

Agenda

- 1. Welcome & Opening Remarks
- 2. Introductions & Housekeeping
- 3. Bridge Tour Reflections
- 4. Preferred Alternative Background
- 5. Preliminary Evaluation Criteria Review
- 6. Public Comment Period
- 7. Next Steps & Closing Remarks

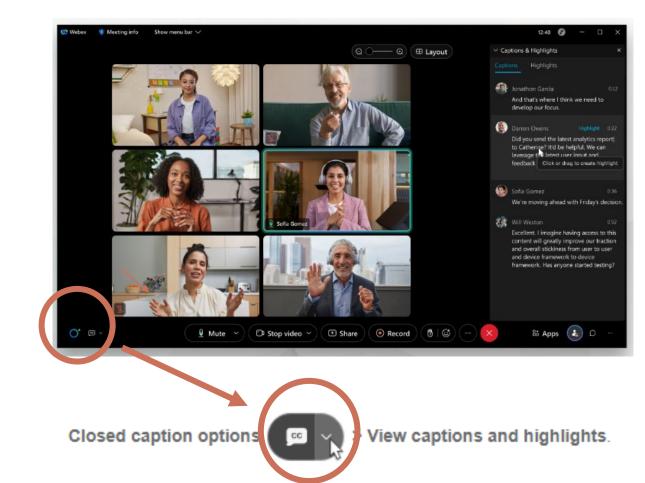


Virtual Participation Tips

Closed captions in English are available in Webex and YouTube

- In the bottom menu select "CC" or "closed captioning"
- Select "view captioning and highlights"

Submit questions for response to burnsidebridge@multco.us



Public Input Instructions

Public comments are welcomed as part of each CDAG meeting and can be shared in several ways:

- In-Person Verbal Comments: Attend and comment in-person at Multnomah Building (Board Room, 1st Floor) - 501 SE Hawthorne Blvd, Portland, OR, 97214. Sign-up for comment at the sign-in table.
- Virtual Verbal Comments: Request link to provide virtual comments
 24 hours before the meeting by sending an email with subject line
 "CDAG Comments" to: burnsidebridge@multco.us. A project team
 member will contact you with instructions.
- Written Comments: Send an email to be included in the groups meeting packet 48 hours before the meeting by sending an email with subject line "CDAG Comments" to: burnsidebridge@multco.us.



Housekeeping

Safety Briefing & Meeting Protocols

Safety

- Evacuation location: Parking lot on the SE corner of 6th and Hawthorne (cross at light at SE 7th Ave)
- Emergency exits
- Restrooms outside the door

Meeting Protocols

- Question or comment: raise your hand or turn your table tent on the short end
- Speak clearly and toward the microphones
- Limit multitasking, side conversations and noise that could be picked up by the microphones
- All meetings are live to the public and recorded

Housekeeping

Meeting Protocols

- Be curious and willing to learn.
- Ask questions to gain clarity and understanding.
- Express preferences, interests, and outcomes you wish to achieve.
- Listen respectfully to understand the needs and interests of others.
- Be concise with comments and questions.
- Focus on the scope of the discussion.
- Attend all meetings in a timely manner.
- Respect the role of the facilitator to guide the group process.
- Seek common ground.

Introductions & Roll Call

- Aaron Whelton, Portland State University
- Anthony Jackson, Community Member
- Brian P. Kimura, Japanese American Museum of Oregon
- Carol Gosset, Oregon Museum of Science & Industry
- Chris Herring, Portland Winter Light Festival
- Erik Swenson, Portland Saturday Market
- Fred Cooper, Laurelhurst Neighborhood
 Association & Native American Youth and Family
 Center
- Gabe Rahe, Burnside Skatepark
- **Guenevere Millius**, Sunnyside Neighborhood Association
- Ian Sieren, Community Member

- Jackie Tate, Community Member
- Jason Halstead, Community Member
- Neil Jensen, Gresham Chamber of Commerce
- Paddy Tillett, Architect/Design Professional
- Patrick Sullivan, SERA Architects
- Robert Hastings, Willamette Light Brigade
- Sarah Lazzaro, Community Member
- Sharon Wood Wortman, Historian
- Ed Wortman, Community Member
- Susan Lindsay, Buckman Neighborhood Association
- Valerie Schiller, Multnomah County Bike/Ped Citizen Advisory Committee
- Todd DeNeffe, Central Eastside Industrial Council

Introductions & Roll Call



- Name and pronouns
- Affiliation (if applicable)

Earthquake Ready Burnside Bridge Project (EQRB)



Sharon Daleo PBOT | CDAG October 26, 2023

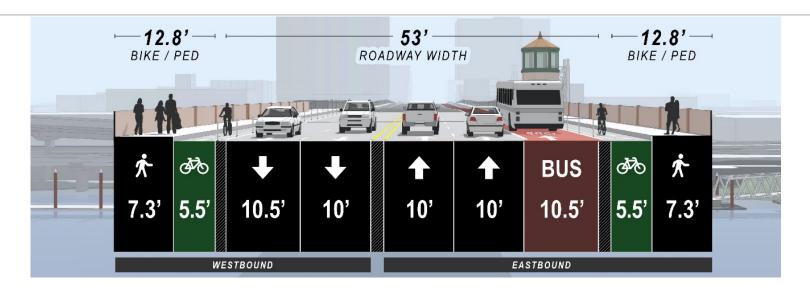


Agenda:

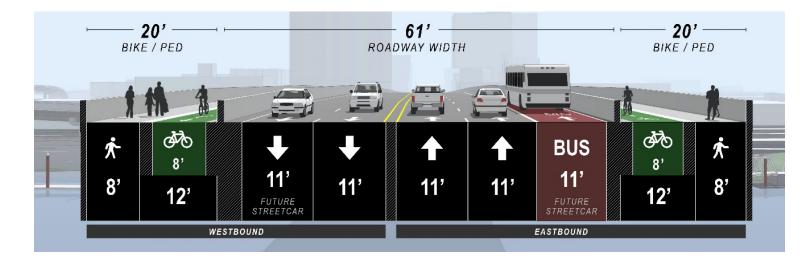
- Traffic Configurations
 - o EIS
 - Cost-savings for SDEIS
 - Policy
- City Role
 - Jurisdictional Partner

EARTHQUAKE READY BURNSIDE BRIDGE PROJECT (EQRB)

Existing Cross Section



DEIS Cross Section



EARTHQUAKE READY BURNSIDE BRIDGE PROJECT (EQRB)

4-Lane Traffic Configurations





2 WB Lanes / 1 EB + 1 Bus Lane

1 WB Lane / 2 EB + 1 Bus Lane



Reversible Lane

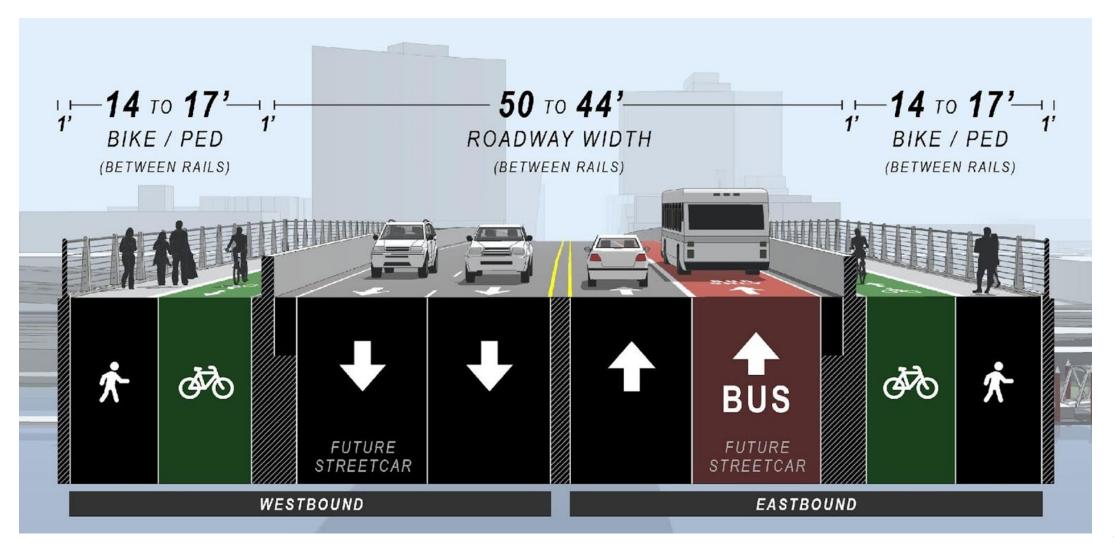


2 WB Lanes / 2 EB Lanes (Bus queue jump)



Locally Preferred Alternative

Typical Cross Section



EARTHQUAKE READY BURNSIDE BRIDGE PROJECT (EQRB)

Q/A



City Project Manager Brooke Jordan

Thank you.

BURNSIDE BRIDGE TOURS















Bridge Tour Reflections

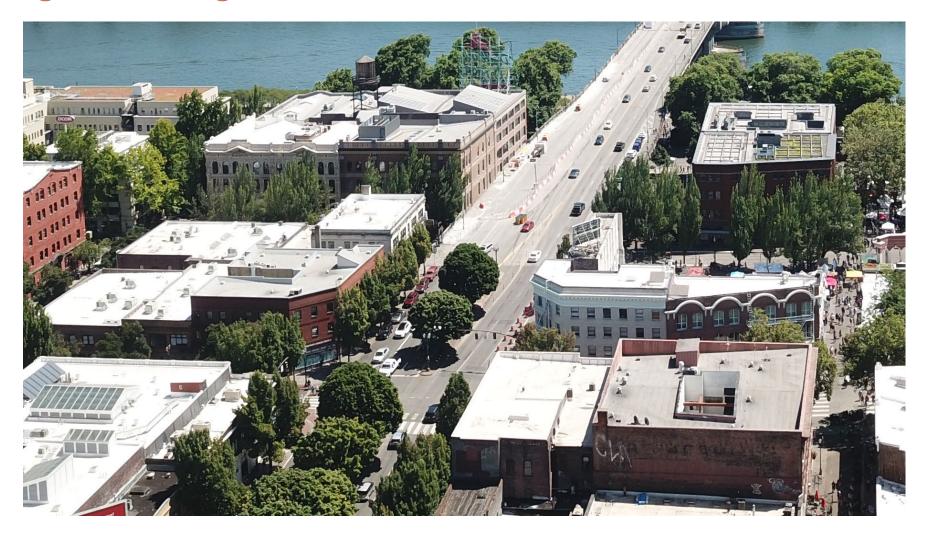
West (Downtown) side



East side



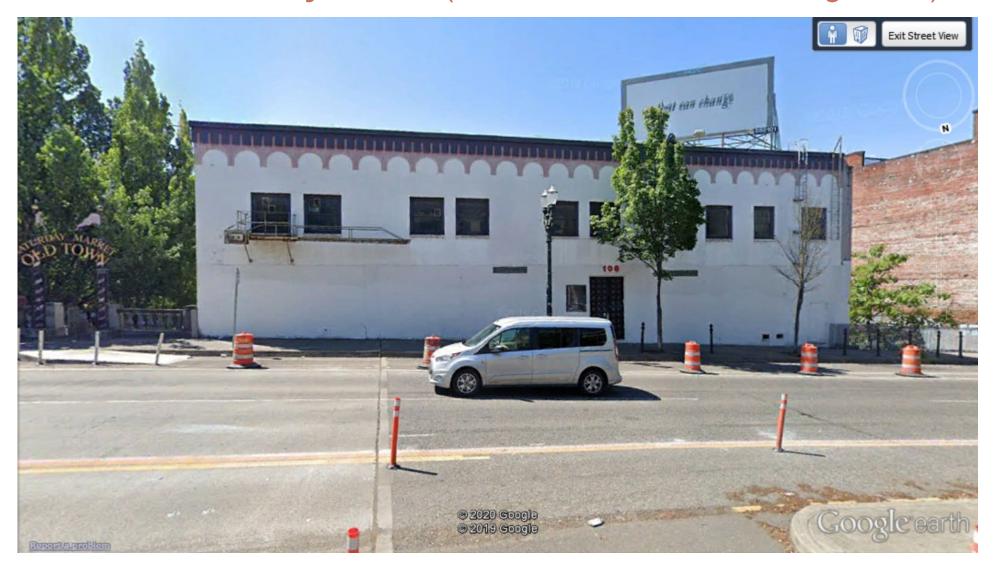
1. Existing West Bridgehead



2. Portland Rescue Mission



3. Portland Saturday Market (from Burnside Street facing south)



3. Portland
Saturday
Market
(parking area
on SW
Ankeny)







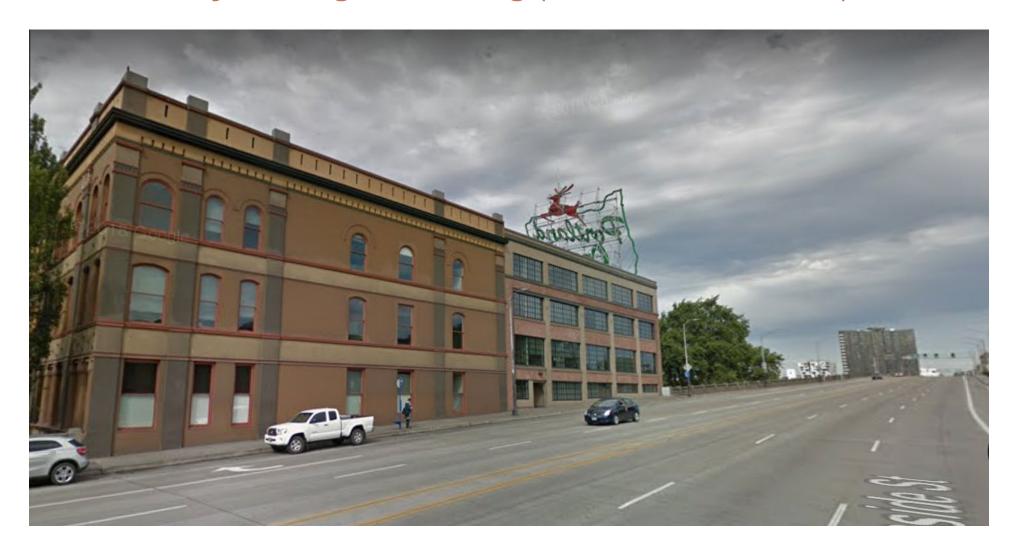


4. Trimet – Skidmore Fountain Station

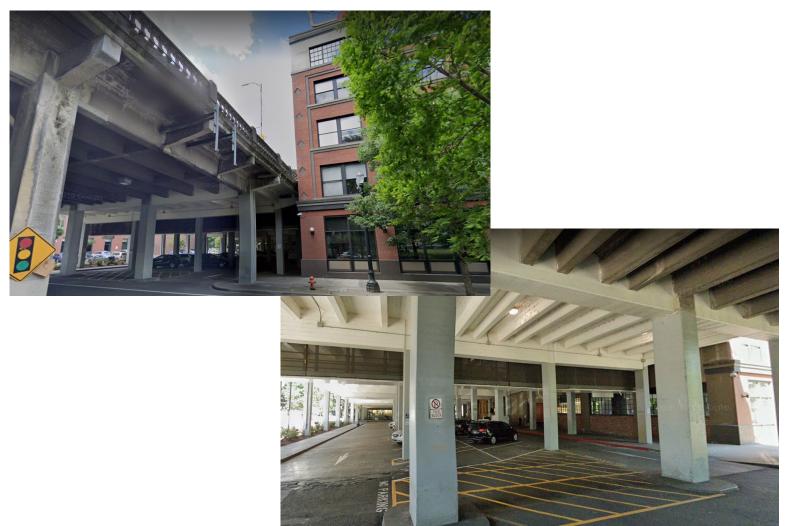




5. University of Oregon Building (from Burnside Street)



5. University of Oregon Building (view from below Burnside Street)





6. Mercy Corps (view from Burnside Bridge)



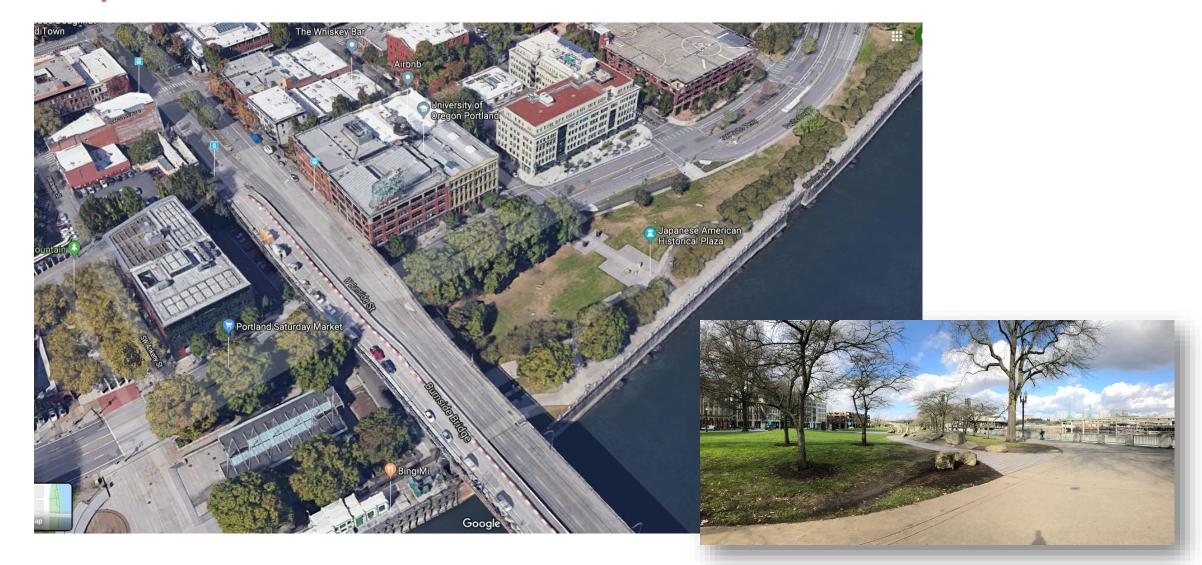
7. Waterfront Park / Ankeny Plaza



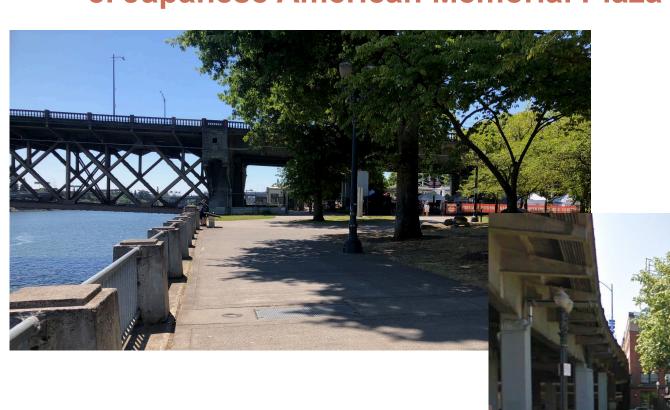




8. Japanese American Memorial Plaza



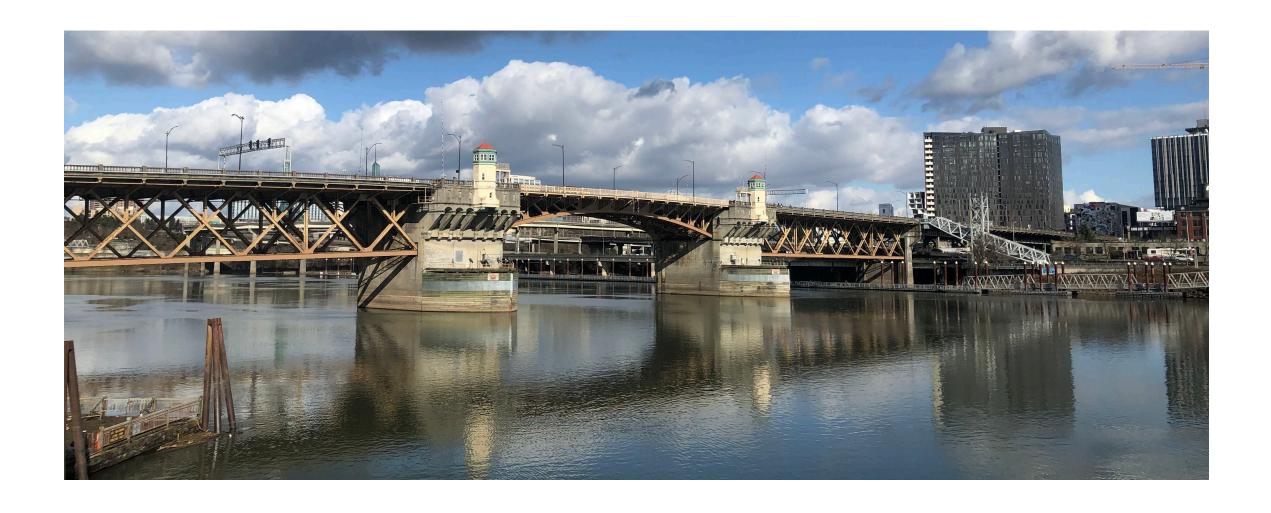
8. Japanese American Memorial Plaza







9. Willamette River (view looking northeast from Waterfront Park)





Along south side of bridge

10. Eastbank Esplanade

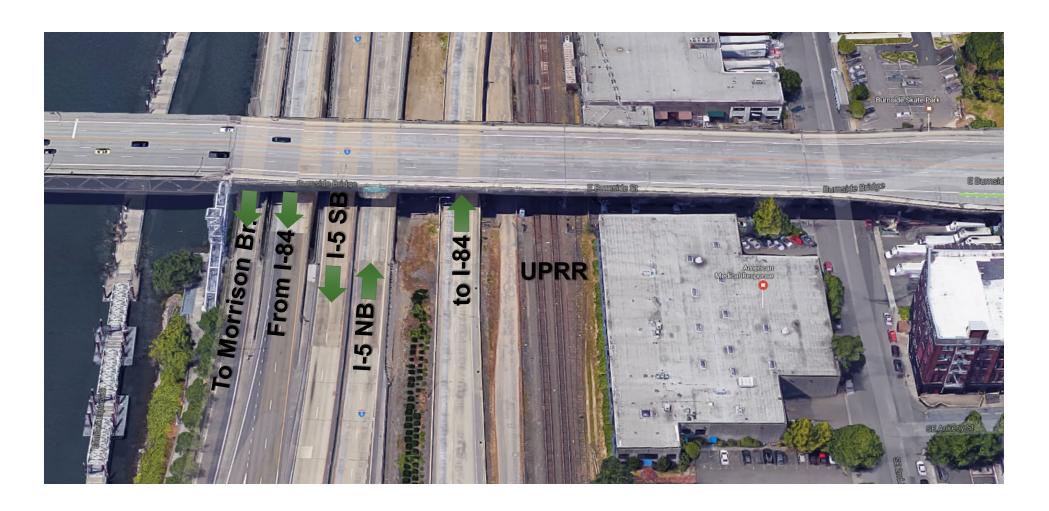








11. I-5 and I-84 Freeway / Union Pacific Railroad (aerial view)

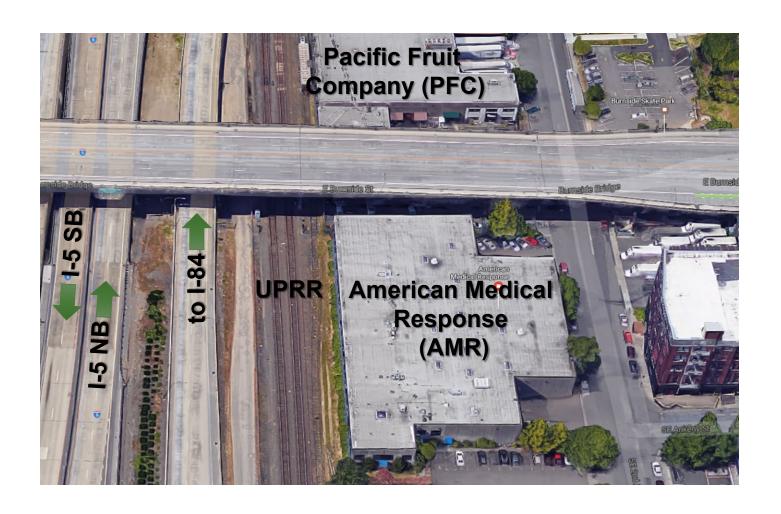


11. I-5 and I-84 Freeway / Union Pacific Railroad (freeway views)





12. American Medical Response & Pacific Coast Fruit (aerial view)



12. American Medical Response & Pacific Coast Fruit (facing northwest)







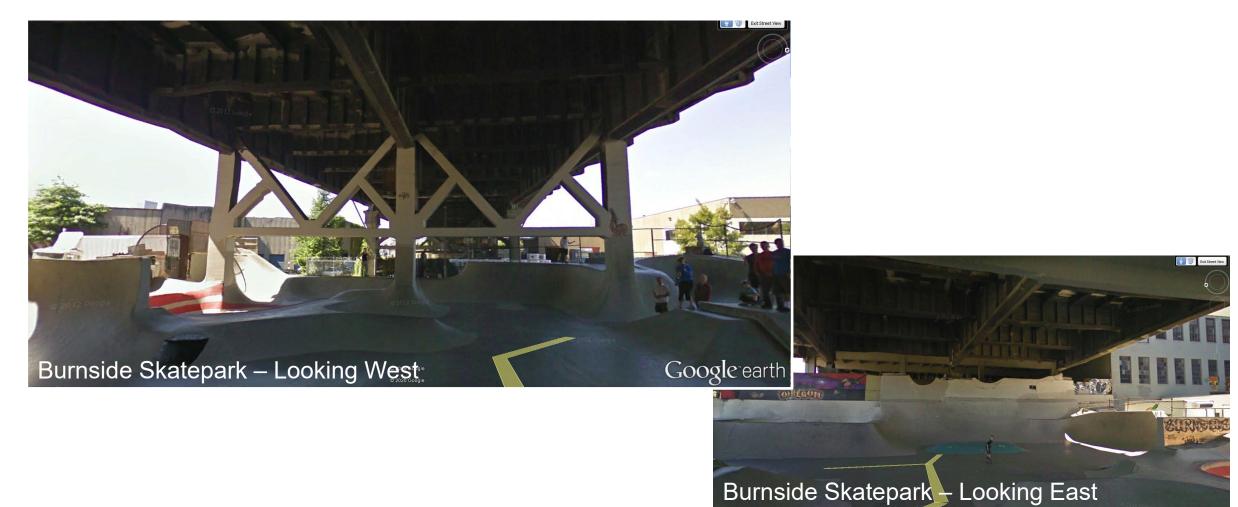
13. Burnside Skatepark







13. Burnside Skatepark

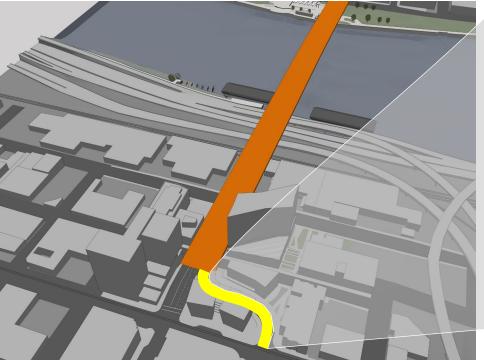


14. East Bridgehead



14. East Bridgehead

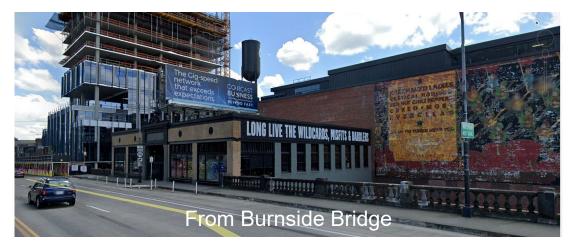








15. Old Town Storage Building



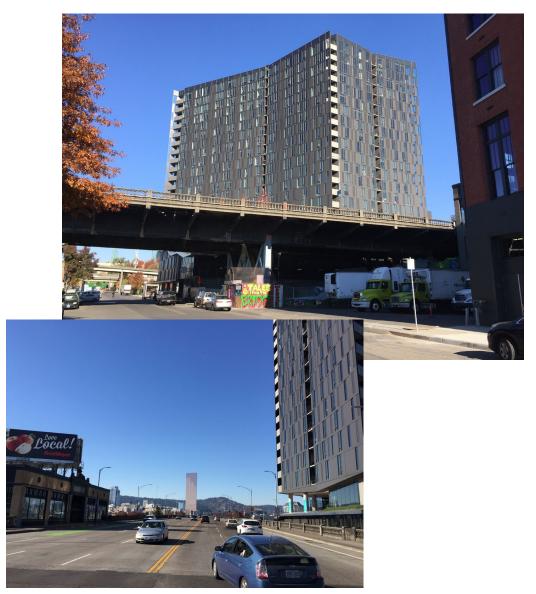






16. The Yard Building





17. 5 MLK Building



Image by Jonas Viehdorfer, 2022

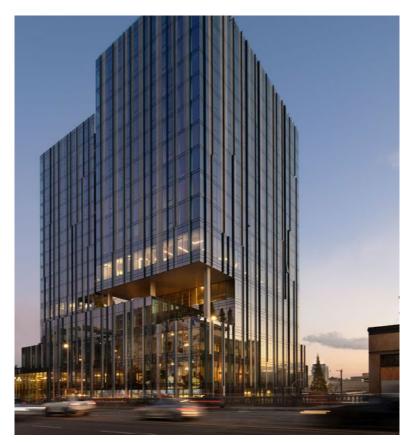
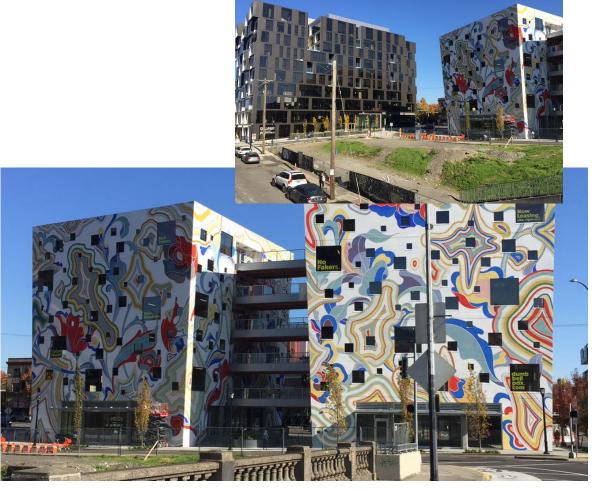
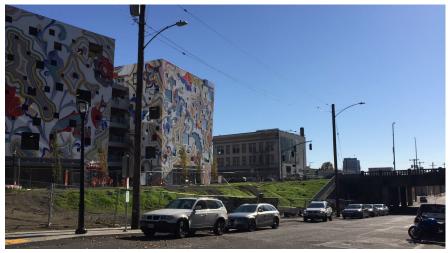


Image by 5 MLK

18. Fair-haired Dumbbell Building



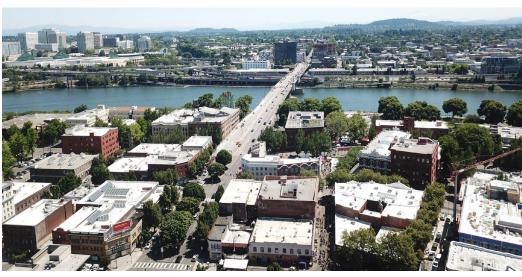




19. Slate Building







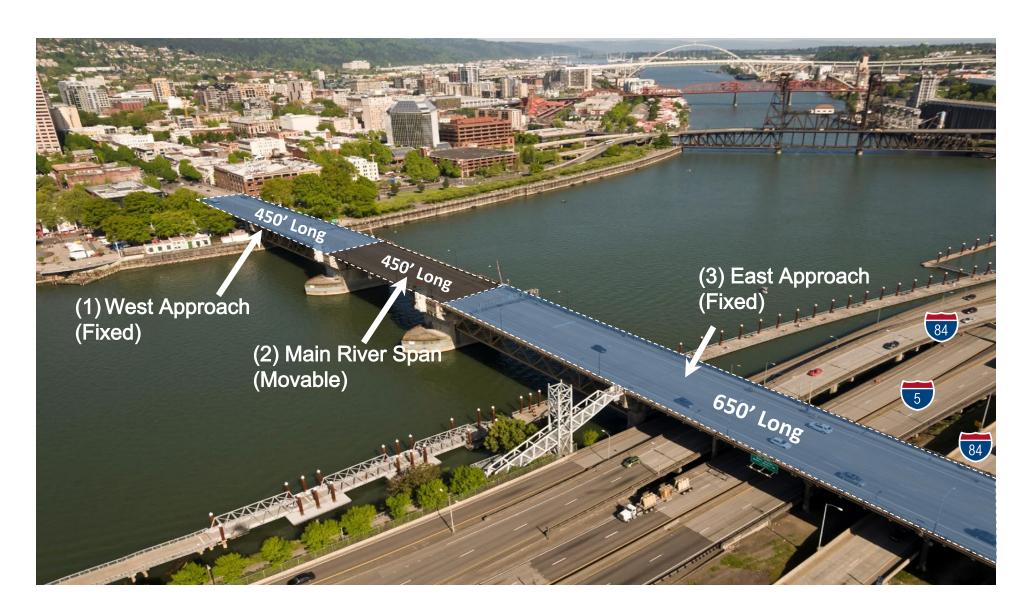


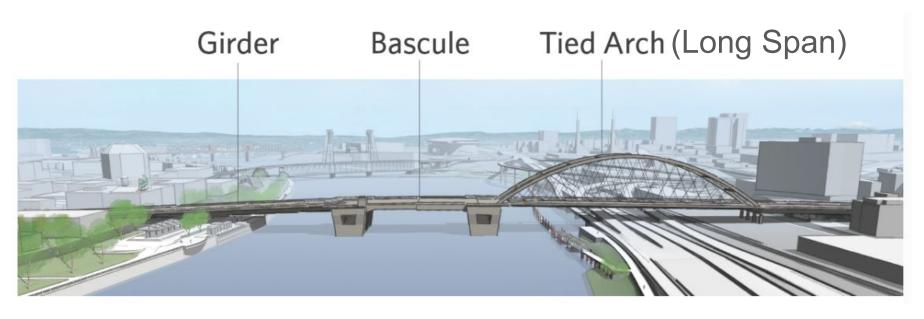




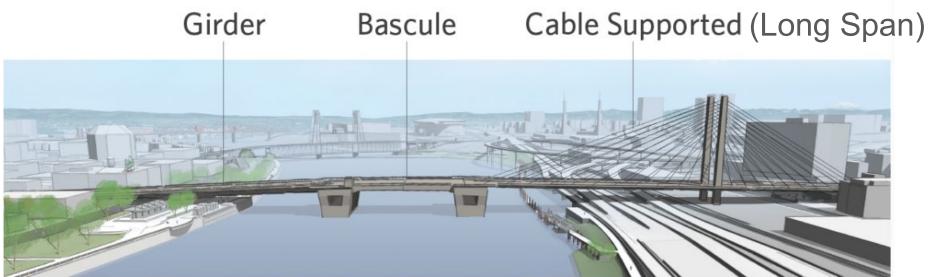
PREFERRED ALTERNATIVE







OR



Bridge Types Considered for West and East Approaches





Cable Supported



Truss





Fremont Bridge

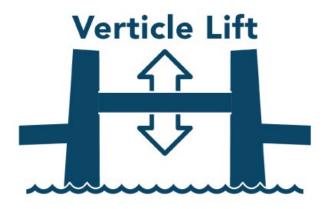


Tilikum Bridge



Hawthorne Bridge

Bridge Types Considered for Movable Span











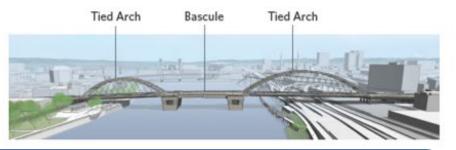
Burnside Bridge

Bridge Types Considered

Option 1 - Tied Arch

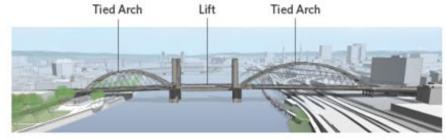
Option 1A

Tied Arch with Bascule



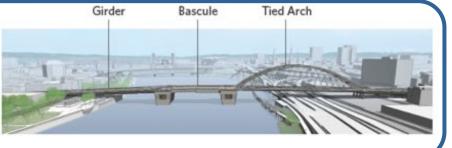
Option 1C

Tied Arch with Lift



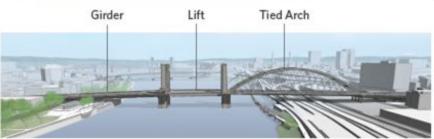
Option 1B

Tied Arch with Bascule and West Girder



Option 1D

Tied Arch with Lift and West Girder



Bridge Types Considered

Option 2 - Cable Supported

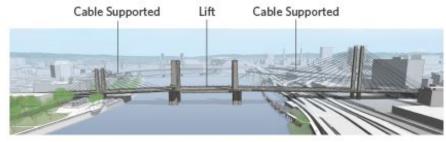
Option 2A

Cable Supported with Bascule



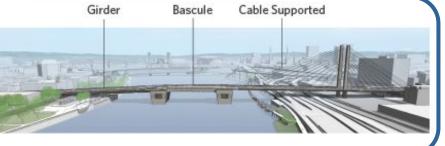
Option 2C

Cable Supported with Lift



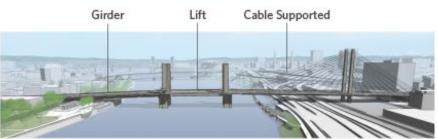
Option 2B

Cable Supported with Bascule and West Girder



Option 2D

Cable Supported with Lift and West Girder

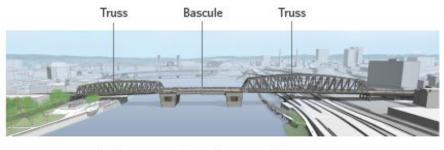


Bridge Types Considered

Option 3 - Truss

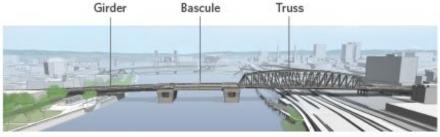
Option 3A

Truss with Bascule



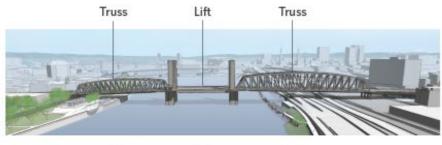
Option 3B

Truss with Bascule and West Girder



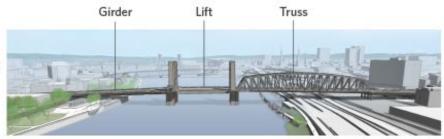
Option 3C

Truss with Lift



Option 3D

Truss with Lift and West Girder



Not Advanced



Basis of Preferred Alt:

- Revised initial Girder concept to provide higher vertical clearance and more open views in Waterfront Park
- Provides highest cost savings of the options studied
- Meets permitting requirements and has least environmental impacts. Has support from key stakeholder groups



National Parks Service / FHWA (Section 106 / Section 4(f) Requirements):

Above deck elements in the West Approach create an Adverse Effect on the Skidmore / Old Town Historic District that is avoided with a girder concept

Historic Landmarks Commission / Design Commission:

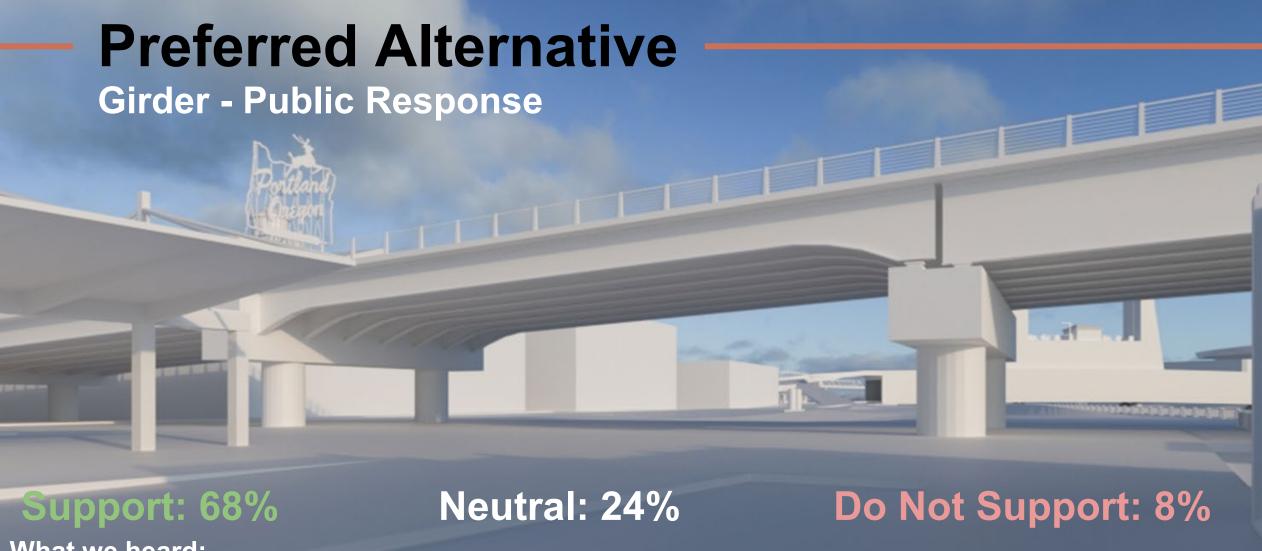
- Due to visual impacts to historic districts, Girder-styled west approach option **best** meets zoning code and historic guidelines
- Preference for "observable asymmetry" due to distinct differences in urban fabric on west and east sides

These Historic Landmarks Commission and Design Commission comments are intended to guide yo in further design exploration of your project. These comments may also inform City staff when giving uidance over the course of future related land use reviews. It should be understood that these comments address the project as presented on March 4, 2021. As the project design evolves, the

Design Advice Requests are not intended to substitute for other Code-required land use or legislatirocedures. Please keep in mind that the formal Type 3 and Type 4 land use review process [which ncludes a land use review application, public notification and a Final Decision) must be followed once

Please continue to coordinate with me as you prepare your future Land Use Review Application

FROM CONCEPT TO CONSTRUCTION



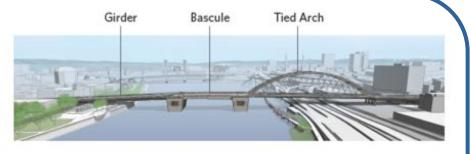
What we heard:

- Strong support for how girder option preserves views
- Support for girder to save cost
- Support for girder to retain similar look and feel of current bridge

Bascule

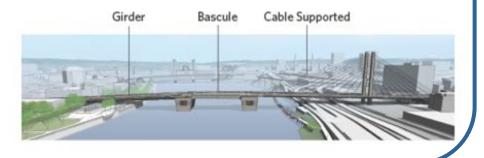
Option 1B

Tied Arch with Bascule and West Girder



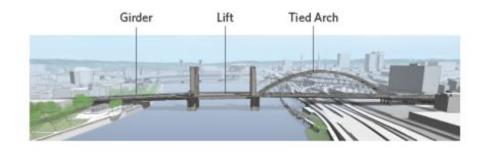
Option 2B

Cable Supported with Bascule and West Girder



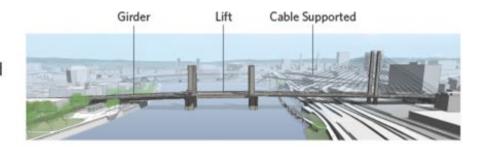
Option 1D

Tied Arch with Lift and West Girder



Option 2D

Cable Supported with Lift and West Girder







Basis of Preferred Alt:

- Meets permitting requirements and has least environmental impacts
- Provides highest cost savings of the options studied
- Has support from key stakeholder groups

Bascule - Public Response





Support: 80%

Neutral: 17%

Do Not Support: 3%

What we heard:

- Strong preference for bascule design over vertical lift
- Strong interest in preserving open views
- Interest in saving project costs

Replacement Long-span Bridge



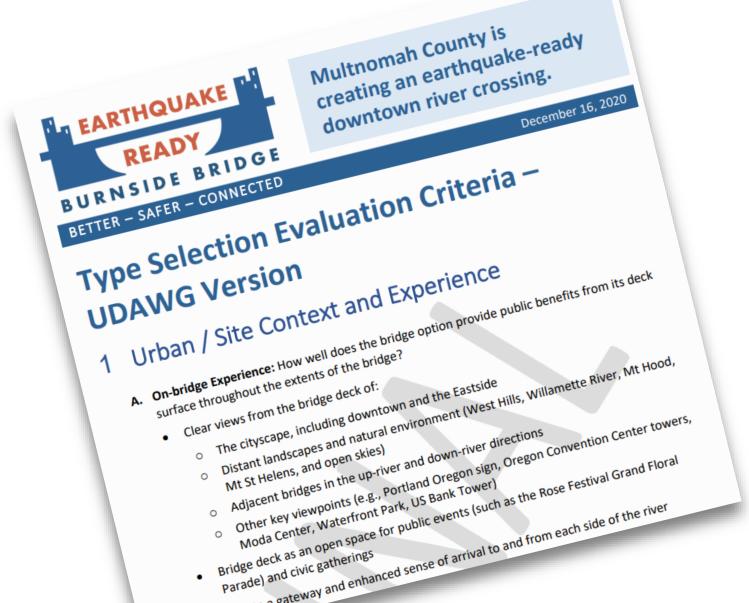




with Cable Supported for eastside long span

Draft Evaluation Criteria Review







1. Urban / Site Context and Experience

- A) On-bridge Experience
- B) Below Bridge Experience
- C) Urban Context with Surroundings
- D) Pedestrian and Cyclist Connectivity



2. Visual and Aesthetics of the Bridge

- A) Bridge Visual Coherence
- B) Bridge Form and Style
- C) Bridge Aspirations and Design Flexibility



3. Cost and Construction Impacts to Users

- A) Total Project Cost
- B) Long Term Costs
- C) Construction Impacts



Urban / Site Context and Experience

1C. Urban Context with Surroundings: How well does the bridge option's **scale and form** respond to the scale and **character of surrounding neighborhoods**, buildings, parks, and historic districts while being distinctive?

Surroundings include:

- Old Town/Chinatown and Downtown neighborhoods, including the Skidmore / Old Town Historic District (75 ft. height limit) and the west bridgehead buildings and physical infrastructure shapes, scale, textures, and colors
- Kerns and Buckman neighborhoods and Central Eastside Industrial District (250 ft. height limit), including the east bridgehead buildings and physical infrastructure shapes, scale, textures, and colors
- Other bridges up-river and down-river



Urban / Site Context and Experience

1B. Below-bridge Experience: How well does the bridge option respond to **public spaces**, **transportation**, **and land uses** within parks and natural environments under or adjacent to the bridge?

- Column locations that improve personal safety by providing adequate sightlines and clearances below the bridge
- Ability to further activate and enhance the under-bridge space within Waterfront Park for community events and other activities (e.g., Portland Saturday Market, Bridgetown Nightstrike, etc), including lighting, materials, and detailing
- Maximize the open space and vertical clearance to create an "urban roof" that enhances the under-bridge experience





Urban / Site Context and Experience

1B. Below-bridge Experience: How well does the bridge option respond to **public spaces**, **transportation**, **and land uses** within parks and natural environments under or adjacent to the bridge?

- Preserve the integrity of park features such as the Japanese American Historical Plaza, Ankeny Plaza, Bill Naito Legacy Fountain, Better Naito Forever, Vera Katz Eastbank Esplanade, Burnside Skatepark, and Tom McCall Waterfront Park and its existing trees
- Ability to enhance the under-bridge space at Skidmore Fountain Max Station, including lighting, materials, and detailing
- Visually open connectivity with the river in the space beneath the bridge





Urban / Site Context and Experience

1A. On-bridge Experience: How well does the bridge option provide **public benefits from its deck surface** throughout the extents of the bridge?

- Clear views from the bridge deck of: the cityscape, distant landscapes and natural environment, adjacent bridges up-river and down-river, and other key viewpoints (Portland Oregon sign, convention center towers, Moda Center, Waterfront park, US Bank Tower, etc)
- Bridge deck as an open space for public events (such as Rose Festival Grand Floral Parade) and civic gatherings
- Create a gateway and enhanced sense of arrival to and from each side of the river





Urban / Site Context and Experience

1A. On-bridge Experience: How well does the bridge option provide **public benefits from its deck surface** throughout the extents of the bridge?

These related elements are likely common to all options; not expected to differentiate one bridge type from another:

- Intuitive ability to understand wayfinding, mode split, location of overlooks and connections without
 excessive clutter that detracts from the bridge design
- Ability to provide river overlooks for users to stop and enjoy the adjacent scenery





Urban / Site Context and Experience

These related elements are likely common to all options; not expected to differentiate one bridge type from another:

1D. Pedestrian and Cyclist Connectivity: How well does the bridge ensure that safe and accessible pedestrian and bike connections will be made down to grade?

- This considers the:
 - o Americans with Disabilities Act and Universal Design concepts
 - o West bridge deck to Waterfront Park, Naito Parkway, SW/NW 1st and 2nd Avenues
 - o East bridge deck to surrounding local streets and pedestrian open spaces, and the Vera Katz Eastbank



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Visual and Aesthetics of the Bridge

2A. Bridge Visual Coherence: How well does the bridge option's composition create **visual balance, unity, and flow** from key viewpoints above, along, under, and away from the bridge?

This includes viewpoints from the:

- Willamette River
- Waterfront Park
- Eastbank Esplanade
- I-5 / I-84 users

- Bridgehead buildings
- High-rise buildings
- Surrounding bridges





Visual and Aesthetics of the Bridge

2B. Bridge Form and Style: How well does the bridge option **acknowledge the historic surroundings** while presenting a seismically-resilient, **contemporary design aesthetic** that sets the tone for future urban development and growth throughout its 100-year design life?

This includes the bridge's ability to:

- Balance the qualities of openness and transparency (i.e., minimizing the massing) while conveying a sense of seismic stability and reliability
- Ensure overall design coherence of fixed and movable bridge spans; reflecting proportions and scale that feel balanced amongst the various structural elements
- Reflect the distinctive setting of each side of the river, considering buildings, parks and infrastructure
- Reflect best practices in technologies, materials, engineering, and architectural design that represent the era in which the bridge is designed and constructed, including potentials for exposing/expressing the movable bridge mechanisms



Visual and Aesthetics of the Bridge

2B. Bridge Form and Style: How well does the bridge option **acknowledge the historic surroundings** while presenting a seismically-resilient, **contemporary design aesthetic** that sets the tone for future urban development and growth throughout its 100-year design life?

This includes the bridge's ability to:

- Honor Portland's moniker as a "City of Bridges" and the bridge's unique location at the center of the City quadrants
- Provide opportunity for memorable, distinctive lighting for nighttime viewing while adhering to "dark skies" principles
- Ensure the bridge pier's massing and scale is proportional to the river; minimizing its overall "touch" and impact in light of its location in the bend of the river



Visual and Aesthetics of the Bridge

2B. Bridge Form and Style: How well does the bridge option **acknowledge the historic surroundings** while presenting a seismically-resilient, **contemporary design aesthetic** that sets the tone for future urban development and growth throughout its 100-year design life?

This related element is common to all options; not expected to differentiate one bridge type from another:

Reflect Portland's transportation values of bicycle and pedestrian safety and accessibility



DO

Visual and Aesthetics of the Bridge

2C. Bridge Aspirations and Design Flexibility: How well does the bridge option allow **flexibility** for engineering and architectural features, as well as **adaptability** of the bridge **for future user needs**?

This includes the bridge's potential to:

- Express Portland values and aspirations for inclusiveness, resiliency, accessibility, creative expression, vitality, and sustainability
- Become an identifiable beacon of safety; a landmark and destination within the city during the day and after dark
- Convey a sense of being in the center of the city, at the intersection of north and south, east and west quadrants





Visual and Aesthetics of the Bridge

2C. Bridge Aspirations and Design Flexibility: How well does the bridge option allow flexibility for engineering and architectural features, as well as adaptability of the bridge for future user needs?

This includes the bridge's potential to:

- Provide tactile, human-scale features with close proximity of pedestrian views and touch, including overlooks
- Enable a wide range of **complementary secondary design features** that are cohesive with the overall bridge design (e.g., operator's house, multi-use path connections, streetcar elements, overlooks, etc.)
- Accommodate varied river uses and water-level changes
- Minimize effects on natural resources such as wildlife, fisheries, and shoreline / shallowwater habitat



Visual and Aesthetics of the Bridge

2C. Bridge Aspirations and Design Flexibility: How well does the bridge option allow flexibility for engineering and architectural features, as well as adaptability of the bridge for future user needs?

These related elements that are likely common to all options; not expected to be differentiating one bridge type from another:

- o Reduce **noise impacts** to bridge users generated by on-bridge and adjacent freeway traffic
- Implement sustainable and equitable design principles during the Final Design phase





Cost and Construction Impacts to Users

3A. Total Project Cost: How well does the bridge option minimize the Project's total direct cost? This includes:

- Construction costs, including the influence of constructability over and around existing transportation infrastructure, the Willamette River, adjacent buildings, and utilities
- Permanent and temporary right of way acquisition costs
- Utility relocation and protection costs
- Pre-construction design phase costs
- Permitting and environmental mitigation costs
- Construction inspection and engineering support costs





Cost and Construction Impacts to Users

3B. Long Term Costs: How well does the bridge option support post-construction needs while minimizing long-term costs?

This includes reducing the:

- Direct cost of bridge operations and inspections
- Direct cost for routine maintenance and rehabilitation improvements (e.g., movable bridge repairs, deck wearing surface rehabilitation, re-painting, lighting maintenance, structural upgrades, etc)
- Direct costs for bridge repairs following major events (e.g., major earthquake, major flood, vessel collisions, civic unrest, fires, etc)
- Direct cost for potential bridge use changes (e.g., adding Streetcar equipment, systems, and armatures onto the bridge; adding more bicycle/pedestrian space; adjusting for future lane uses; etc)



Cost and Construction Impacts to Users

3C. Construction Impacts: How well does the bridge option minimize impacts to the traveling public and surrounding property owners and tenants during construction?

This includes, during construction, minimizing:

- Detour durations for bridge users
- Detour durations for bicyclists and pedestrians using Waterfront Park and the Vera Katz Eastbank Esplanade
- Temporary property impacts
- Utility service disruptions



PUBLIC COMMENT



Public Comment



- State your first and last name
- Speak clearly and concisely
- Limit your comment to three minutes

If you have questions that you would like a response to, please submit them to burnside bridge@multco.us

Next Steps & Closing Remarks

Upcoming CDAG Meetings:

- Thursday, November 16, 6-8 p.m. (in-person)
- Additional Meeting (as needed): December or January, TBD

Homework

- Criteria Review come to next meeting with ideas about criteria refinements
- Reminder: Complete the Advisory Board Training video by the next meeting



Thank you!

