



Community Task Force Meeting #24

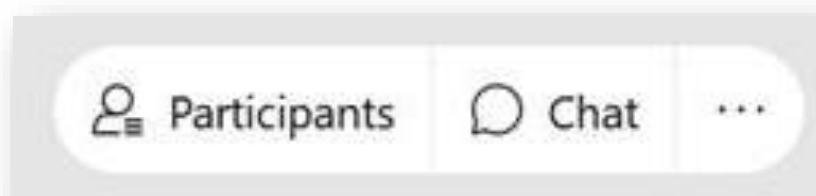
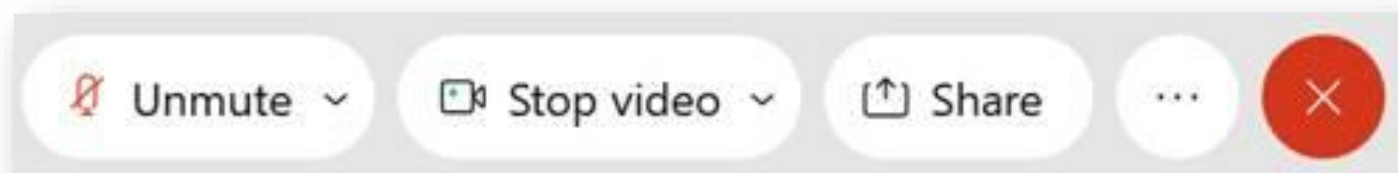
*Members join meeting via
WebEx link in calendar invite*

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

Department of Community Services
Transportation Division
March 1, 2021

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 & Housekeeping
2. Public Comment
3. Project Update
4. Review Community Input on Bridge Types
5. Finalize Evaluation Criteria
6. Open Discussion
7. 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
- **William Burgel**, Portland Freight Advisory Committee





Project Update

Draft Environmental Impact Statement

Public Comment Period Open: February 5 – March 22

Objective: Share findings of the environmental analysis and allow for public review and comment on the DEIS. 45-day comment period.

Key Activities:

- Online open house
- Briefings
- In-person hearing by appointment on March 3rd
- Voicemail, emails, comment form, snail mail
- E-newsletters, news releases and social media





Project Update

Project Update

Working Groups

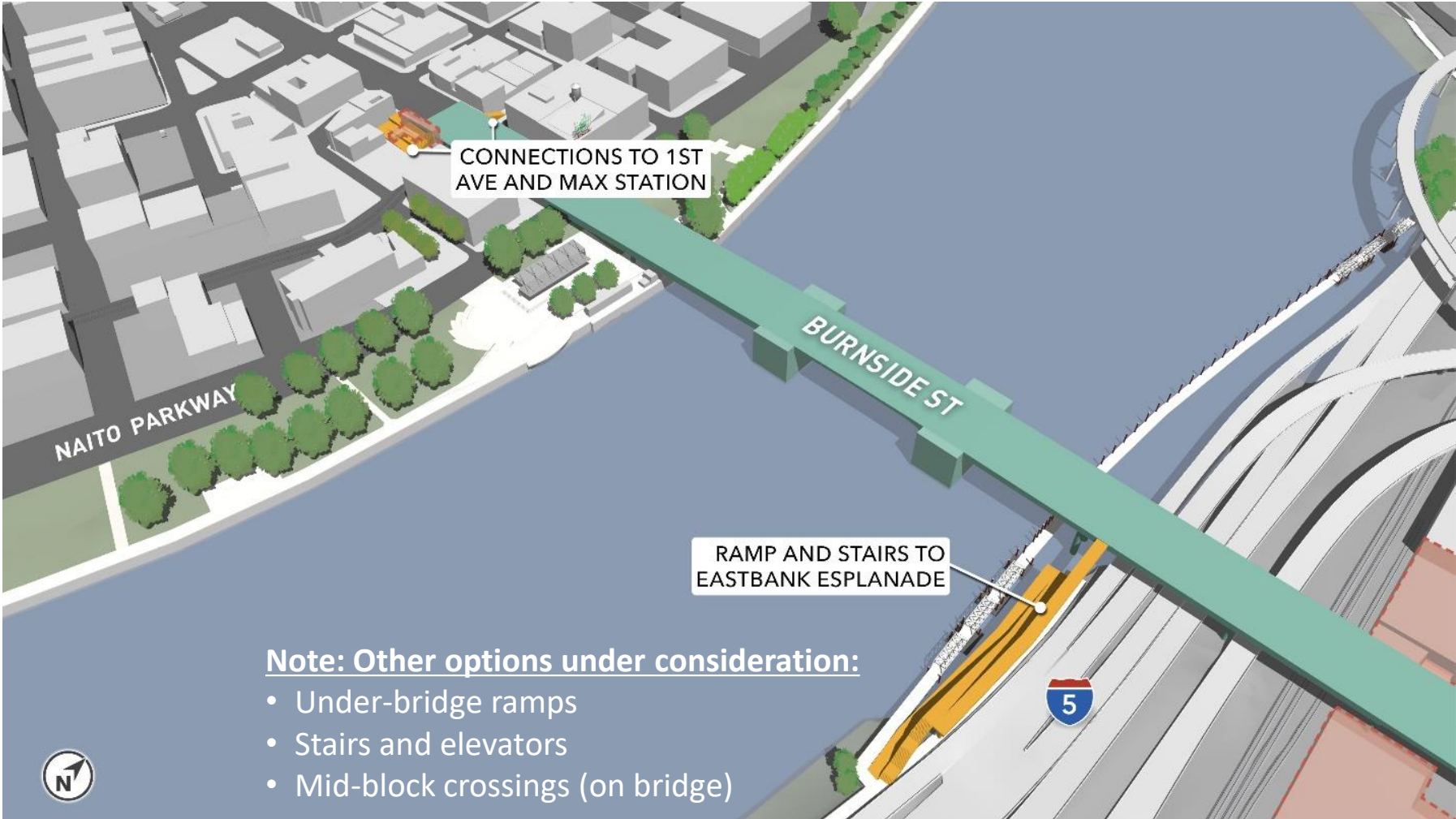
Urban Design & Aesthetics	<ul style="list-style-type: none"> • Aesthetic / Urban Design insights per bridge type • Recommendation on type selection evaluation criteria 	Mar 2021
Bridge & Seismic	<ul style="list-style-type: none"> • Technical bridge design differentiators • Seismic performance findings 	Feb 25, 2021
Constructability	<ul style="list-style-type: none"> • Construction methods and durations • Range of potential impacts 	March 2021
Natural Resources	<ul style="list-style-type: none"> • Impacts to natural resources 	Mar 2021
Diversity, Equity & Inclusion	<ul style="list-style-type: none"> • Bridge option impacts to DEI principles 	Jan 2021
Multi-Modal	<ul style="list-style-type: none"> • Technical input on the bridge uses, typical sections, and connections to the existing multi-modal networks 	April 2021
Historic/Cultural Resources	<ul style="list-style-type: none"> • Impacts to historic and cultural resources 	Mar 2021



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

Project Update

Bike/Pedestrian & ADA Access



Project Update

Bike/Pedestrian & ADA Access – Ongoing Outreach

- Disability Rights Oregon
- Mult Co Disability Advisory Council
- Mult Co Aging Services Advisory Council
- MultCo Bike/Ped Citizen Advisory Committee
- MultCo REACH/Achieve Program
- Portland Bike Advisory Committee
- Portland Pedestrian Advisory Committee
- Portland Freight Advisory Committee
- Mercy Corps
- Social Services Working Group (including Portland Rescue Mission)
- Nightstrike (social service program)
- Oregon Walks
- City of Portland

Other ADA groups we're also trying to connect with:

- Independent Living Resources
- Portland Commission on Disability
- TriMet Committee on Accessible Transportation





Technical Update

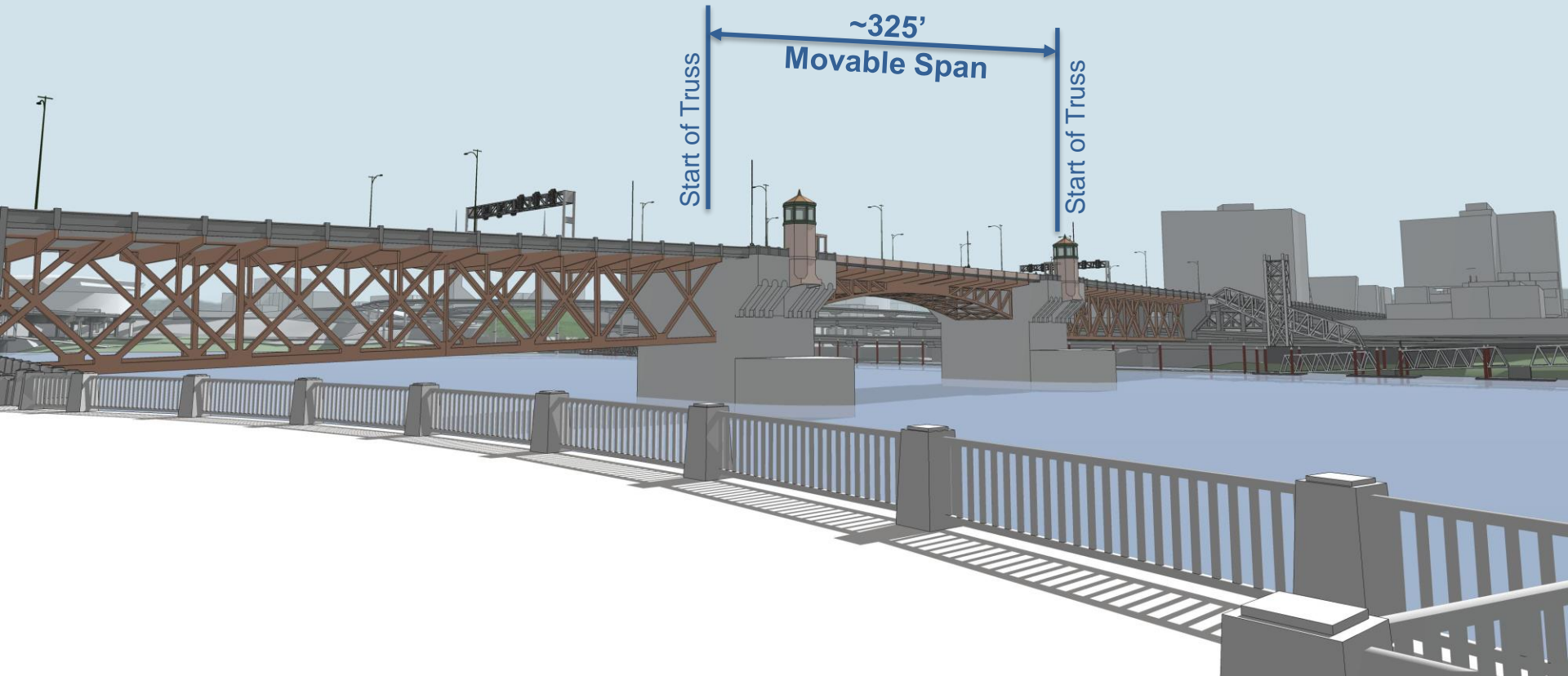
*Comparison of short movable vs.
long movable span options*



Project Update – Movable Span

Technical Update – Movable Span Length (Short vs Long)

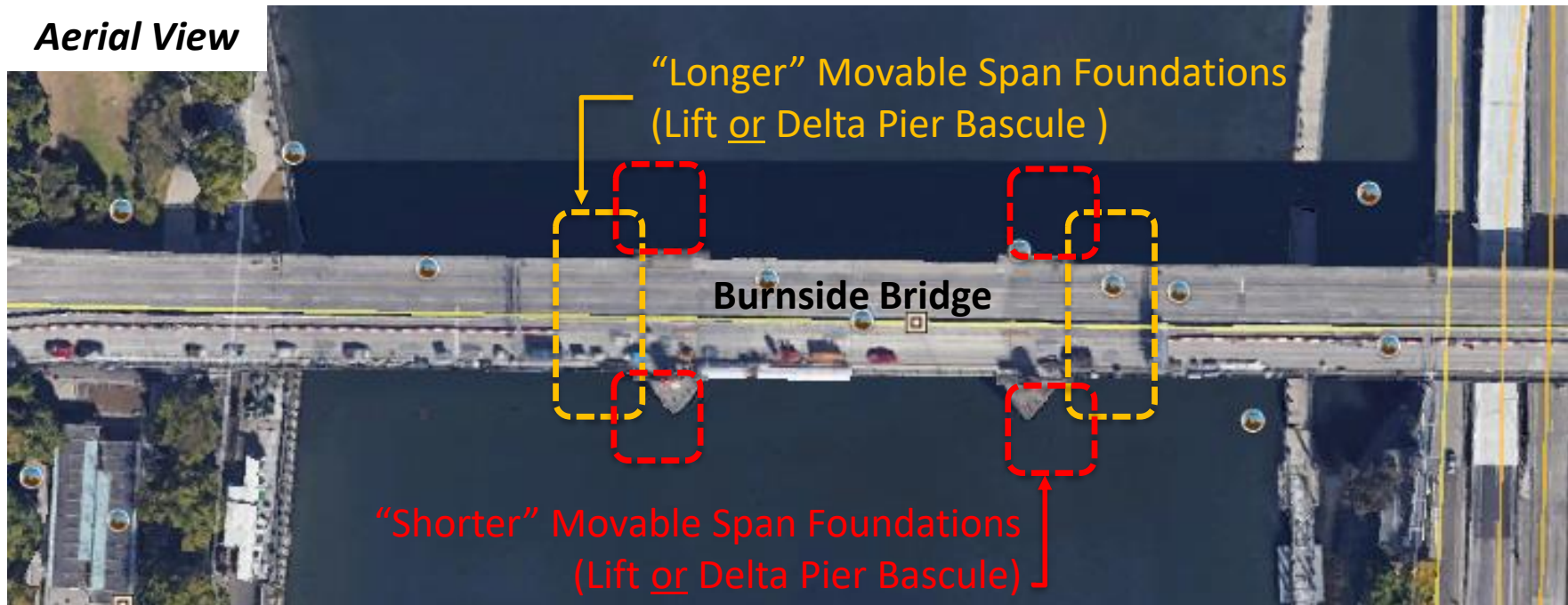
Existing Movable Span



Project Update

Short movable and long movable span comparison

Aerial View



Input from UDAWG:

- Reduce the pier size to the maximum extent possible (reduces in-water footprint)
- Position the piers as far away from the riverbanks as possible (better for scale)

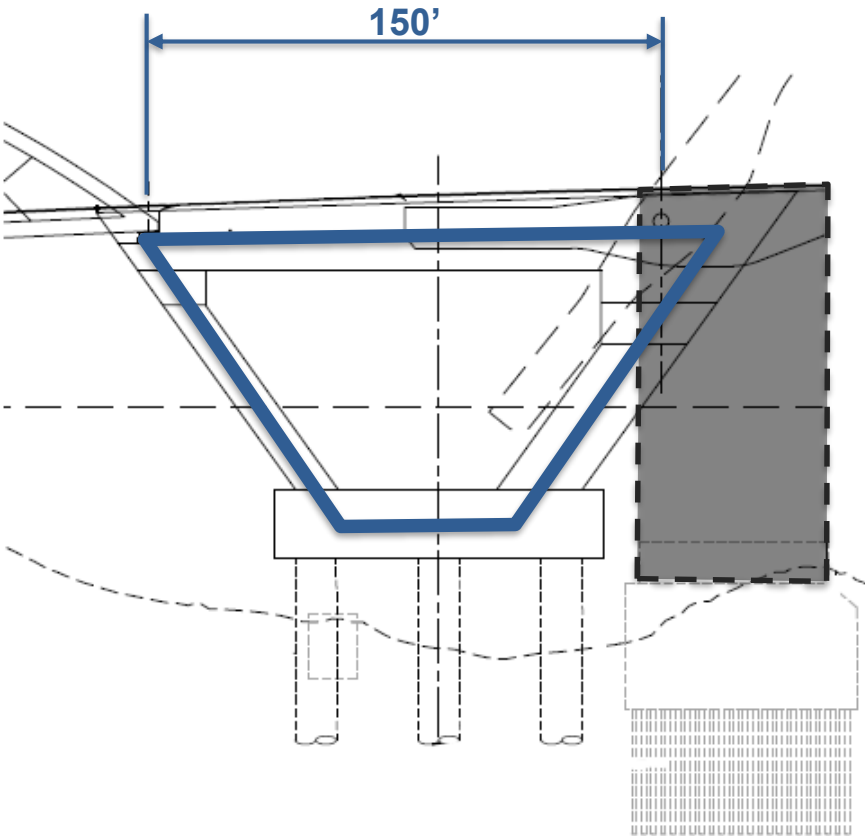
Technical Opportunities:

- Potential to reduce construction cost with a shorter movable span
- Potential to reduce traffic detour duration by 1 year

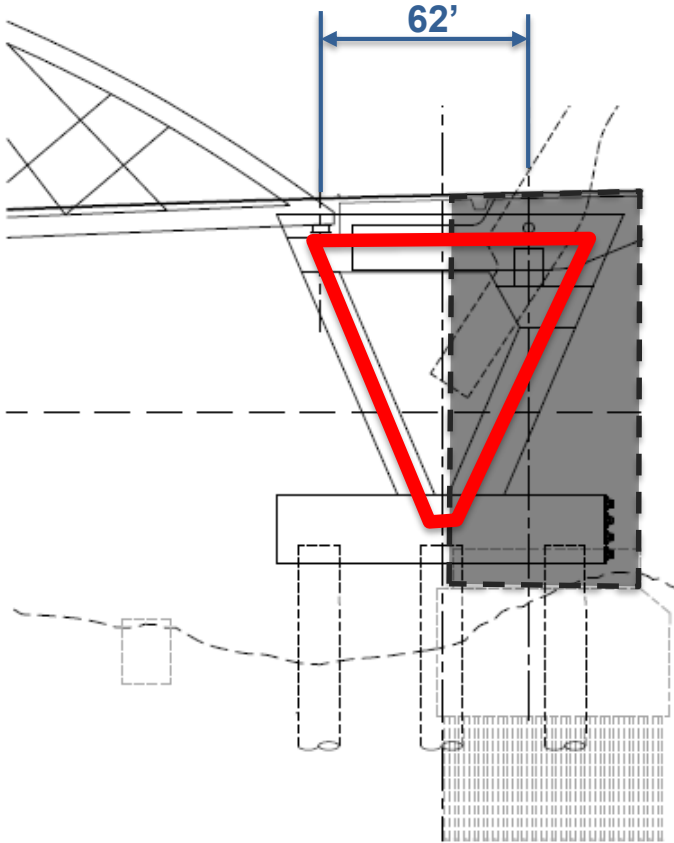


Project Update

Short movable and long movable span comparison



Long Movable Span (Bascule)



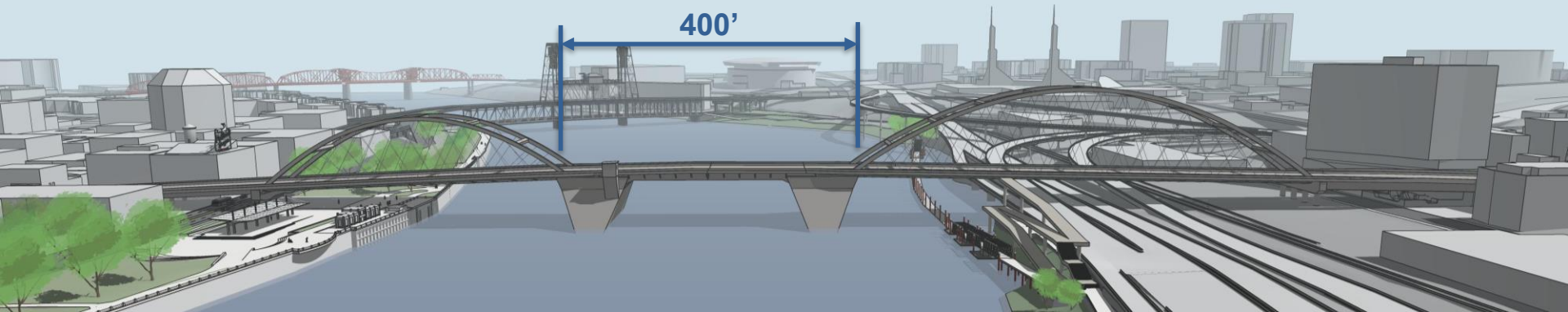
Short Movable Span (Bascule)



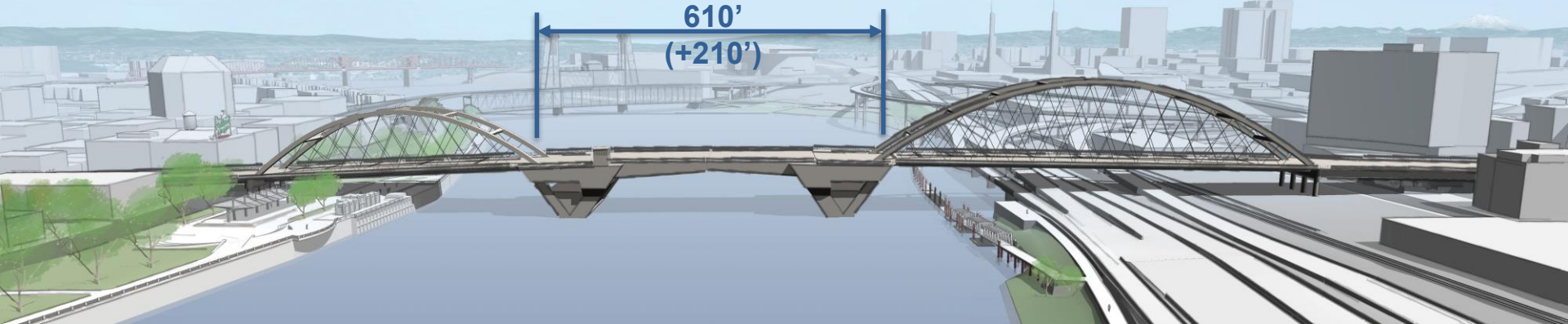
Project Update

Technical Update – Movable Span Length (Short vs Long)

Short Movable Span (Tied Arch - Bascule)



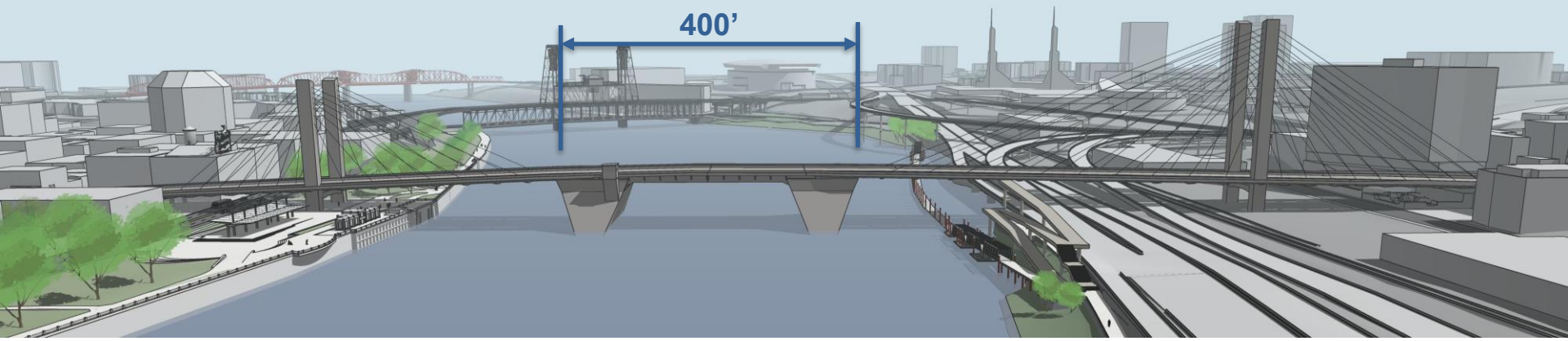
Long Movable Span (Tied Arch - Bascule)



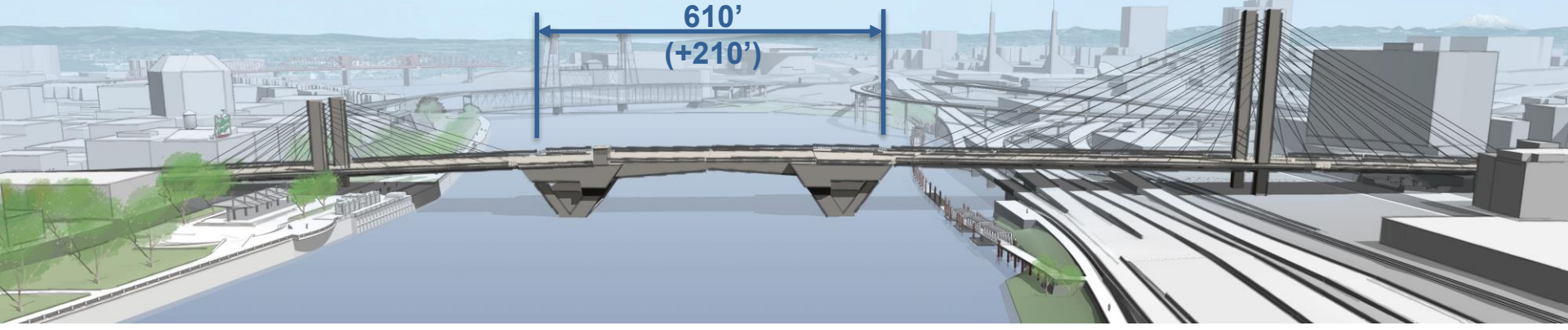
Project Update

Technical Update – Movable Span Length (Short vs Long)

Short Movable Span (Cable Stayed - Bascule)

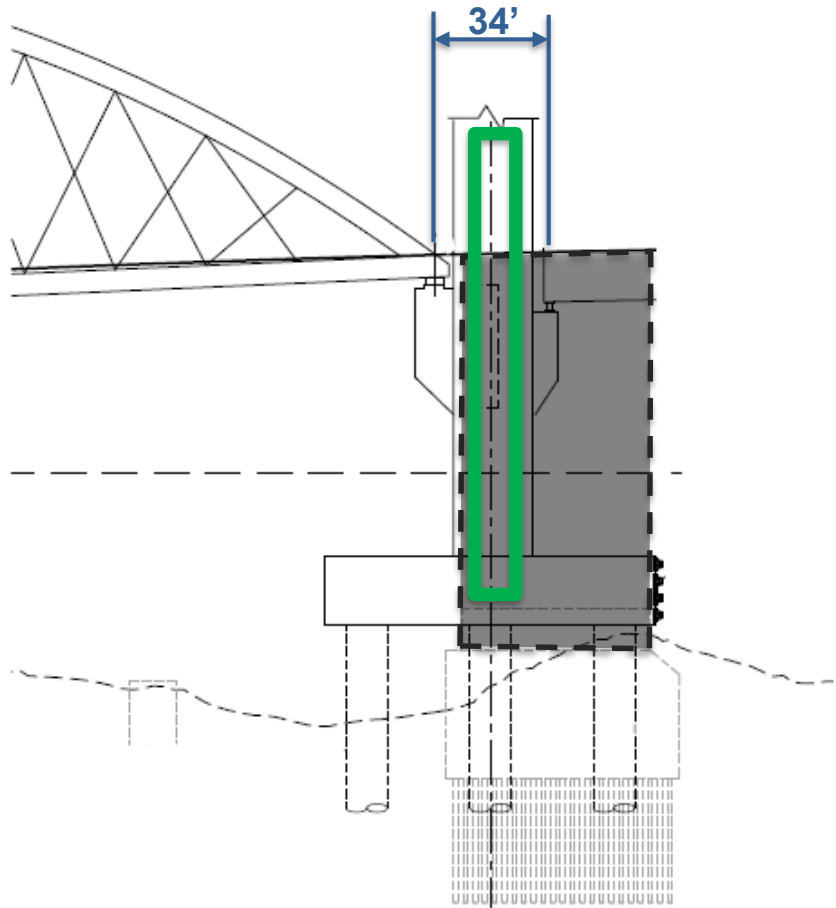


Long Movable Span (Cable Stayed- Bascule)

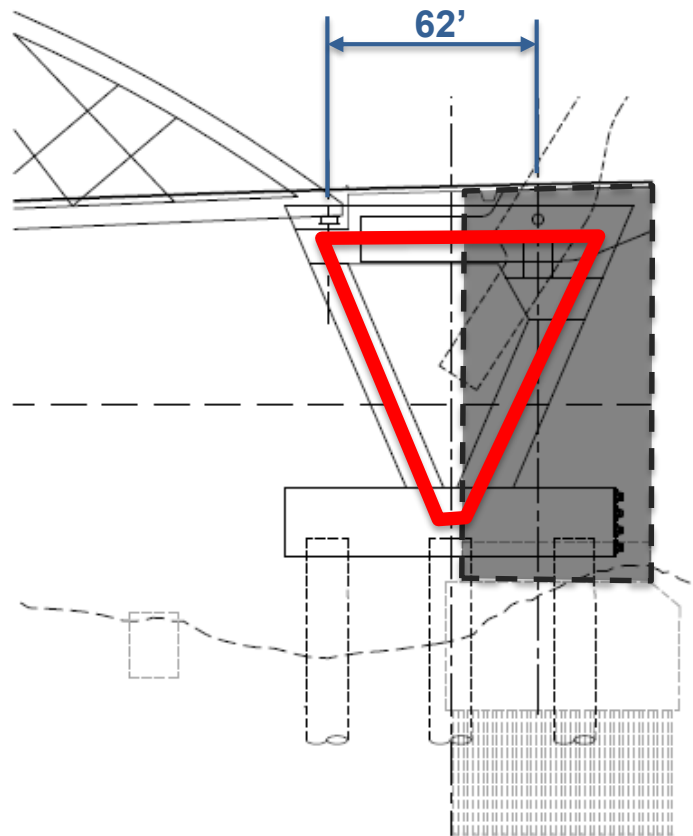


Project Update

Short movable and long movable span comparison



Long Movable Span (Lift)



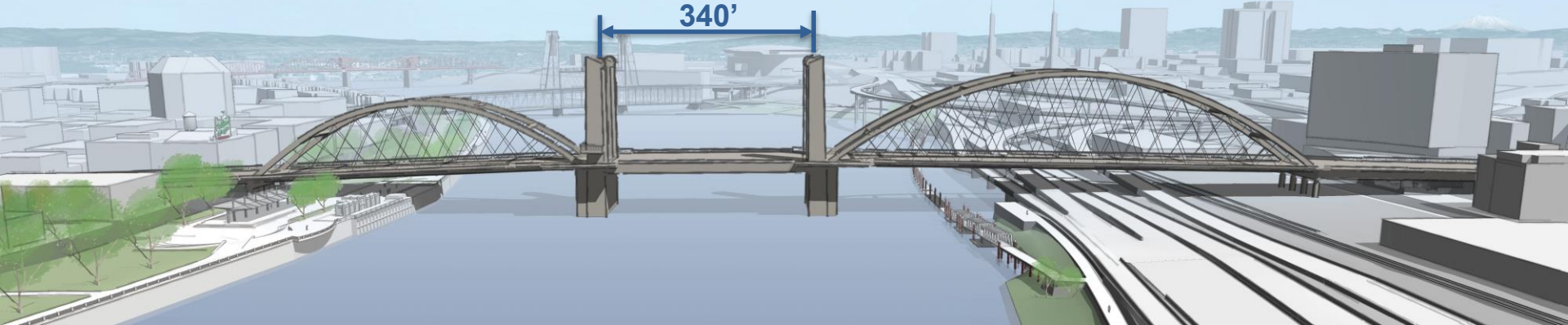
Short Movable Span (Bascule)



Project Update

Technical Update – Movable Span Length (Short vs Long)

Short Movable Span (Tied Arch - Lift)



Long Movable Span (Tied Arch - Lift)



Project Update

Technical Update – Movable Span Length (Short vs Long)

Short Movable Span (Cable Stayed - Lift)

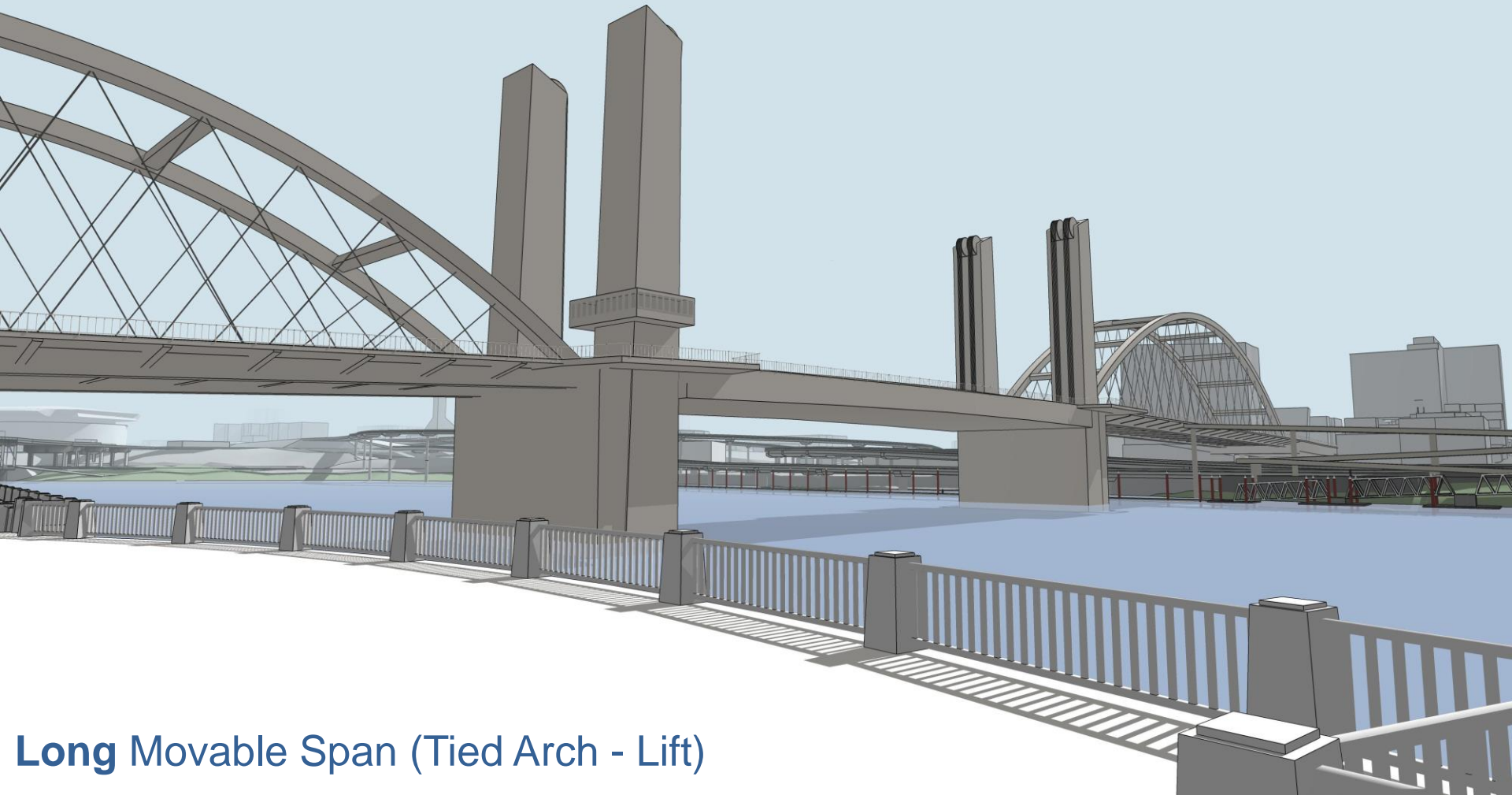


Long Movable Span (Cable Stayed- Lift)



Project Update

Technical Update – Movable Span Length (Short vs Long)

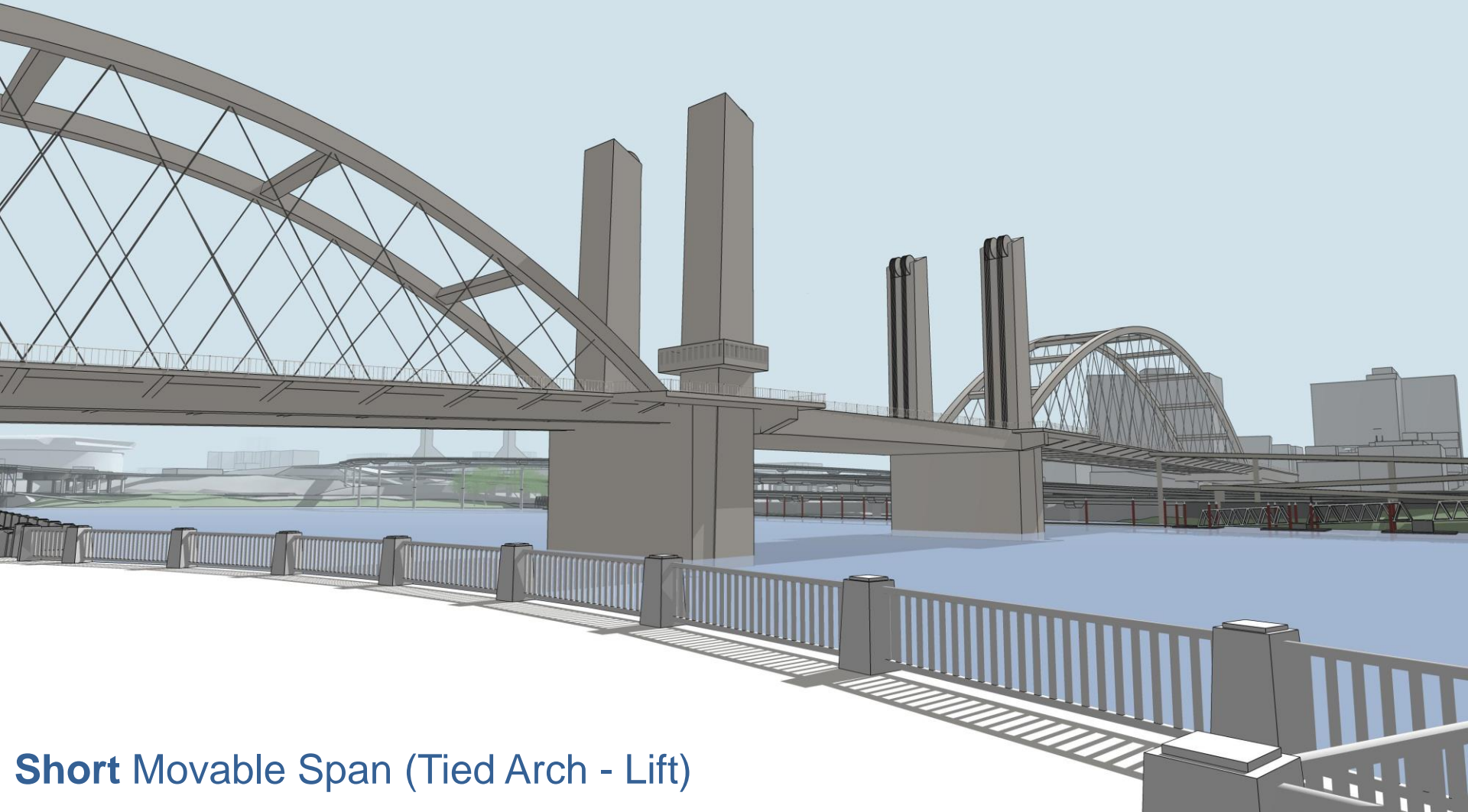


Long Movable Span (Tied Arch - Lift)



Project Update

Technical Update – Movable Span Length (Short vs Long)

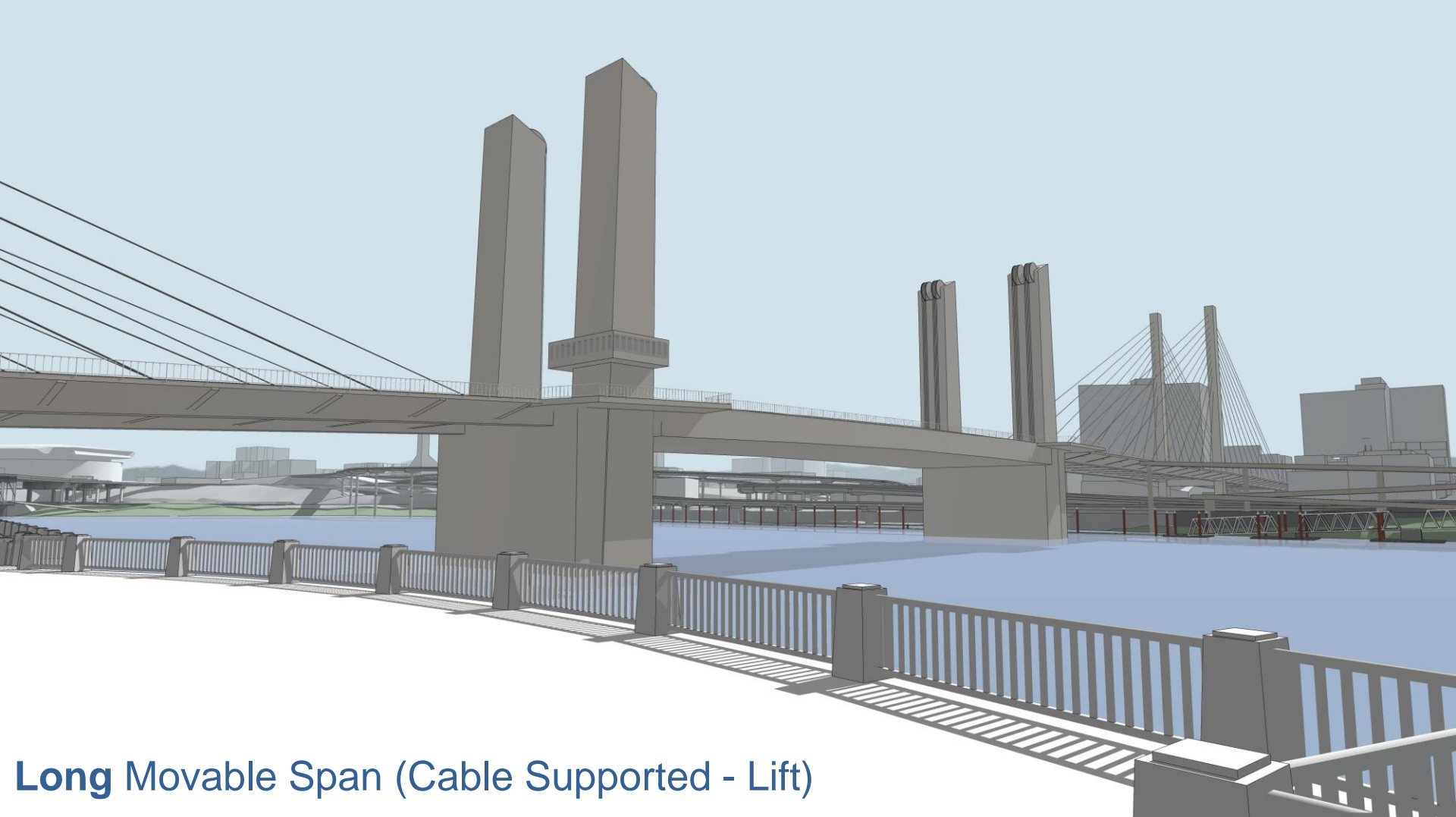


Short Movable Span (Tied Arch - Lift)



Project Update

Technical Update – Movable Span Length (Short vs Long)

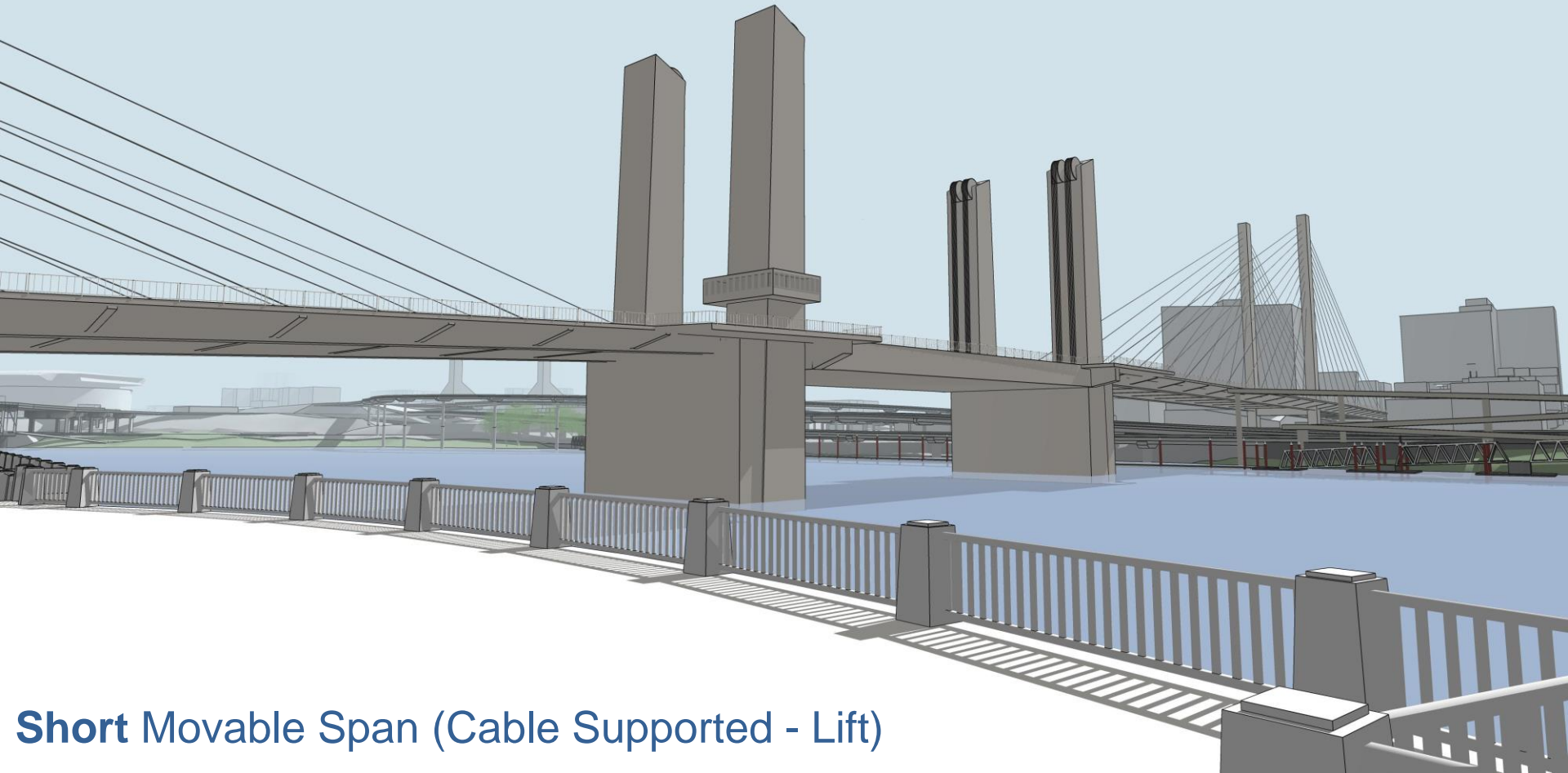


Long Movable Span (Cable Supported - Lift)



Project Update

Technical Update – Movable Span Length (Short vs Long)

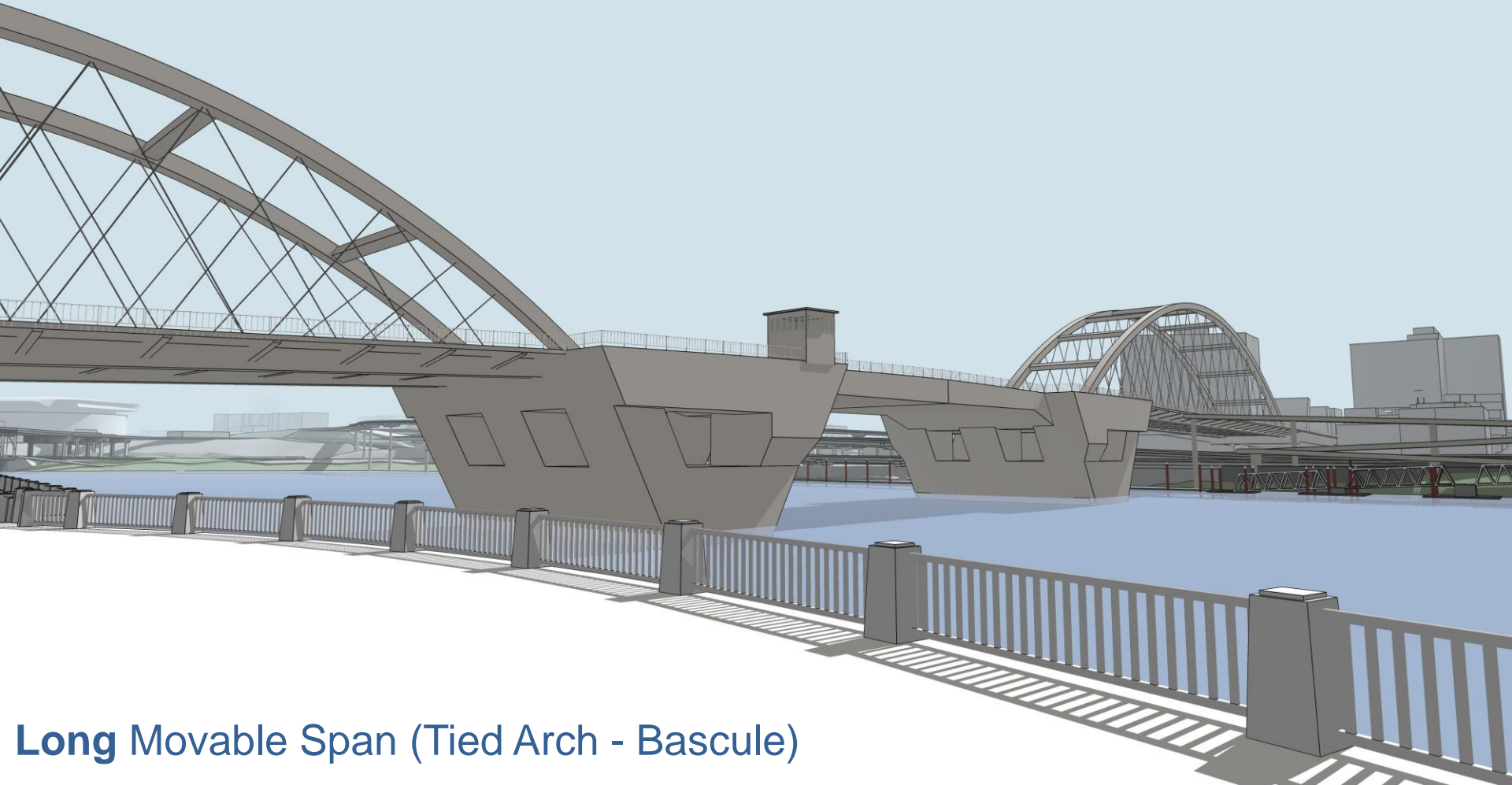


Short Movable Span (Cable Supported - Lift)



Project Update

Technical Update – Movable Span Length (Short vs Long)

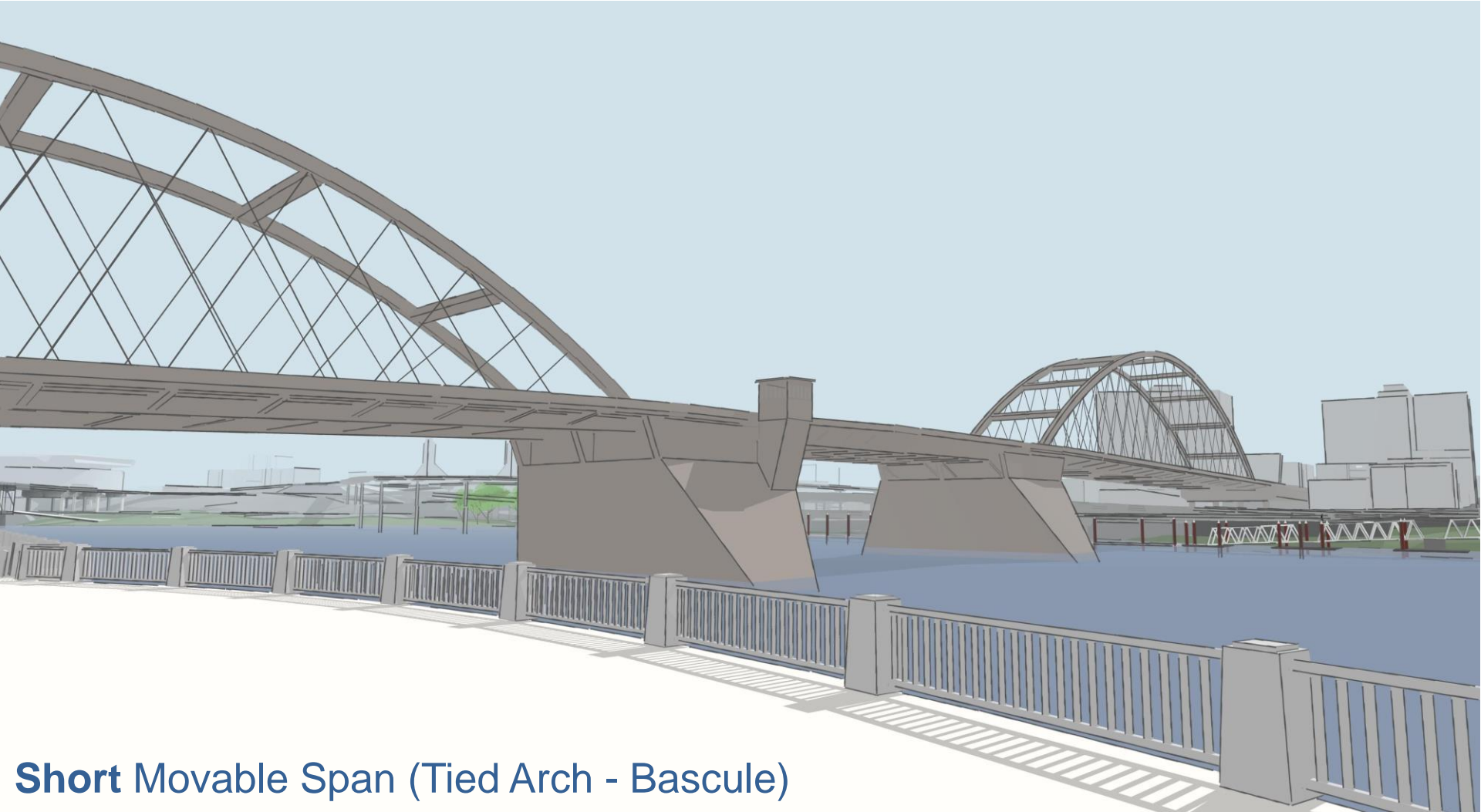


Long Movable Span (Tied Arch - Bascule)



Project Update

Technical Update – Movable Span Length (Short vs Long)

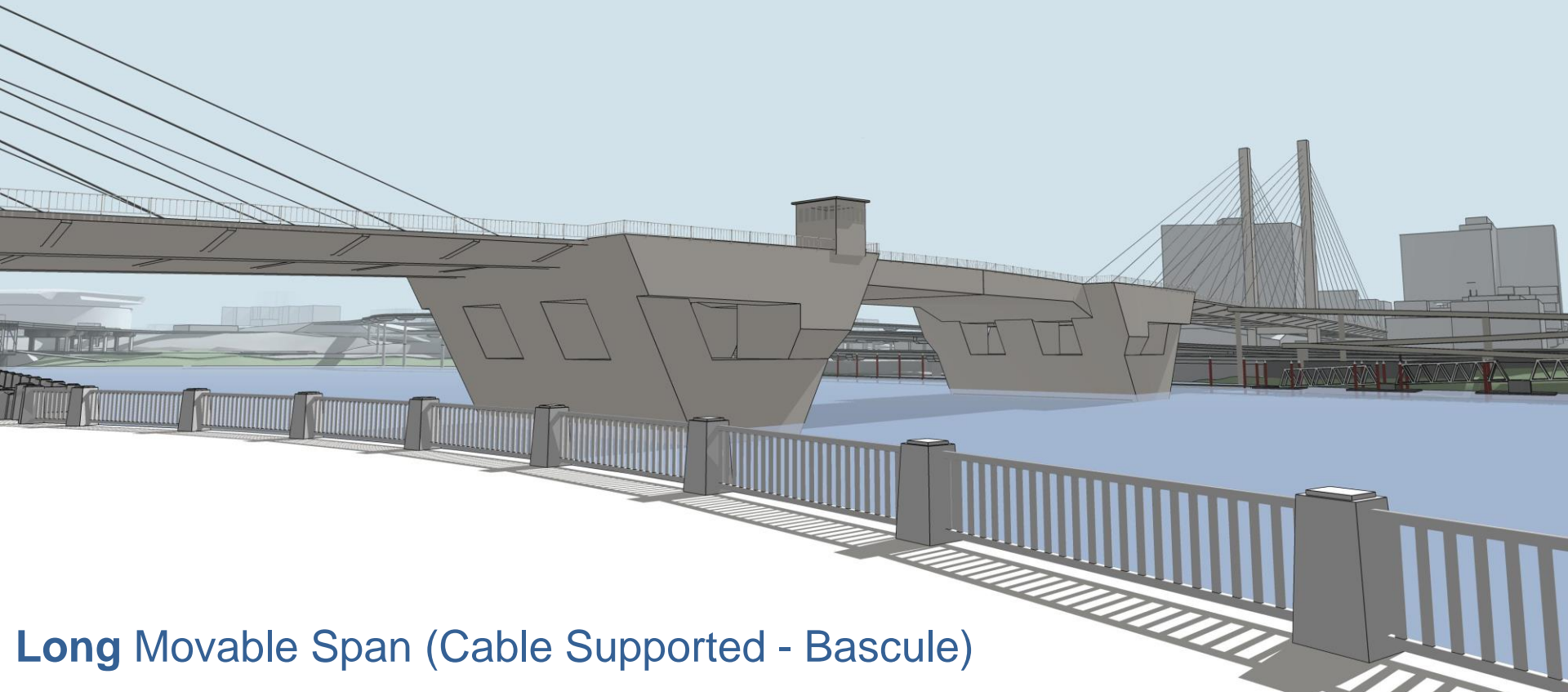


Short Movable Span (Tied Arch - Bascule)



Project Update

Technical Update – Movable Span Length (Short vs Long)

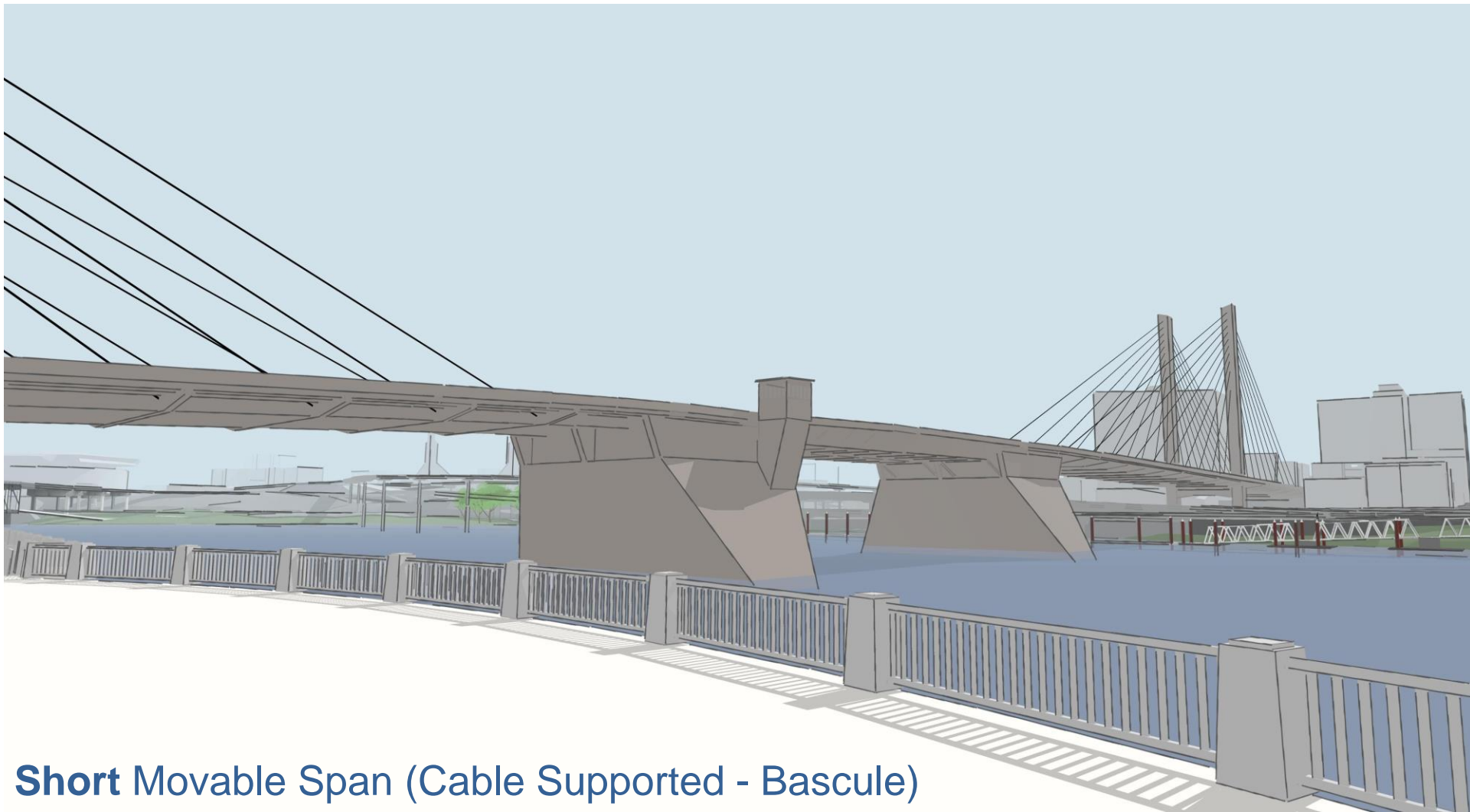


Long Movable Span (Cable Supported - Bascule)



Project Update

Technical Update – Movable Span Length (Short vs Long)



Short Movable Span (Cable Supported - Bascule)



Project Update

Technical Update – Movable Span Length (Short vs Long)

Technical recommendation: Advance only the Short Movable Span options

Why?

- ✓ Reduces the exposed pier size to almost that of the existing bridge
 - Better for overall river hydraulics
 - Better for side channel vessel usage
 - Better overall aesthetic scale
- ✓ Reduces construction impacts
 - Enables construction of foundations while bridge is open to traffic
 - Reduces traffic detour duration by approximately 1 year
- ✓ Reduces construction cost without sacrificing seismic or bridge opening performance
 - Reduces cost by \$20M - 50M (depending on the bridge type)

Trade-offs

- ✗ Taller approach span superstructure heights
- ✗ Longer underwater bridge foundation (parallel to river)

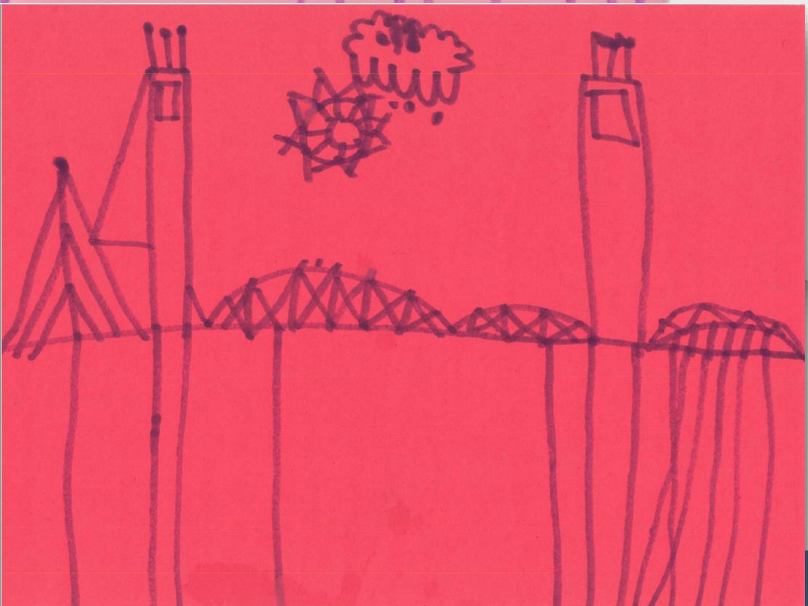




Bridge Type Selection

Community Input Review





By the Numbers

60+	BRIEFINGS to agencies, individuals, and organizations
25	DEI organizations reached
11,950	UNIQUE VISITORS to the online open house and survey
1,900+	SURVEY RESPONSES
6	In-language TRANSLATIONS of the online open house and materials
285k	Social media IMPRESSIONS
3,183	E-newsletter RECIPIENTS
119	Text Message RECIPIENTS
12	NEWS RELEASES AND E-NEWSLETTERS



For the **WEST APPROACH SPAN**, if you had to choose, which bridge type features would you prefer?

Overall Look and Feel

76% - Above deck structure that matches on both the east and west approaches

21% - An uneven or unbalanced look that has above deck structure on the east but no above deck structure on the west

3% - Unsure



For the **WEST APPROACH SPAN**, if you had to choose, which bridge type features would you prefer?

On and Under Bridge Experience

75% - Structure above the bridge deck with a higher ceiling height under the bridge

23% - Unobstructed views on the bridge with reduced vertical clearance under the bridge

2% - Unsure



For the **WEST APPROACH SPAN**, if you had to choose, which bridge type features would you prefer?

Cost and Construction

64% - Look, feel and experience are more important to me than cost

33% - I'm willing to forego a certain look, feel and experience of the bridge if it is too expensive

3% - Unsure



For the **MOVABLE SPAN**, if you had to choose, what would you prefer?

**71% - Unobstructed views on the bridge
with larger in-water piers (Bascule)**

25% - Vertical towers above the bridge deck with smaller in-water piers (Lift)

4% - Unsure



For the west, middle, and east sides, which bridge types and related features do you think do the best job of...

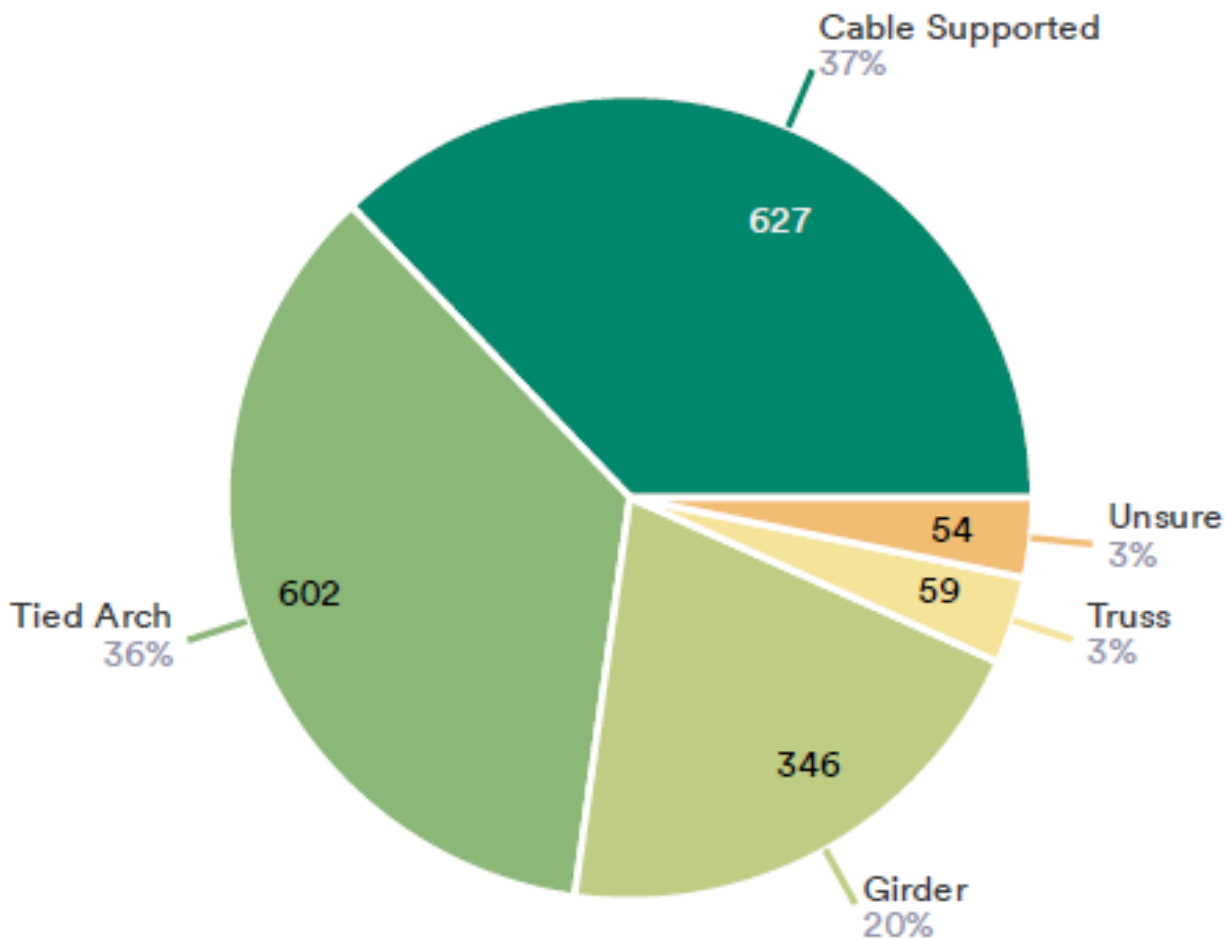
- Complementing or responding to the surrounding area and neighborhoods?
- Acknowledging the historic and natural surroundings?
- Presenting a seismically-resilient, modern design?
- Setting the tone for future development throughout its 100-year design life?

(Responses on subsequent slides.....)



What we heard

...On the west side



Key Themes:

73% Cable Supported and Tied Arch – aesthetic preferences, symmetrical and forward-thinking design

20% Girder – unobstructed views and preserves feel of Old Town

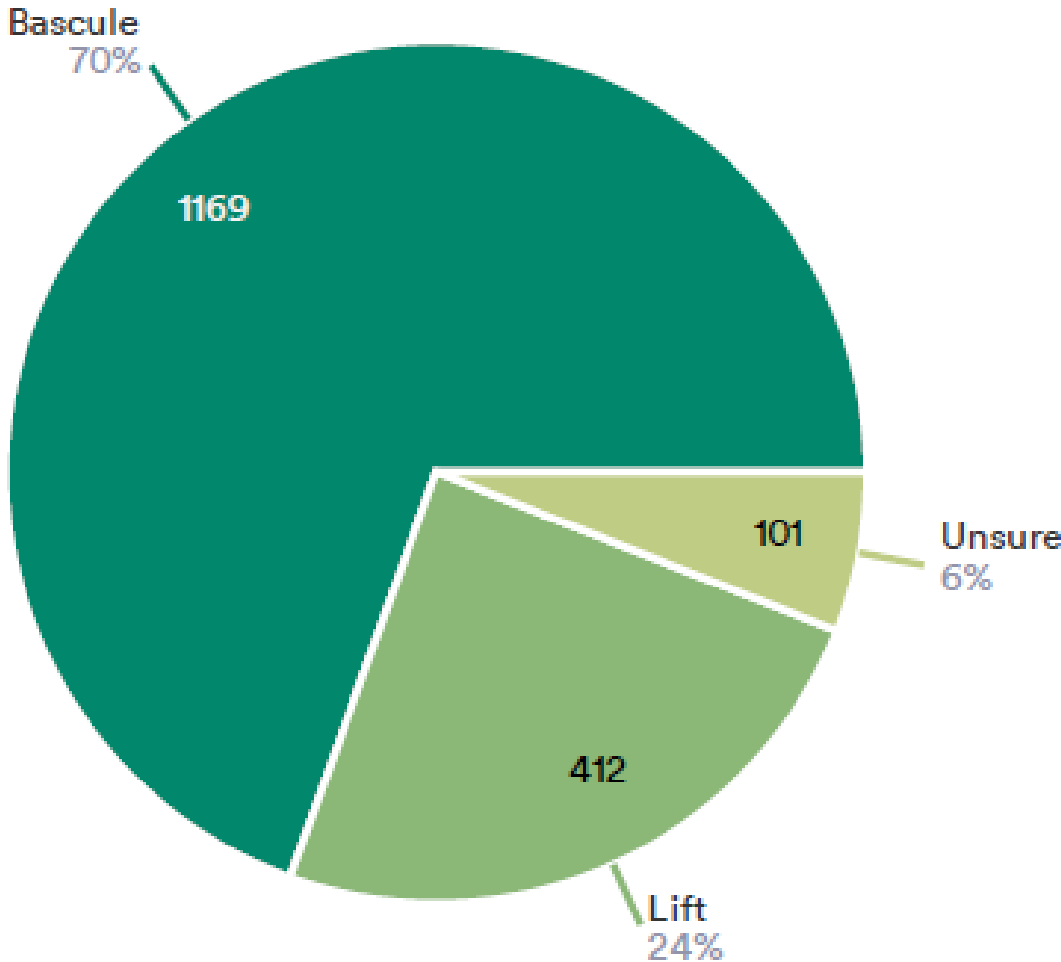
3% Truss – fits in well with other bridges and is a nod to historic designs

3% Unsure – keep the current bridge, whichever is fastest and cheapest to build



What we heard

...In the middle



Key Themes:

70% Bascule – unobstructed views and clean design, unlimited vertical clearance

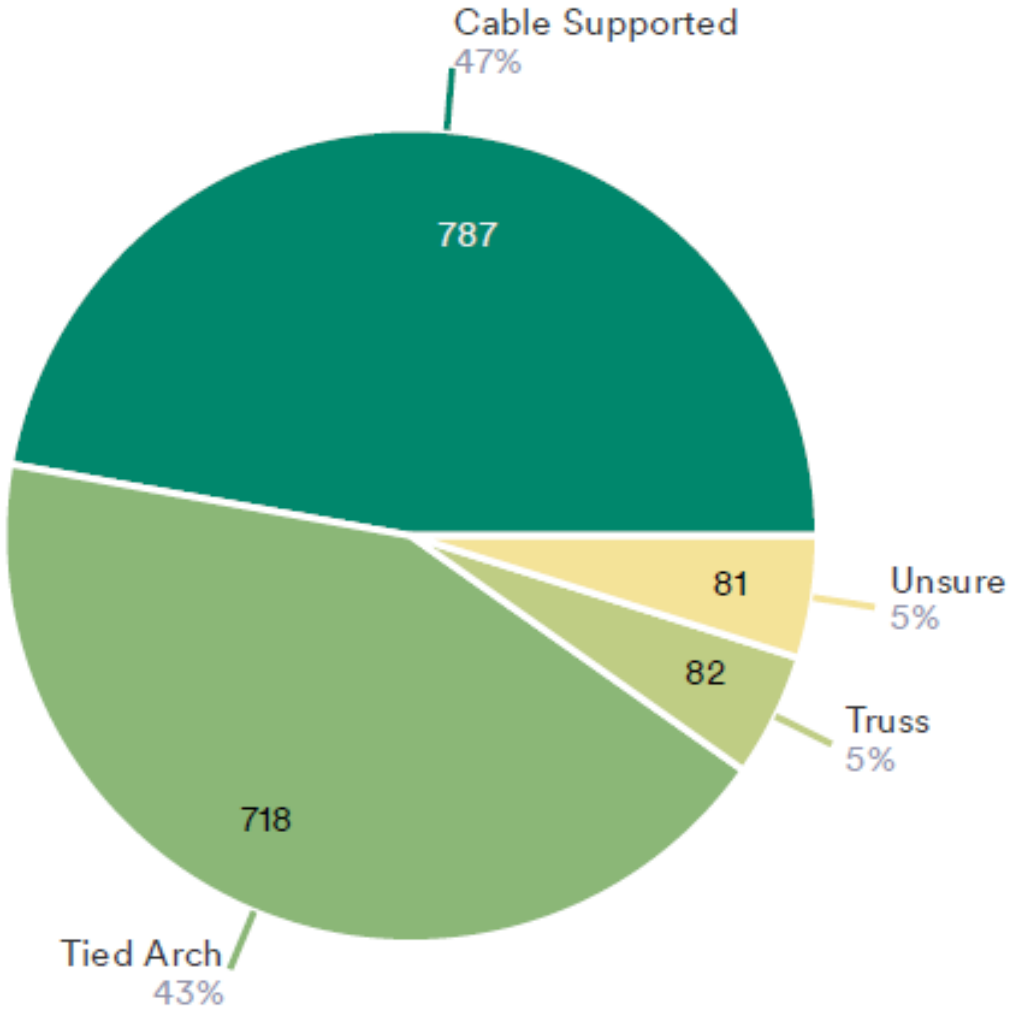
24% Lift – cheaper, would complement other superstructures, less in-river impacts

6% Unsure – depends on cost, length of construction, environmental impacts, whichever is quicker to open/close



What we heard

...On the eastside



Key Themes

90% Cable Supported and Tied Arch – aesthetic preferences, symmetrical, superstructure would fit well with east side skyline

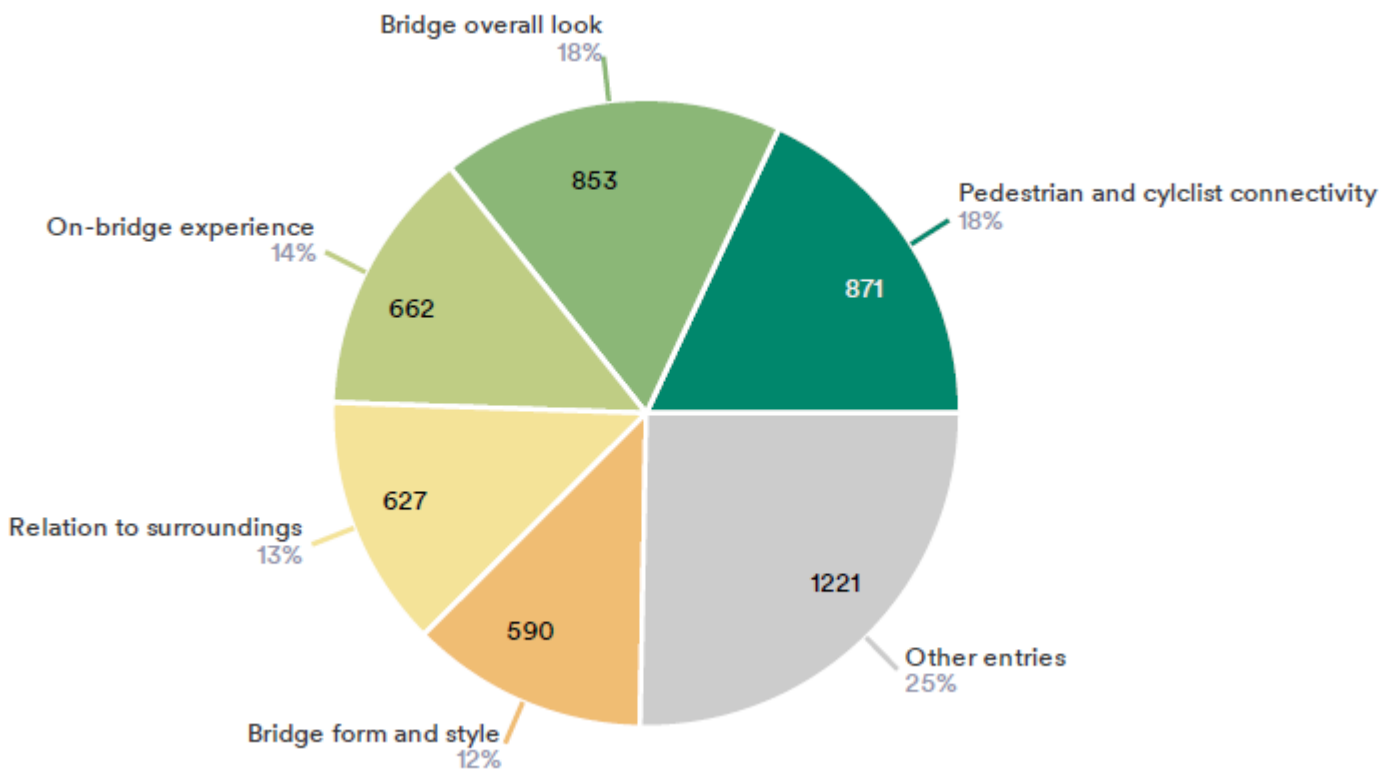
- Cable Supported has more striking design
- Tied Arch would add more variety without overshadowing surroundings

5% Truss – fits in well with other bridges and a nod to historic designs

5% Unsure – whichever is fastest and cheapest



Of the topics for evaluating the options, which is most important to you? (Select your top three.)



Do the topics for evaluating the bridge type options make sense?

96% - Yes



What other topics should we consider when studying the tradeoffs among the options?

Key Themes:

- Seismic resiliency
- Aesthetically pleasing and forward-thinking design
- Prioritizing active transportation and transit
- Making the bridge flexible to changing needs (i.e., wider bike lanes or more transit-only lanes in the future)
- Cost of construction and long-term maintenance
- Environmental sustainability and reducing the carbon cost of the physical bridge structure





Discussion



**Are there any bridge types
you'd like to remove from
further consideration?**





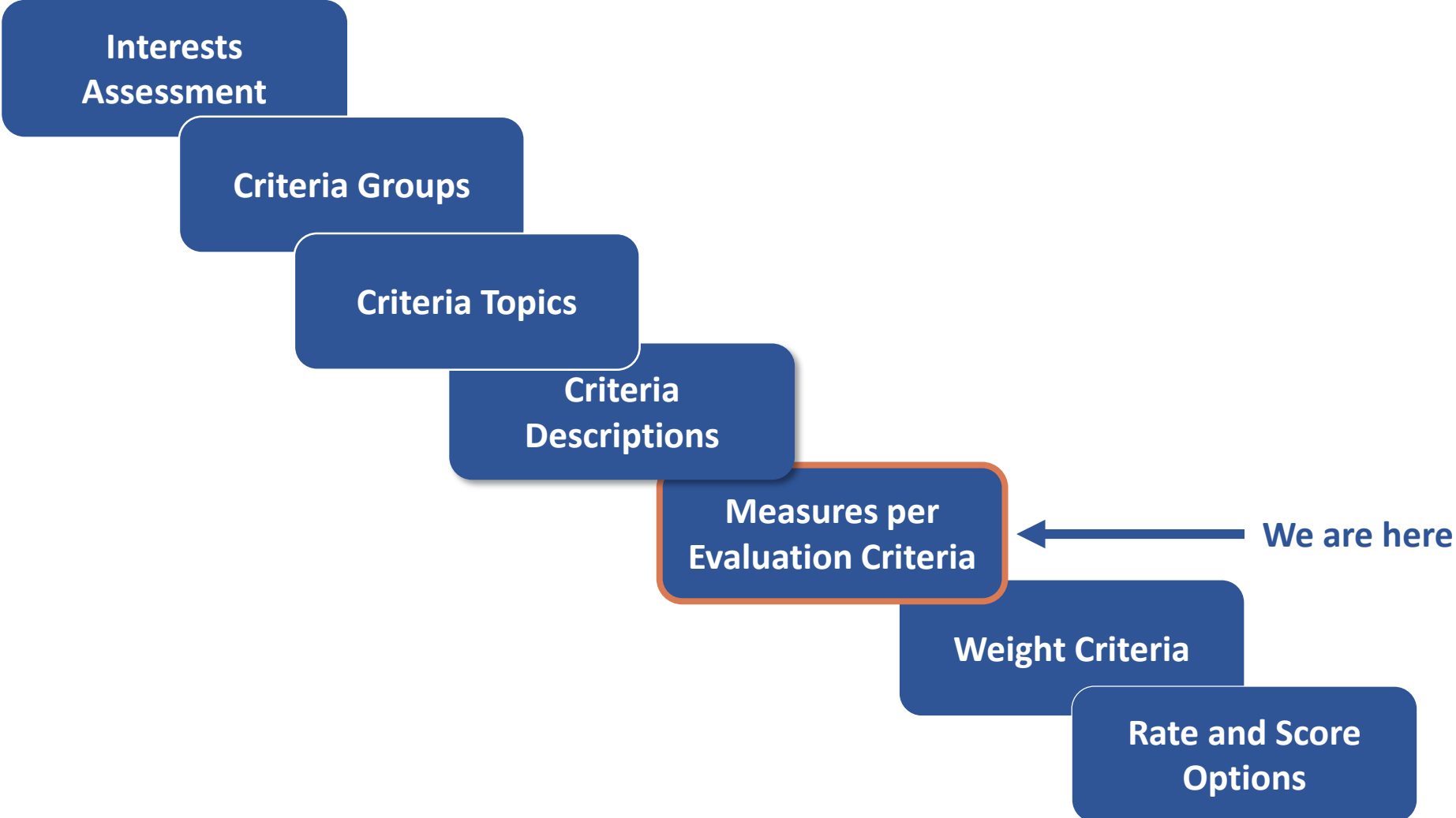
Bridge Type Selection

Criteria Development



Criteria Development

Evaluation Process - Steps in Getting to a Recommended Bridge Type



Criteria Development

Refined Criteria Topics for Review

Human Experience & Bridge Surroundings

- On-bridge Experience
- Below-bridge Experience
- Relation to Surroundings

Overall Look & Feel of the Bridge

- Bridge Overall Look
- Bridge Form and Style
- Flexible Design

Cost & Construction Impacts to Users

- Total Project Cost
- Long Term Costs
- Construction Impacts



Criteria Development

Measures Review



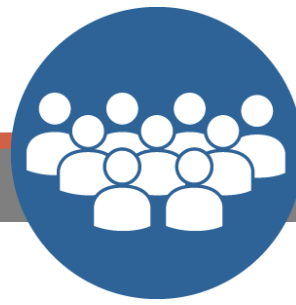


**Do you approve these criteria
moving forward?**





Open Discussion



Upcoming CTF Meetings

- **March 22** – Project update, weight evaluation criteria (*tentative*)
- **July** – Review updated cost information and evaluation screening results and work towards a bridge type recommendation
- **August** – Make bridge type recommendation for community review
- **September** – Community outreach on recommended bridge type
- **October** – Review community feedback and make final recommendation on bridge type



Thank you!

