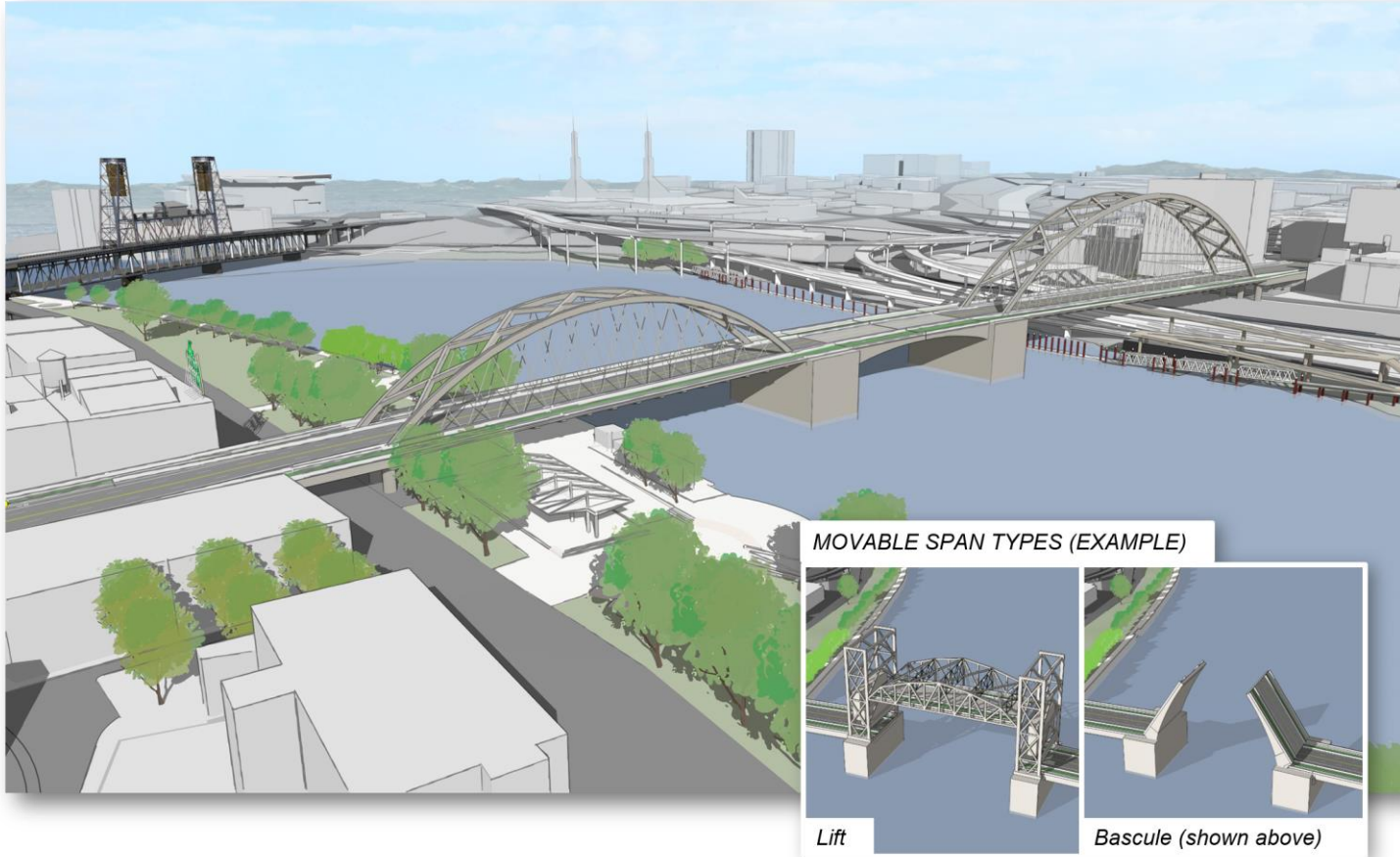
# CTF Recommendation



# CTF Recommendation

## Preferred Alternative

### Replacement: Long Span Alternative








*The example image above is just one variation of what a long span bridge could look like.*

# CTF Recommendation

## Preferred Alternative: Replacement – Long Span

### What we heard from CTF:

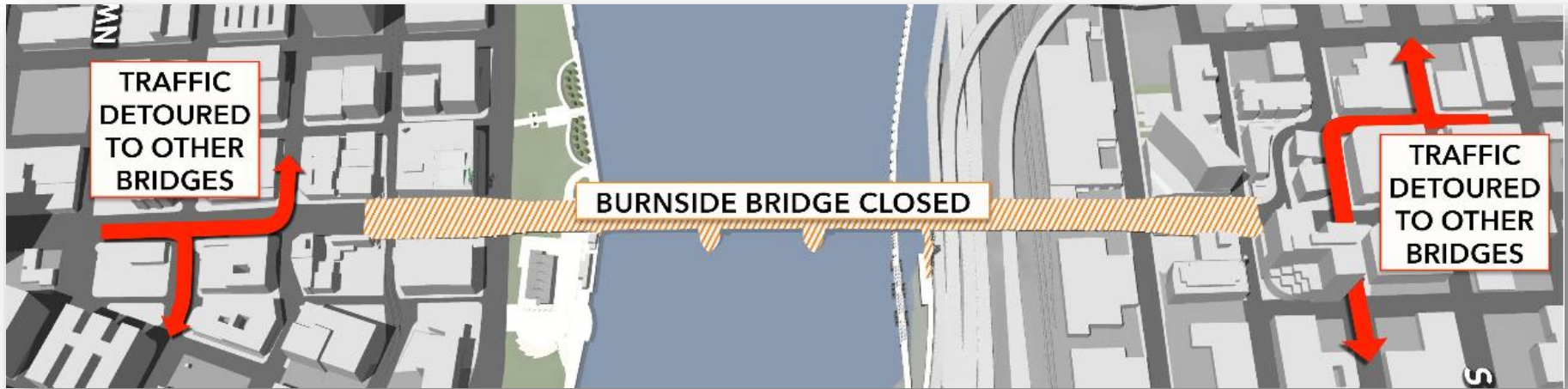
-  Best for seismic resiliency - locating fewer columns in liquefiable soils gives it the least risk from soil movement during an earthquake
-  It is the lowest cost of four build alternatives (\$825 million compared to as high as \$950 million for the most expensive option)
-  The reduced number of columns also benefits Waterfront Park users, crime prevention, and preservation of the Burnside Skatepark
-  Additional deck width over the river provides a safer facility for bicyclists, pedestrians and other users
-  Reduced impacts to natural resources due to fewer columns in the water





## Preferred Alternative

### Traffic During Construction: Full Bridge Closure



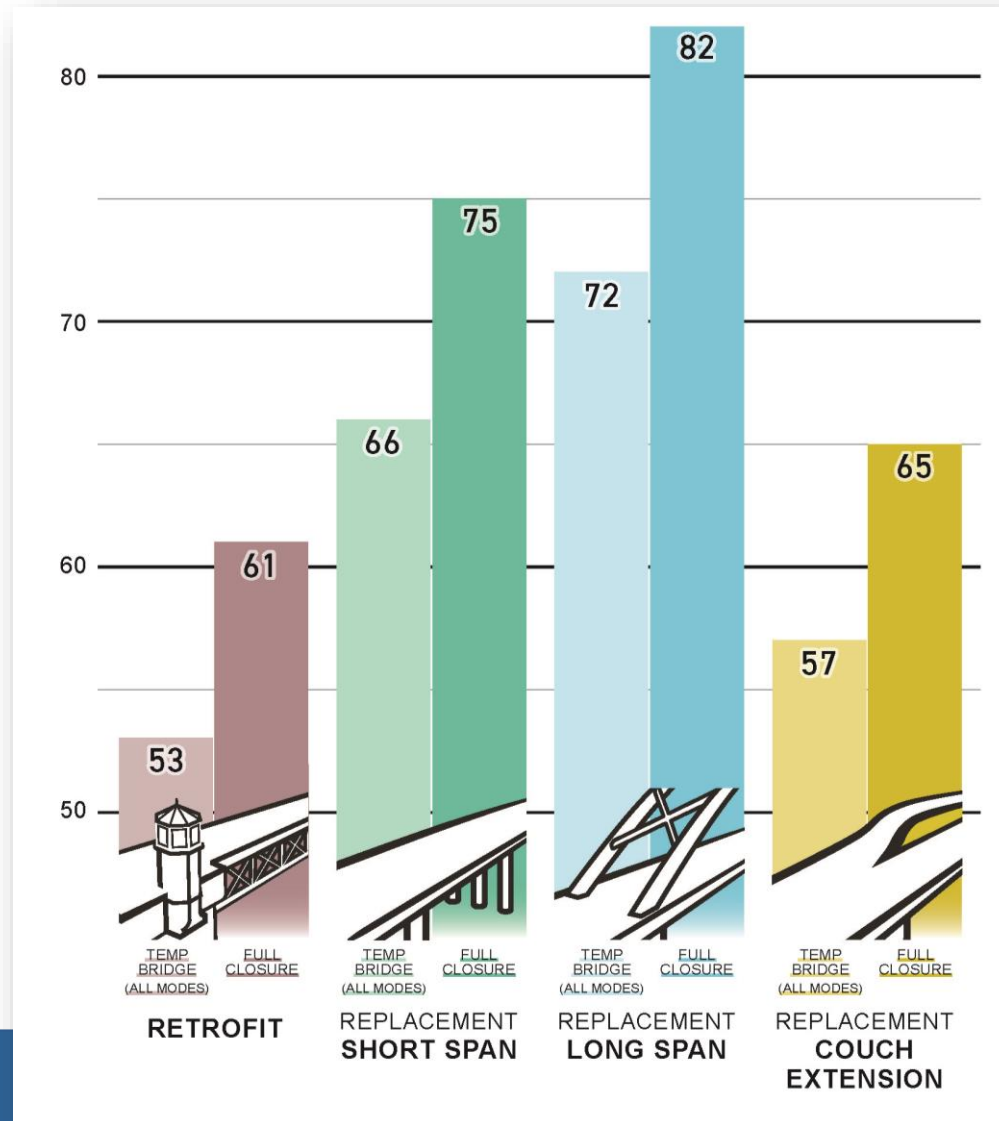
#### What we heard from CTF:

- **Least cost** - the temporary bridge would add \$90 million to the project cost
- **Shortest construction duration** (the temporary bridge would add 1.5 years to construction duration, extending duration of impacts to surrounding area including parks, residents, recreational activities and transportation)
- Least in-water construction which **reduces impact to natural resources**



# CTF Recommendation

## Evaluation Scoring Results





## Evaluation Scoring – Key Differentiators



Construction in **geotechnical hazard** zone (seismic, cost)



**Construction duration** (traffic, business, parks, social services, community)



**Open space** under bridge (safety, parks, community)



Construction **cost** (finance)



Bridge **width** (bike/ped, transit)



Construction in **water** (natural resources)



**Historic** resource effects (historic, community)



# CTF Recommendation

## Long Span Fact Sheet



Multnomah County is working to create an earthquake ready Willamette River crossing

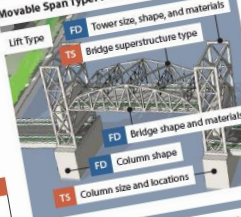
**What is a long span bridge?**  
A type of bridge that requires fewer support columns, allowing for longer spacing, or spans, between columns. A vertical support structure above the deck of the bridge is needed to accomplish the longer spans. A variety of vertical structures can be considered for this project, including tied arch, truss, and cable stayed options (see examples on back page).

**Why are we considering it?**  
The long span alternative allows for fewer columns in the Geotechnical Hazard Zones on each side of the river, reducing project risks and costs.

### Decisions Regarding Long Span Alternative

**Environmental Phase Decisions**  
Choosing a Preferred Alternative at this stage of the process means deciding on a class of bridge that consists of high level variables including:

- Alignment
- Width
- Number and approximate location of columns
- Approximate span lengths



### Future Phase Decisions

**Type Selection Phase Decisions (TS)**

- Bridge superstructure type
- Column sizes and locations
- Movable bridge type

**Specific to Cable Stayed option:**

- Tower location

**Final Design Phase Decisions (FD)**

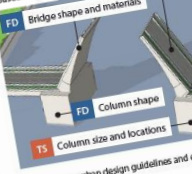
- Column shape
- Bridge lighting, railings, color and texture

**Specific to Tied Arch option:**

- Arch height
- Arch rib materials, size, curvature, and shape
- Cross-frame size and shape
- Cable size and pattern

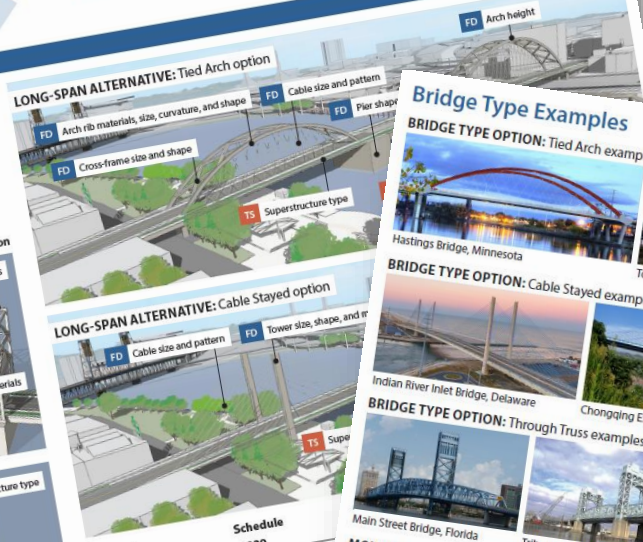
**Specific to Cable Stayed option:**

- Tower height, size, shape, and materials
- Cable size and pattern



Working with the community and agency professionals, we will develop urban design guidelines and evaluation criteria to help in refining aesthetic features during Type Selection and Final Design.

## Understanding the Long Span Alternative



**LEGEND:**

- TS Type Selection Phase
- FD Final Design Phase



### Bridge Type Examples

#### BRIDGE TYPE OPTION: Tied Arch examples



#### BRIDGE TYPE OPTION: Cable Stayed examples



#### BRIDGE TYPE OPTION: Through Truss examples



#### MOVABLE SPAN: Bascule examples



#### MOVABLE SPAN: Vertical Lift examples

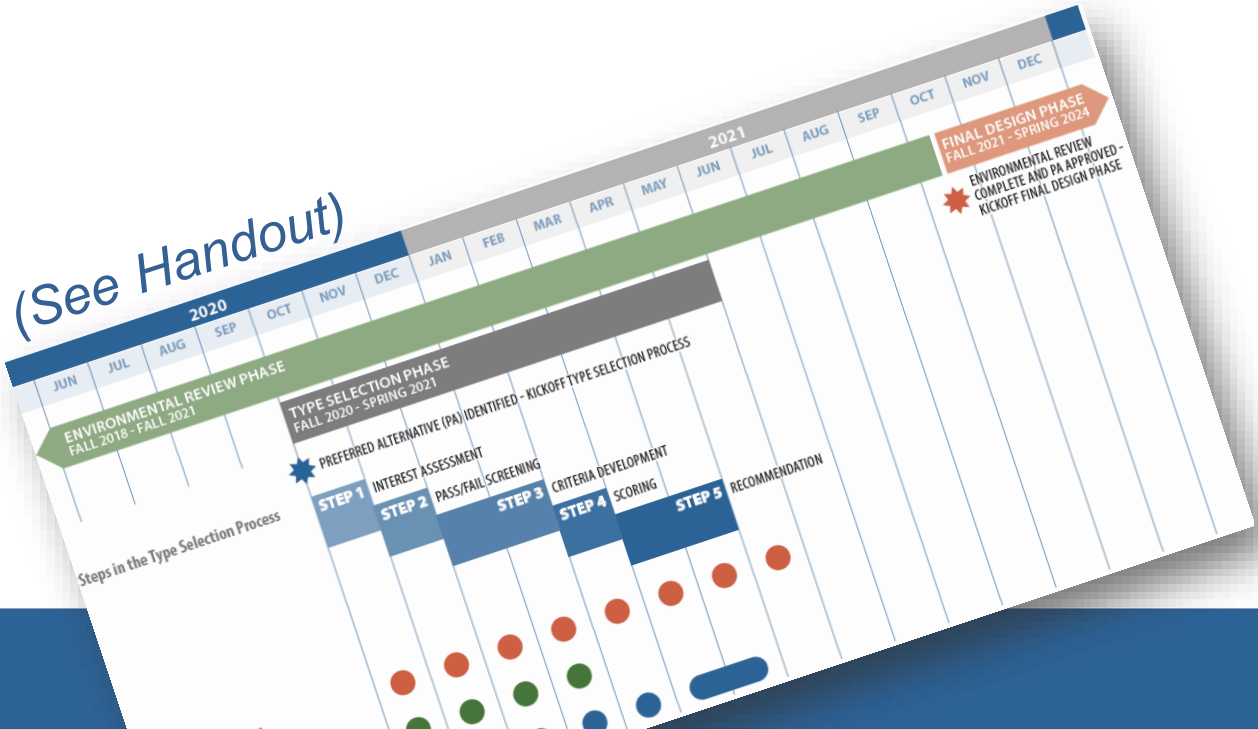
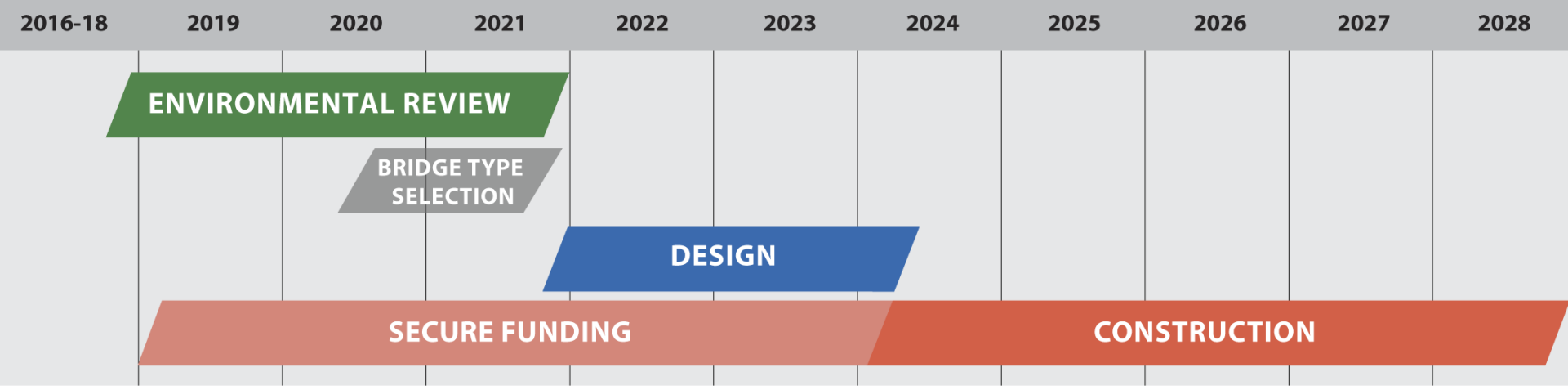


For information about this project in other languages, please call 503-209-4111 or email [burnsidebridge@multnomah.gov](mailto:burnsidebridge@multnomah.gov). Para obtener información sobre este proyecto en español, llámanos al 503-209-4111 o envíenos correo electrónico a [burnsidebridge@multnomah.gov](mailto:burnsidebridge@multnomah.gov). Для получения информации об этом проекте на русском языке обращайтесь к нам по телефону 503-209-4111 или по электронной почте [burnsidebridge@multnomah.gov](mailto:burnsidebridge@multnomah.gov).

BurnsideBridge.org  
@MultiCoBridges, #ReadyBurnside  
Multnomah County



# Type Selection Phase and Process



# Project Update

## Tech Reports: Submittal Dates

### Draft EIS Technical Reports:

- Batch 1 – Monday, July 6 (Comments due Monday, July 27)
- Batch 2 – Tuesday, July 14 (Comments due Tuesday, August 4)
- Batch 3 – Thursday, July 23 (Comments due Thursday, August 13)
- Batch 4 – Tuesday, July 28 (Comments due Tuesday, August 18)

### Design Reports:

- Tuesday July 28 (Comments due Tuesday August 18)



## Funding

- Metro Get Moving 2020
- Vehicle Registration Fee



## Notice of Intent

- Issued in April 2020
- 30 Comment Period

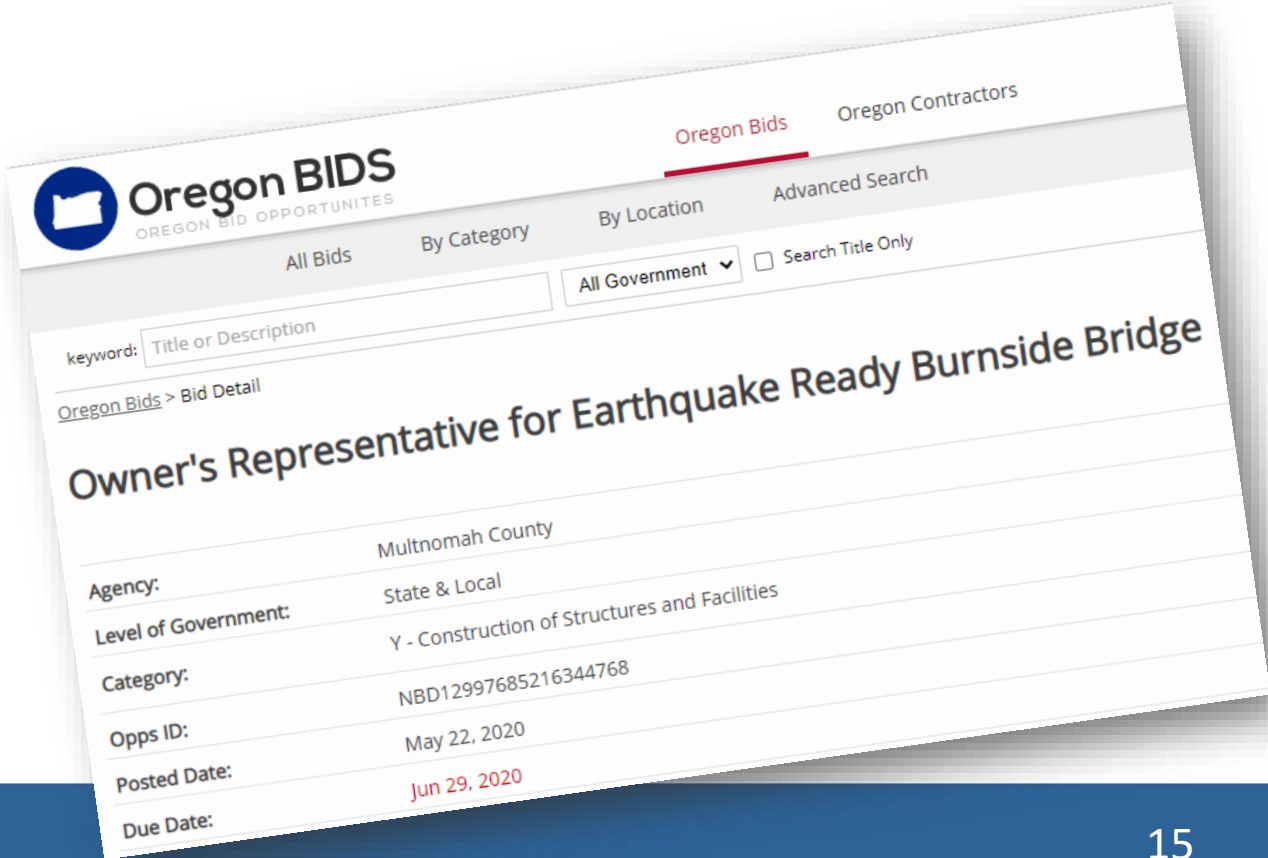




# Project Update

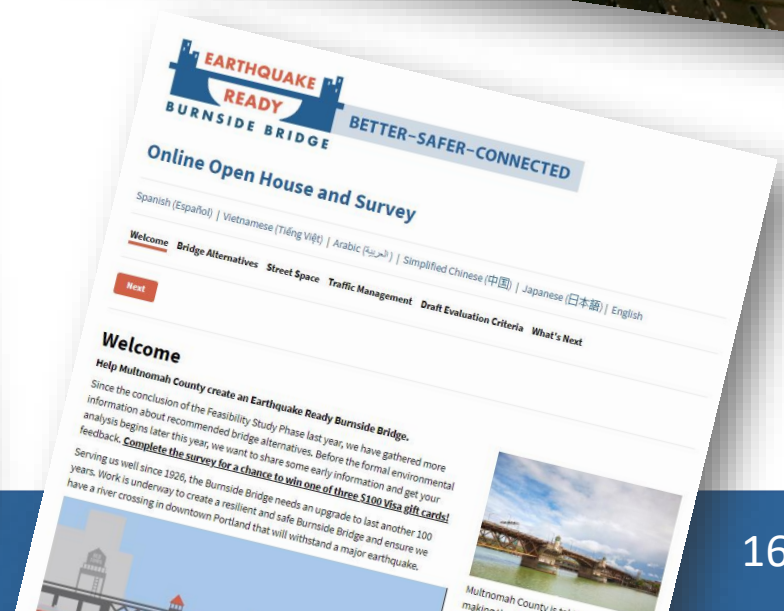
## Owner’s Rep Contract – RFP Released

- Posted May 22
- Due June 29



# Summer Outreach

- Online Open House
- Briefings
- Virtual Tours and Animations
- Diverse Outreach (CEL Program)



# Upcoming Meetings & Next Steps

- June 22: SASG
- July: MultCo Board of County Commissioners briefing
- August: Public Outreach on recommended PA
- September: CTF & SASG
- October 2: Policy Group PA Recommendation Approval
- October: CTF – Kickoff Type Selection Phase
- January: Draft Environmental Impact Statement Publication



# Closing Remarks and Adjourn

# Thank you!

