



Policy Group Meeting #7

*Members join meeting via
WebEx link in calendar invite*

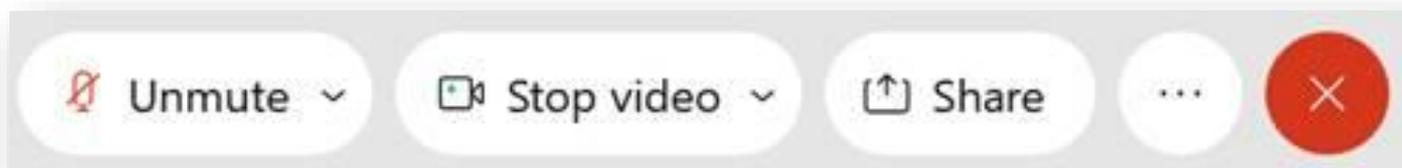
*NOTE: Meeting is live to the
public and recorded*

Department of Community Services
Transportation Division

October 2, 2020

Meeting Protocols

Using WebEx participation features



For WebEx tech support call or email Liz Stoppelman:

(916) 200-5123

Liz.Stoppelman@hdrinc.com



Welcome and Introductions

Agenda

1. Welcome and Introductions
2. Opening Remarks
3. Public Comment
4. Project Update
5. Community Task Force Recommendation Review and Policy Group Approval
6. Bridge Type Selection Phase Overview
7. Next Steps and Closing Remarks



Opening Remarks

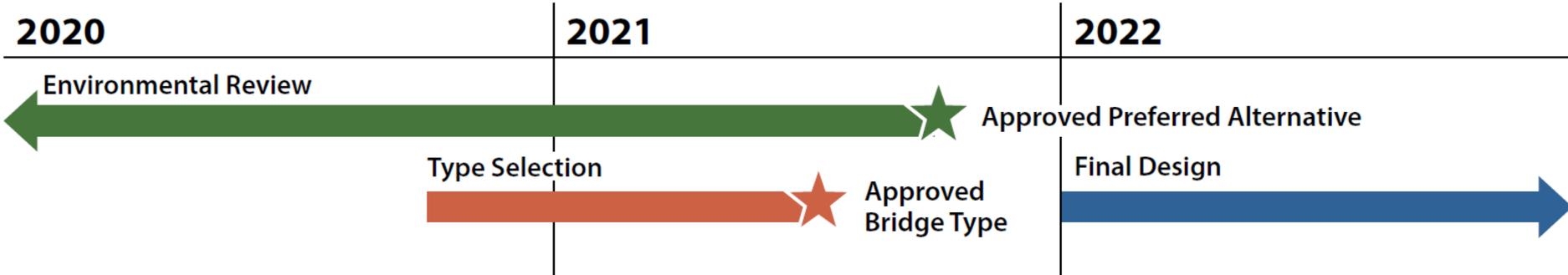


Public Comments



Project Update

Schedule



- **Funding**

- Metro Transportation Bond – Get Moving 2020
- Multnomah County Vehicle Registration Fee

- **Owner’s Representative Contractor**



When you last met...



Dismissing High Fixed Bridge Alternative



When you last met...

Range of Bridge Alternatives



**Enhanced
Seismic Retrofit**



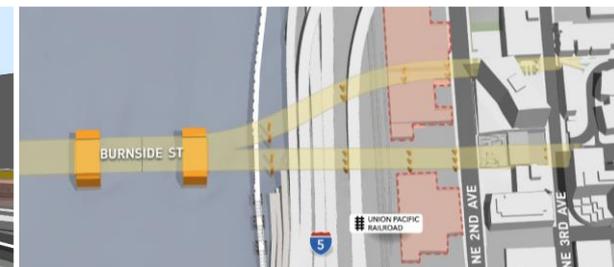
**Replacement
Short Span**
(Bascule or Lift)



**Replacement
Long Span**
(Bascule or Lift)



**Replacement
Couch Extension**
(Bascule or Lift)



(Concept Images)

When you last met...

Traffic Options During Construction





We are asking for Policy Group review and approval of the CTF's recommended Preferred Alternative, including:

- 1) A Preferred Bridge Alternative
- 2) A Preferred Traffic Option During Construction

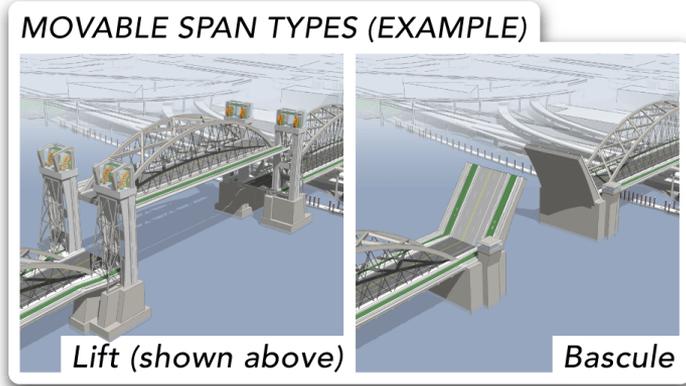
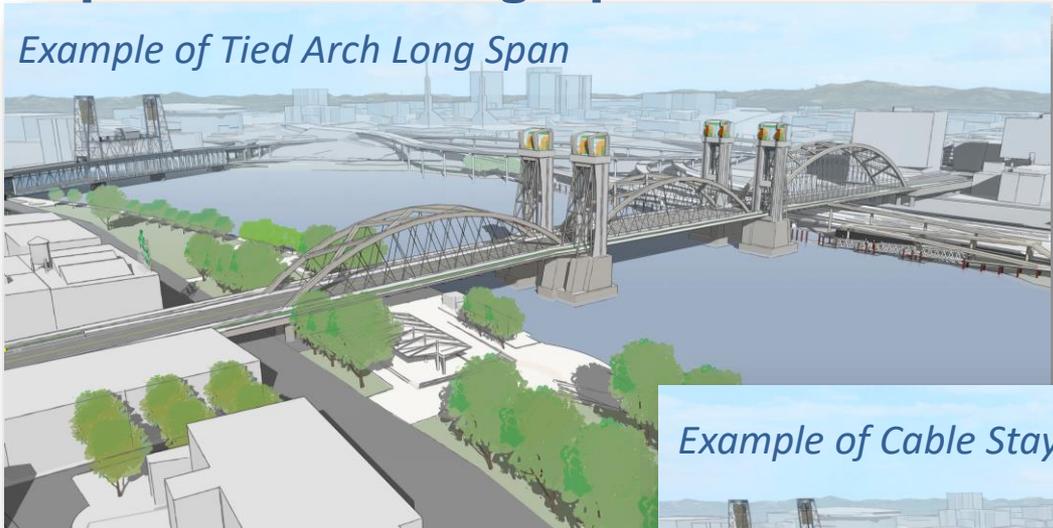
Review Recommendation On *A Preferred Bridge Alternative*



Community Task Force Recommendation

Preferred Bridge Alternative

Replacement Long Span



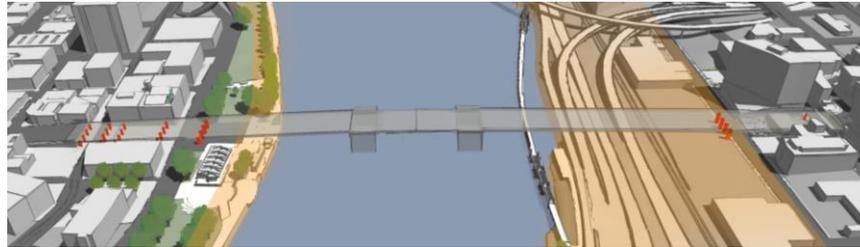
The example images above are just a couple variations of what a long span bridge could look like.



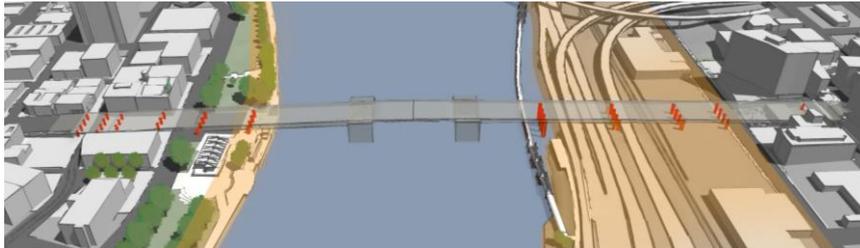
Best for Seismic Resiliency

Locating fewer columns in liquefiable soils gives it the least risk from soil movement during an earthquake

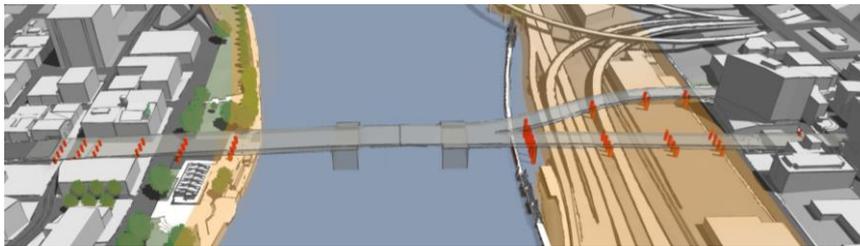
**Replacement
Long Span**



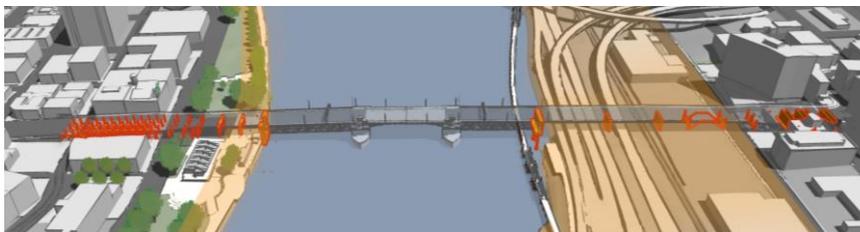
**Replacement
Short Span**



**Replacement
Couch Extension**



**Enhanced
Seismic Retrofit**





Enhances/Preserves Community



Reduced number of columns enhances use of Waterfront Park and preserves the Burnside Skatepark



Replacement Long Span (Waterfront Park)



Replacement Long Span (Burnside Skatepark)



Replacement Short Span and Couch Ext. (Waterfront Park)



Enhanced Seismic Retrofit (Waterfront Park)



(Concept Images)



Improved Safety

Additional deck width over the river provides a safer facility for bicyclists, pedestrians and other users



(Concept Image)



Impacts on Views

CTF Concern: Explore ways to mitigate the long span's impacts on views



View from south sidewalk (Arch Concept)



View from south sidewalk (Cable Stayed Concept)



View from north sidewalk near midspan (Arch Concept)



View from north sidewalk near midspan (Cable Stayed Concept)



CTF Recommendation

Preferred Alternative: Replacement – Long Span

What we heard from the CTF:



Best for seismic resiliency



Least cost alternative (\$825 million compared to \$950 million)



Enhances/preserves community resources



Improved safety for bicyclists, pedestrians and other users



Least impacts to natural resources



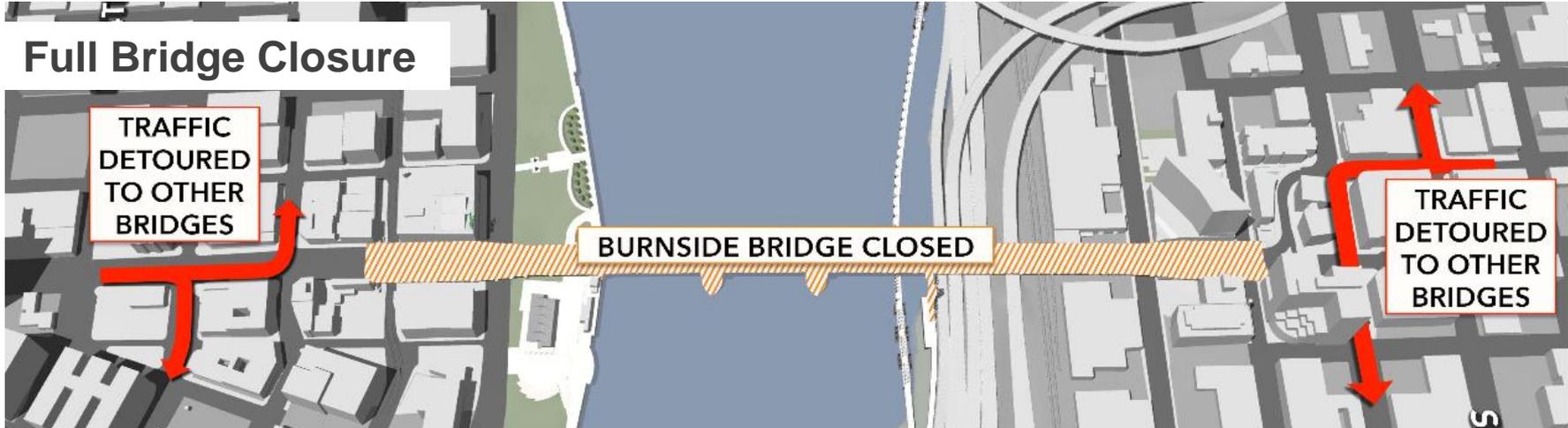
Explore ways to mitigate the long span's impacts on views



Review Recommendation On *Traffic Option During Construction*



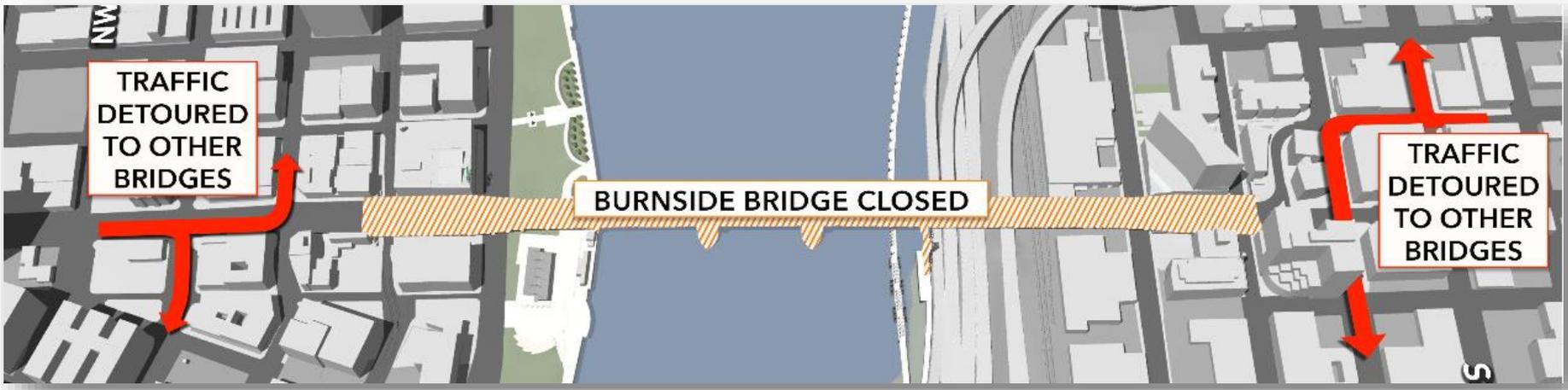
Traffic Options During Construction



Community Task Force Recommendation

Preferred Alternative

Traffic During Construction: Full Bridge Closure



What we heard:

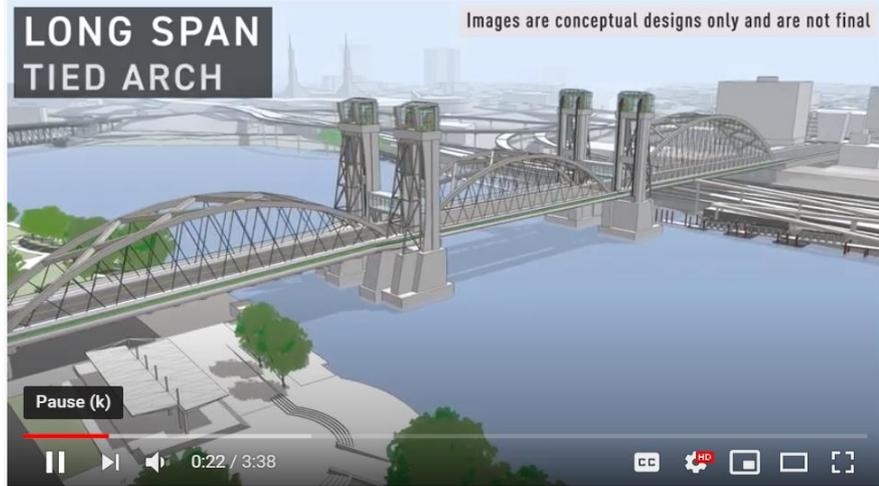
- **Least cost** – the temporary bridge would add \$90 million to the project cost
- **Shortest construction duration** – the temporary bridge would add 1.5 to 2 years to construction duration, extending duration of impacts to surrounding area including parks, residents, recreational activities and transportation
- Least in-water construction which **reduces impact to natural resources**



Summer/Fall Outreach

Key Activities

- Online open house
- Briefings
- Videos
- Social Media and Notifications
- Community Engagement Liaisons Program



Summer/Fall Outreach

By the Numbers

70+

BRIEFINGS to agencies, individuals, and organizations

19

DEI organizations reached

25,000+

UNIQUE VISITORS to the online open house and survey

6,800+

SURVEY RESPONSES

6

In-language **TRANSLATIONS** of the online open house and materials

38

Social media **POSTS** and **ADVERTISEMENTS**

2,578

E-newsletter **RECIPIENTS**

4

NEWS RELEASES AND E-NEWSLETTERS

147

BUSINESSES CONTACTED via phone canvassing

41,900

FLYERS MAILED

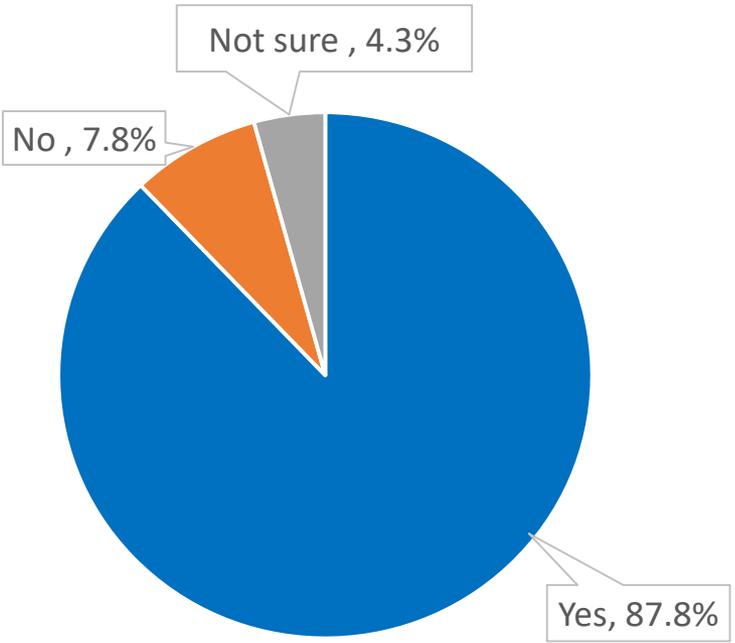


Summer/Fall Outreach

What we heard

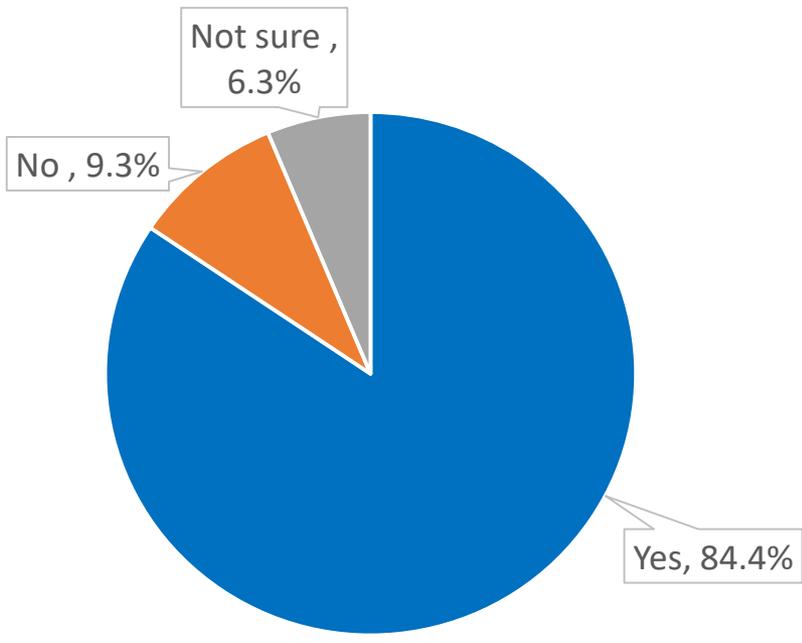
Is the Replacement Long Span the right choice?

87.8% agree with the Replacement Long Span



Is a full bridge closure during construction the right choice?

84.4% agree with a full bridge closure



What we heard

Replacement Long Span

Top comment themes:

- Cost savings
- Fewest overall impacts
- Safest and most seismically resilient
- Preservation of Skatepark
- Concerns with the aesthetics of the conceptual renderings
- Concerns with losing historic resources

Full bridge closure

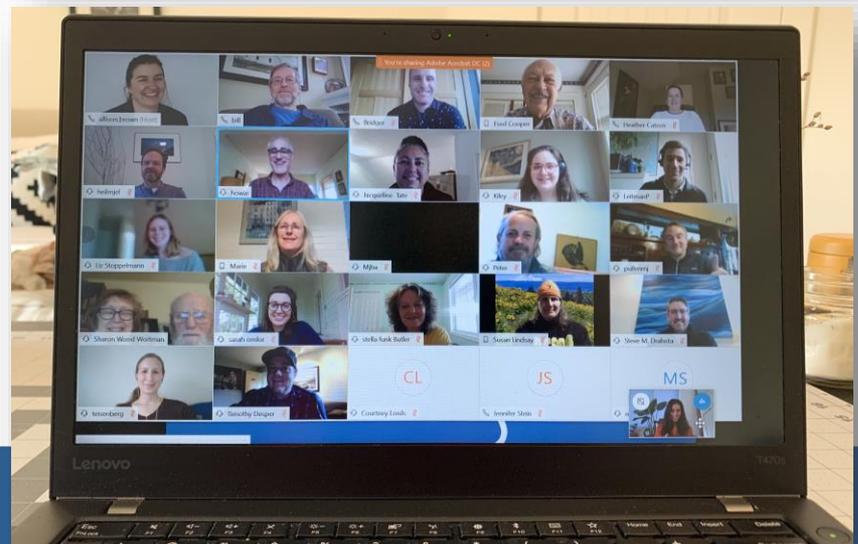
Top comment themes:

- Cost savings
- Construction time savings
- Preservation of Skatepark
- Fewer environmental impacts
- Concerns with traffic impacts, especially for motor vehicles
- Concerns with overburdening neighboring bridges



Community Task Force Update

Community Task Force





DISCUSSION

Preferred Alternative



Do you approve the Community Task Force's recommendation on a Preferred Alternative:

- **Replacement Long Span Bridge**
- **Full Bridge Closure**

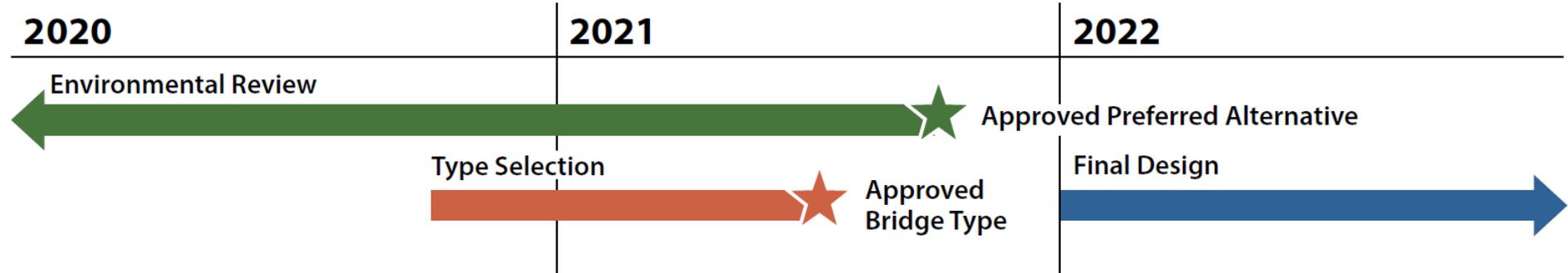


BREAK

Bridge Type Selection Phase

Overview

Schedule



- Type Selection Phase Decisions (TS)**
- Provide preliminary design information for federal permitting (by June, 2021)
 - Select bridge “form” (i.e., fixed and movable bridge types)
 - Develop preliminary Visual Design Guidelines

- Final Design Phase Decisions (FD)**
- Perform detailed bridge design
 - Implement the Visual Design Guidelines



Bridge Type Selection Phase

Overview

Bridge Type Examples

BRIDGE TYPE OPTION: Tied Arch examples



Hastings Bridge, Minnesota



Torikai Ohas Bridge, Japan



Siuslaw River Bridge, Oregon



Tacony-Palmyra Bridge, Pennsylvania



Gateway Bridge, Michigan

BRIDGE TYPE OPTION: Cable Stayed examples



Indian River Inlet Bridge, Delaware



Chongqing Expressway Bridge, Oregon



Copper River Bridge, South Carolina



Tilikum Crossing Bridge, Oregon

BRIDGE TYPE OPTION: Through Truss examples



Main Street Bridge, Florida



Triborough (Harlem River) Bridge, New York



Tower Bridge, CA



Broadway Bridge, Oregon



Hawthorne Bridge, Oregon

MOVABLE SPAN: Bascule examples



South Park Bridge, Washington



Harbor Bridge, Spain



New Johnson St. Bridge, Canada



Woodrow Wilson Bridge, Maryland

MOVABLE SPAN: Vertical Lift examples



Tereganu Bridge, Malaysia



Fore River Bridge, Massachusetts



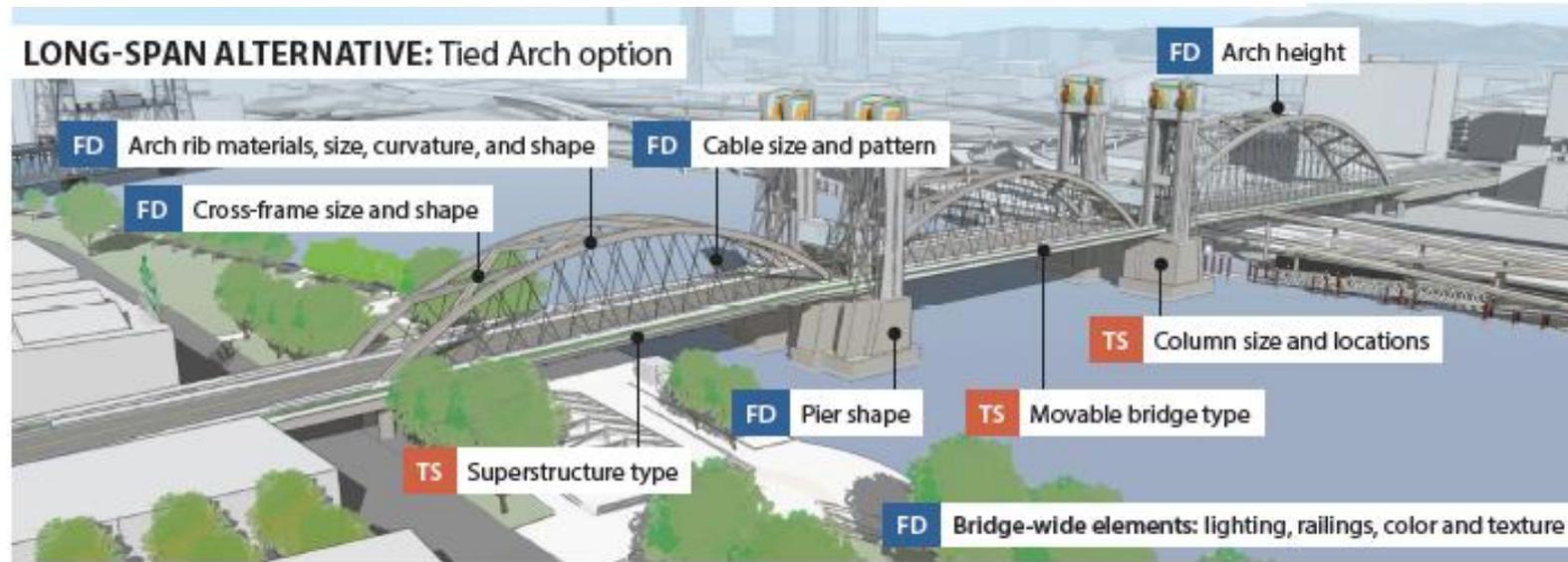
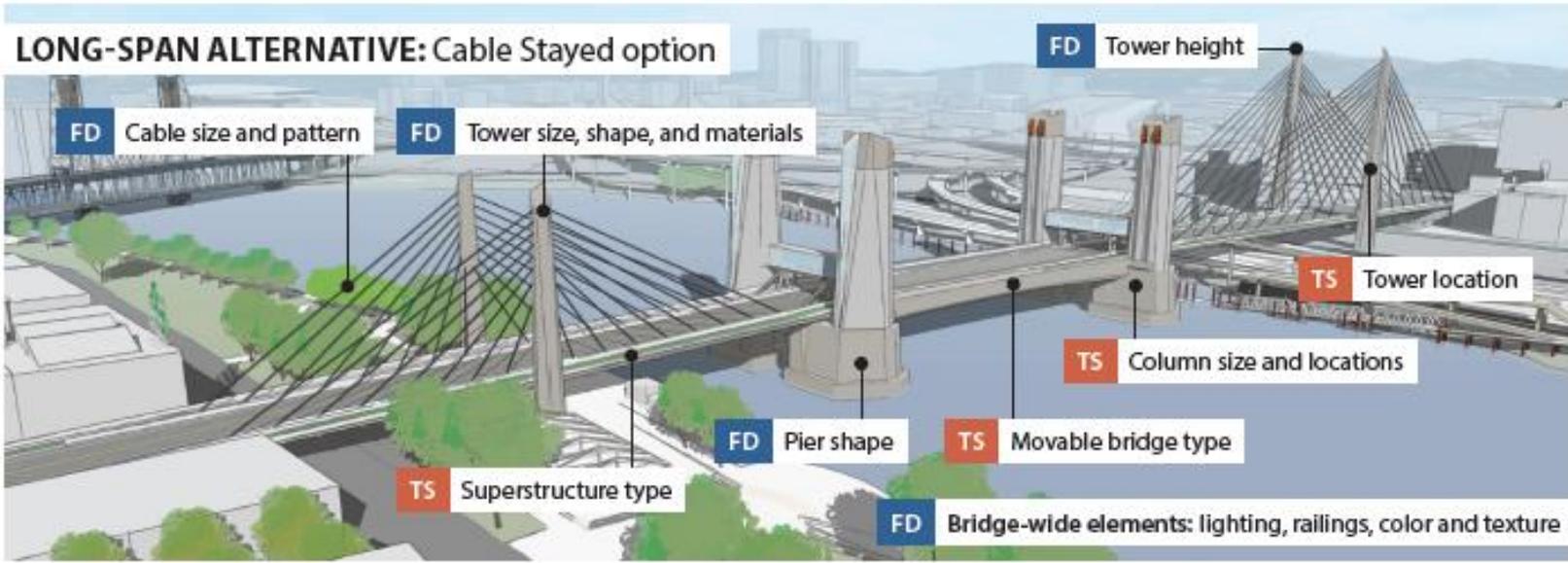
Pont Jacques Chaban, Delmas



Manchester Millenium Bridge, England

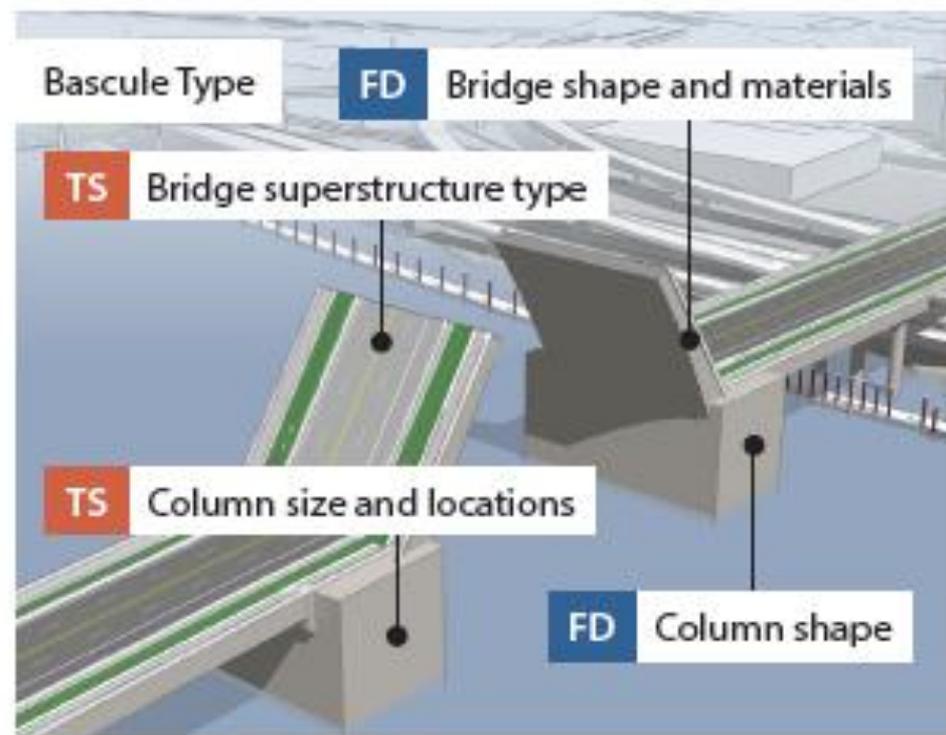
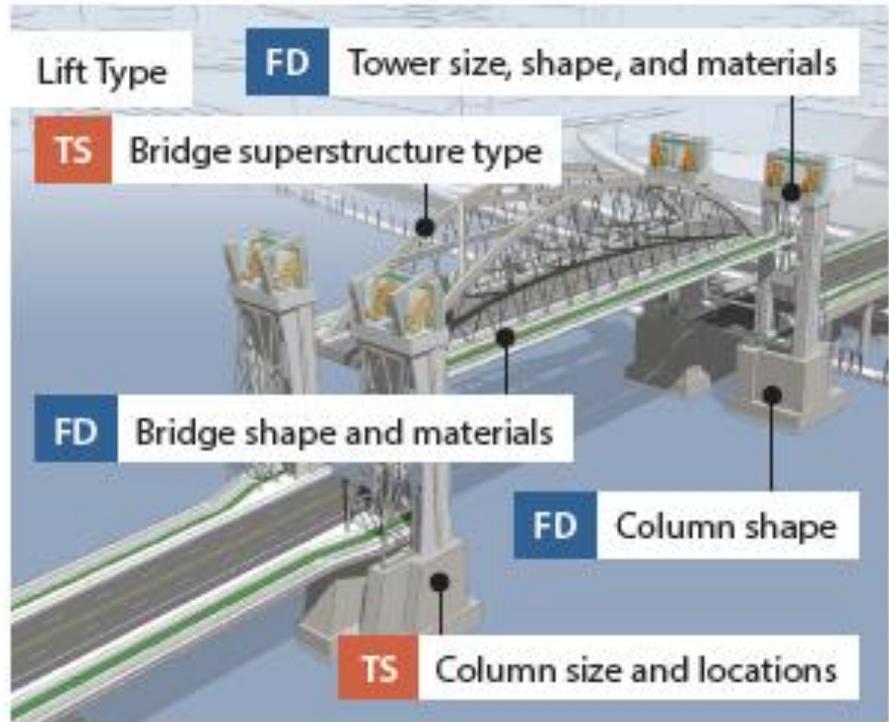
Bridge Type Selection Phase

Overview



Bridge Type Selection Phase

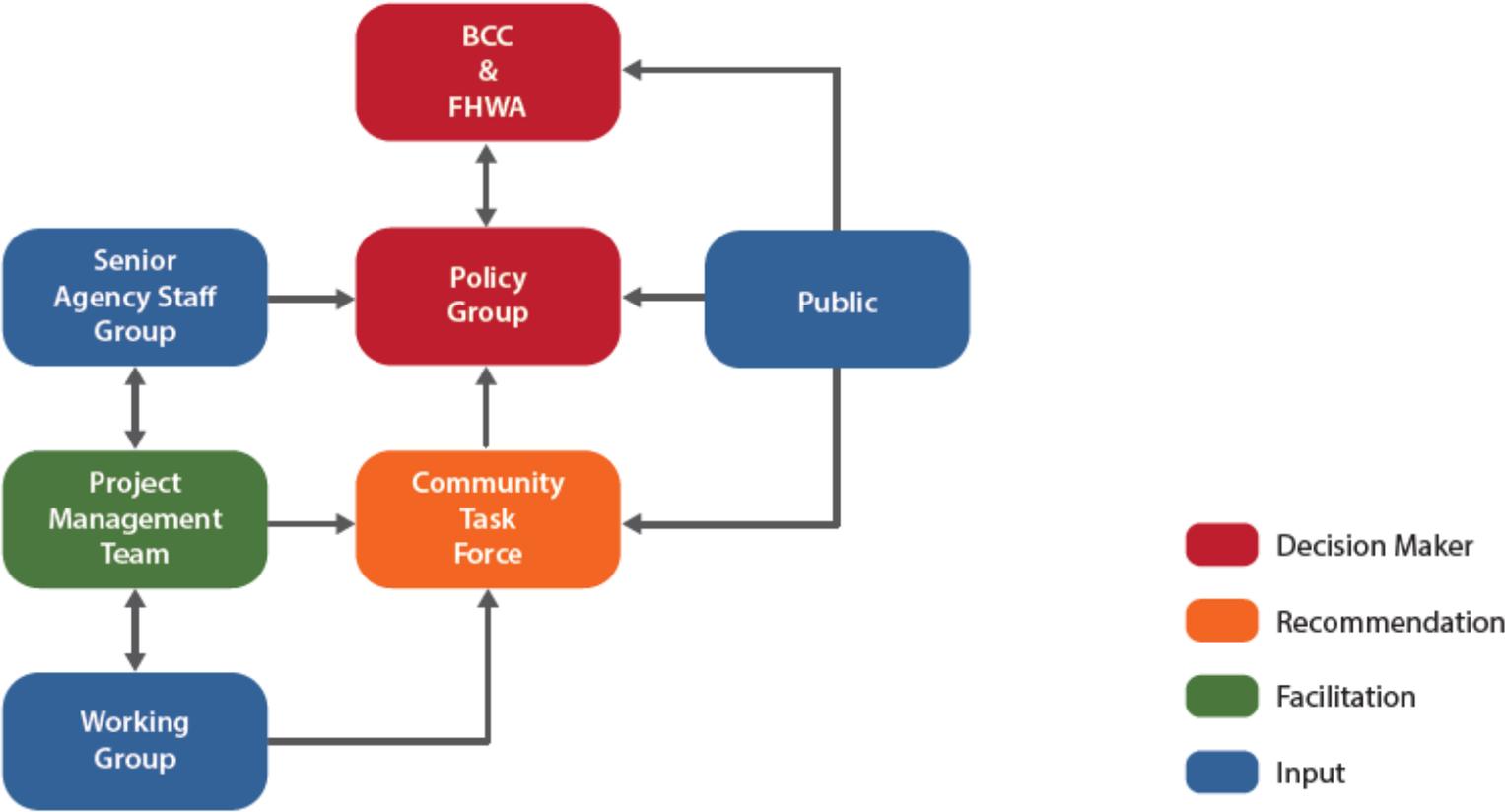
Overview



Bridge Type Selection Phase

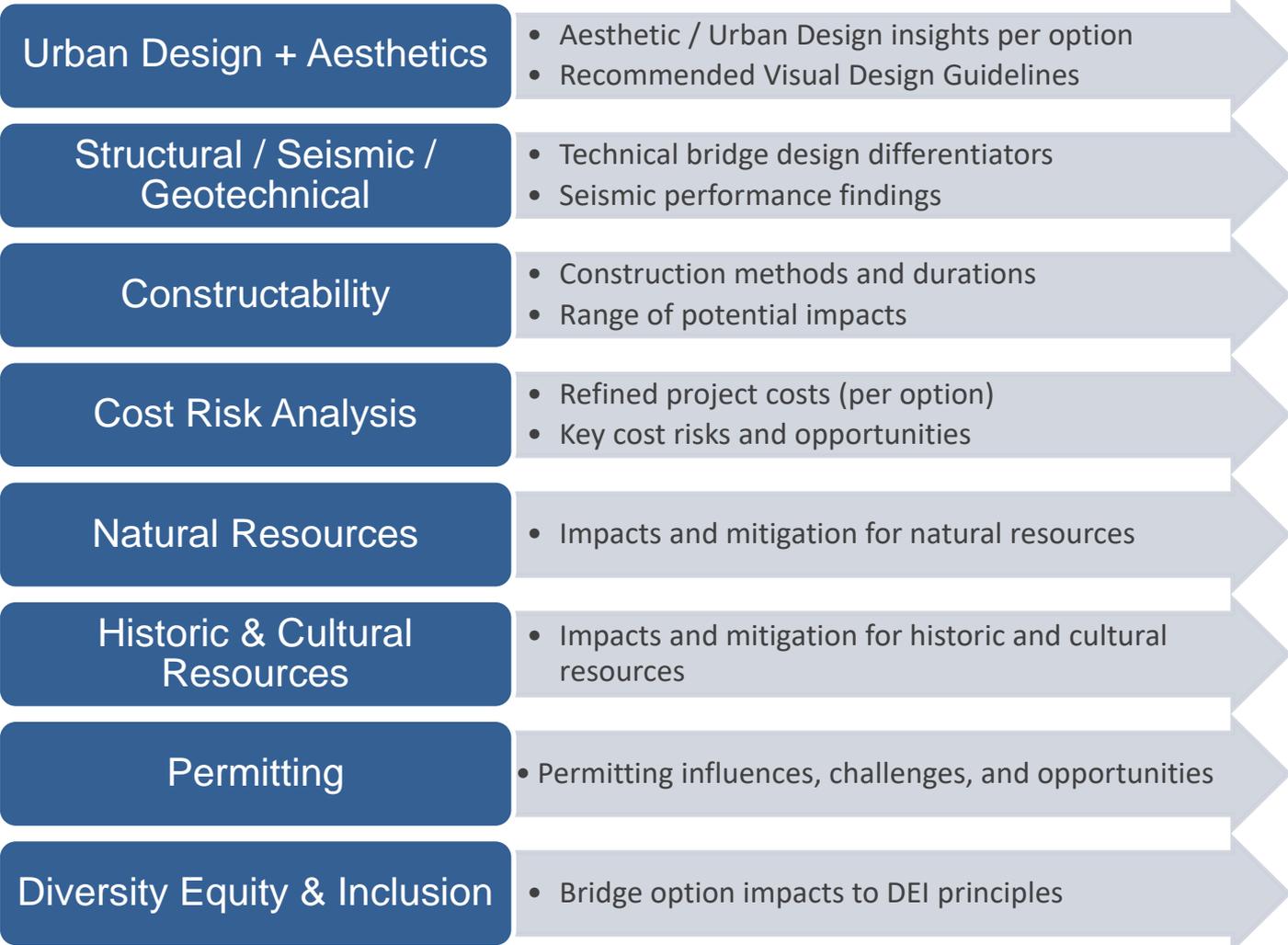
Process

Decision Making Structure



Bridge Type Selection Phase

Working Groups to support the CTF



Information to CTF:

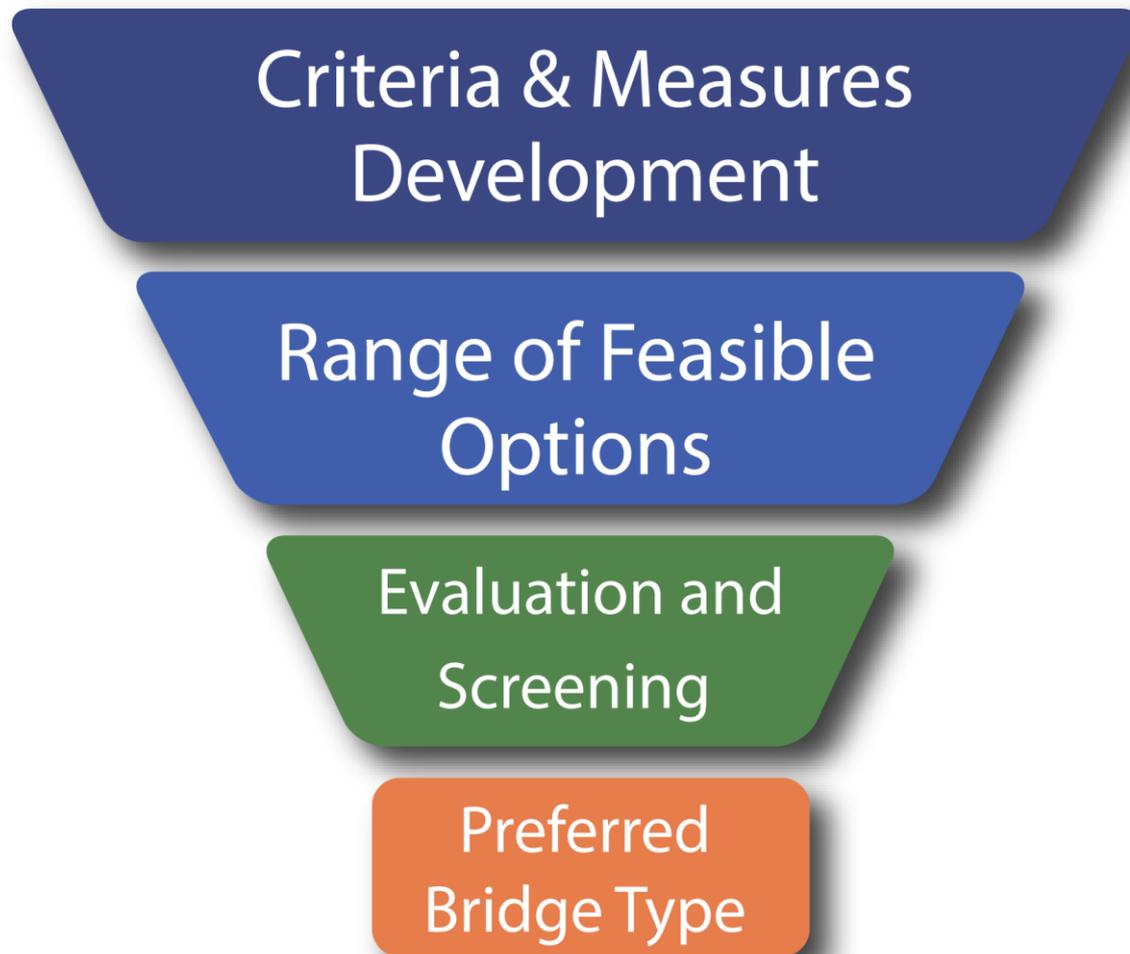
- Type Selection Evaluation Criteria and Measures
- Technical Data to support the evaluation process



**CTF members invited to attend working group meetings as desired*

Bridge Type Selection Phase

Process



Bridge Type Selection Phase

Detailed Workplan

	2020				2021							
	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE		
Community Task Force (CTF)	<ul style="list-style-type: none"> Type Selection phase overview and chartering 	<ul style="list-style-type: none"> Site context Opportunities, constraints and trade-offs Interests assessment 	<ul style="list-style-type: none"> Evaluation criteria and measures development 	<ul style="list-style-type: none"> Evaluation criteria and measures development 	<ul style="list-style-type: none"> Evaluation criteria and measures refinement Range of feasible bridge types 	<ul style="list-style-type: none"> Finalize evaluation criteria and measures Range of feasible bridge types 		<ul style="list-style-type: none"> Share public input on range of bridge types and evaluation criteria Weight evaluation criteria 	<ul style="list-style-type: none"> Review and discuss evaluation screening results 	<ul style="list-style-type: none"> Work towards bridge type recommendation 	<ul style="list-style-type: none"> Make a bridge type recommendation for community review 	<ul style="list-style-type: none"> Review community feedback and make final recommendation on bridge type for Policy Group review and approval
Community					<ul style="list-style-type: none"> Public Outreach: Get community feedback on: <ul style="list-style-type: none"> Range of bridge types Type Selection evaluation criteria 				<ul style="list-style-type: none"> Public Outreach: Get community feedback on: <ul style="list-style-type: none"> Recommended bridge type 			
Senior Agency Staff Group (SASG)/Agency Workshops	<ul style="list-style-type: none"> Type Selection phase overview and chartering 		<ul style="list-style-type: none"> Agency Criteria and Measures Workshop 	<ul style="list-style-type: none"> Review range of bridge type options Review draft evaluation criteria and measures 		<ul style="list-style-type: none"> Agency Criteria Rating Definitions Workshop 		<ul style="list-style-type: none"> Review recommended bridge type 			<ul style="list-style-type: none"> Review community feedback on recommended bridge type and CTF's final recommendation 	
City Technical Advisory Committee (TAC)			<ul style="list-style-type: none"> Project update TS overview City mitigation meetings outcomes 		<ul style="list-style-type: none"> Review criteria/ measures and feasible range of bridge types 			<ul style="list-style-type: none"> Recommend bridge type Comments on DEIS 			<ul style="list-style-type: none"> Final recommendation FEIS update 	
Policy Group (PG)		<ul style="list-style-type: none"> Type Selection phase overview and chartering 				<ul style="list-style-type: none"> Review and approve range of bridge type options and evaluation criteria 					<ul style="list-style-type: none"> Review and approve recommended bridge type 	



Bridge Type Selection Phase

CTF Charter Update



Multnomah County is
creating an earthquake ready
downtown river crossing.

September 2020

Policy Group Charter and Group Protocols

PREAMBLE

Multnomah County is conducting a project to provide our community with a reliable Willamette River crossing on the Burnside regional lifeline route after a major earthquake. The Policy Group will serve as a decision making body to Multnomah County (the County) during the environmental review phase and bridge type selection phase, representing a spectrum of agencies and elected officials with interests related and relevant to this study.

In the environmental review process is part of the County's requirements under the *National Environmental Policy Act (NEPA)*. This major project planning phase will consider the bridge alternatives and assess their benefits and impacts. During environmental review, preliminary designs of the alternatives are prepared and a range of issues are studied, including the:

- Social, cultural, built and natural environment
- Cost and ease of construction
- Ability to survive and recover after an earthquake
- Other factors as required

In this phase an Environmental Impact Statement (EIS) will be prepared and on completion, a single solution will be chosen for an Earthquake Ready Burnside Bridge.

The selection of a recommended Preferred Alternative, the bridge type selection phase will identify approve a bridge type to move forward into the final design phase.

(EIS) will guide the operation of the Earthquake Ready Burnside Bridge. The EIS will be endorsed at the inaugural meeting of the Policy Group. The bridge type selection



Next Steps

Upcoming Meetings and Outreach

- **October 26:** Community Task Force Meeting
- **January/February 2021:** Draft Environmental Impact Statement Publication
- **January/February 2021:** Bridge Type Selection Outreach – Range of Bridge Options and Criteria Topics
- **February 2021:** Policy Group Meeting – Approve Criteria and Range of Bridge Types
- **June 2021:** Policy Group Meeting – Approve Bridge Type



Closing Remarks and Adjourn

Thank you!

