



Welcome



Community Design Advisory Group Meeting #11

Multnomah County Department of Community
Services Transportation Division

November 21, 2024

*All CDAG meetings are live-streamed,
recorded and available to the public.*



Agenda

1. Welcome & Opening Remarks
2. Introductions & Housekeeping
3. CDAG Workplan Update
4. Design Progress
5. Introduction to Bridge Lighting
6. Public Comment Period
7. Eastbank Esplanade Update
8. Next Steps & Closing Remarks



The background is a blue-tinted photograph of a city skyline. In the foreground, a large bridge with a complex steel truss structure spans across a wide river. The city buildings in the background are of various heights and styles, with some construction cranes visible. The overall scene is captured in a monochromatic blue color scheme.

Housekeeping

Virtual Participation Tips

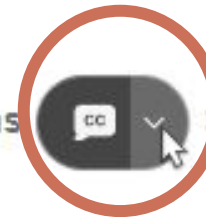
Closed captions in English are available in Webex and YouTube

1. In the bottom menu select "CC" or "closed captioning"
2. Select "view captioning and highlights"

Submit questions for response to burnsidebridge@multco.us



Closed caption options



View captions and highlights.

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.



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

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.**

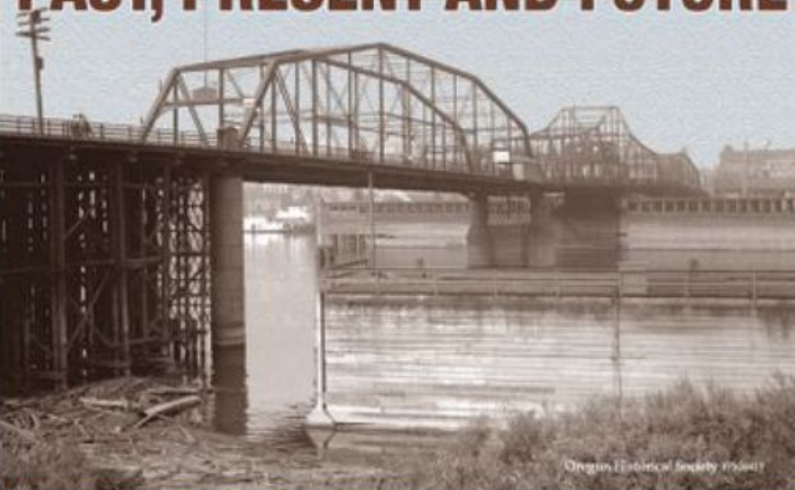
Introductions & Roll Call

- **Aaron Whelton**, *Portland State University*
- **Anthony Jackson**, *Community Member*
- **Brian P. Kimura**, *Japanese American Museum of Oregon*
- **Carol Gossett**, *Oregon Museum of Science & Industry*
- **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**, *Community Member*
- **Robert Hastings**, *Willamette Light Brigade*
- **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*

An aerial photograph of a city bridge spanning a river, with a blue overlay. The bridge has a prominent tower in the center. In the background, a city skyline with various buildings is visible. The text 'Engagement Spotlight' is centered over the image in a large, white, sans-serif font.






Engagement Spotlight

McMenamins and Oregon Historical Society present
HISTORY PUB
BURNSIDE BRIDGE:
PAST, PRESENT AND FUTURE




presented by
SHARON WOOD WORTMAN
Monday, October 28, 2024
McMenamins Kennedy School Theater
7pm/doors 6pm • \$5 advance/\$6 doors • All ages welcome

Travel through the history of the Burnside Bridge from 1894 to the present with historian Sharon Wood Wortman, author of *The Portland Bridge Book*, and find out Multnomah County's plans for rebuilding it to withstand the looming subduction zone earthquake.


 the OREGON HISTORICAL SOCIETY
 5736 NE 33rd Ave. • Portland
mcmnamins.com/history


 McMenamins History
 




*Skate movie premier and live panel
 (photo courtesy of Sean Bascom)*



CDAG Workplan

Remaining CDAG Meetings (fall 2024 to spring 2025)

- November 21, 2024 (today)
- January 23, 2025
- March 2025 (date TBD)
- March/April 2025 (additional meeting if needed)

CDAG Discussion Topics

- West approach
- Tower shaping
- Bridge lighting
- Pier cladding
- Operator house
- Overlooks
- Public spaces under the bridge
- Cable color
- Finish/color
- Bike/ped railing/fencing
- On bridge furnishings

Design Progress



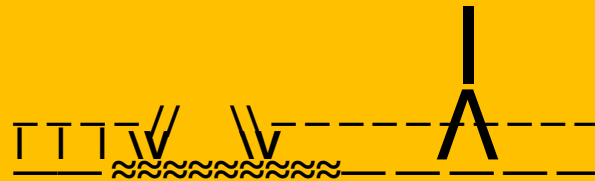
A wide-angle photograph of the Burnside Bridge in Vancouver, Canada, captured at sunset. The bridge's distinctive white pylon and stay cables are visible on the left side. The bridge deck spans across the water, supported by two large, white, trapezoidal piers. The water in the foreground is dark blue with white-capped waves, reflecting the golden light of the setting sun. In the background, modern city buildings and a clear sky with soft clouds are visible. The sun is positioned low on the horizon, creating a bright glow and long shadows.

BEAM architects

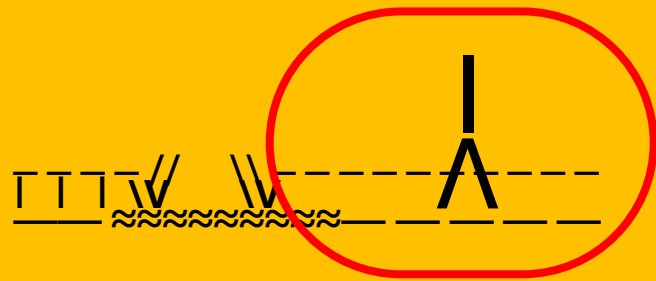
Burnside Bridge

CDAG 21st November 2024

Type Selection Review
Design Continuity
West Bridge
In-water Piers
Tower Geometry



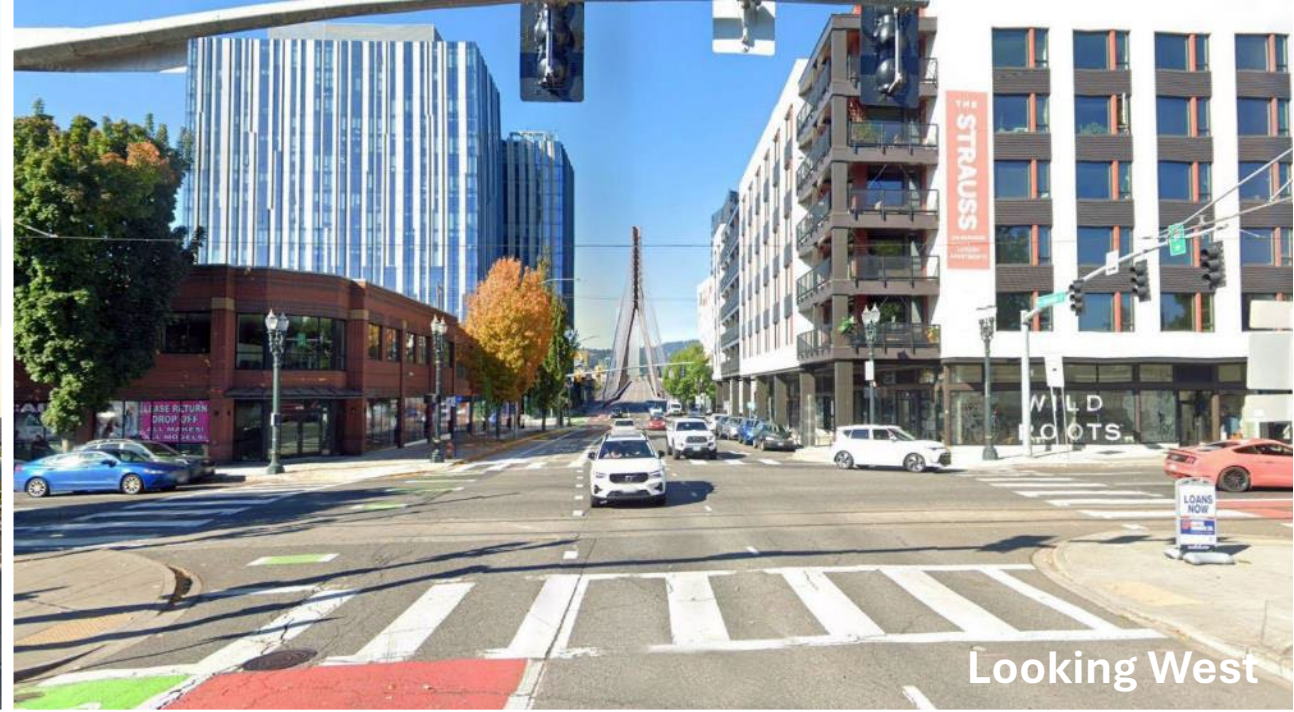
Type Selection Review







Looking East



Looking West



Looking East



Looking West



Looking South



Looking North



Looking NE



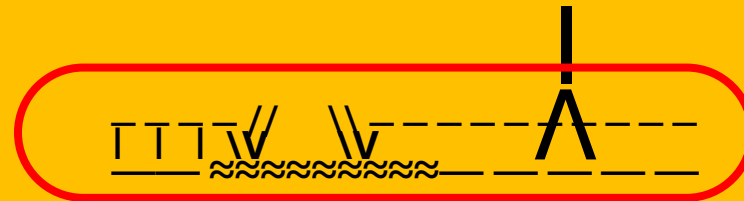
Looking NE



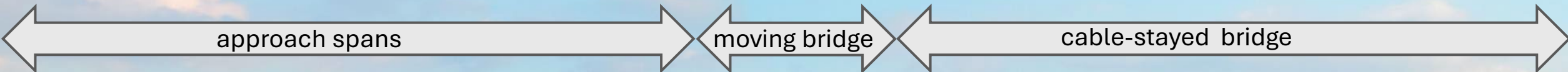




Design Continuity



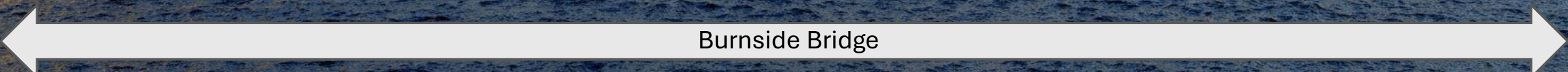
View from Morrison Bridge



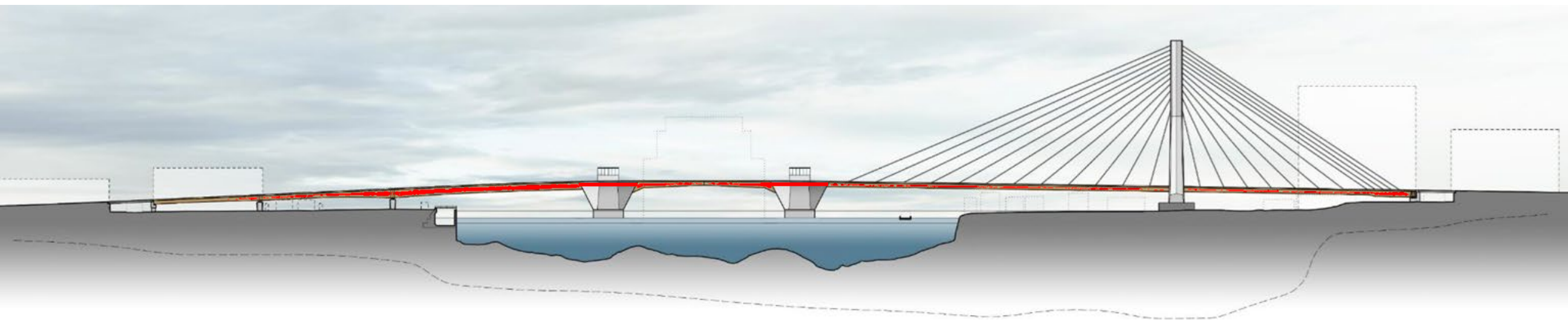
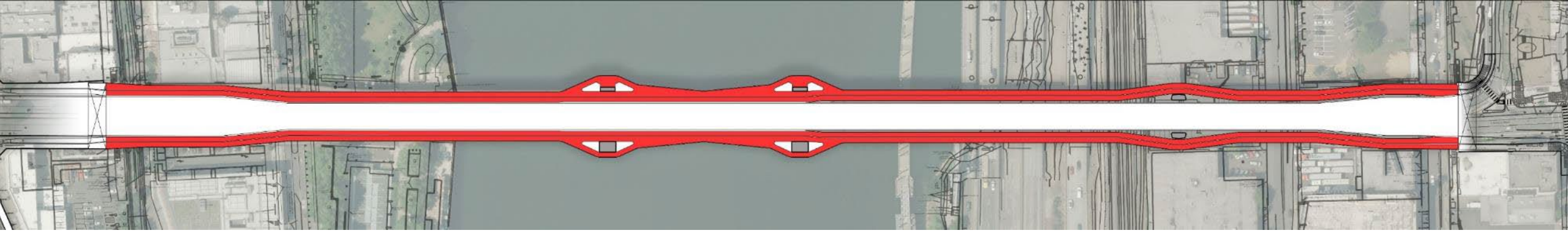
TECHNICAL COMPONENTS



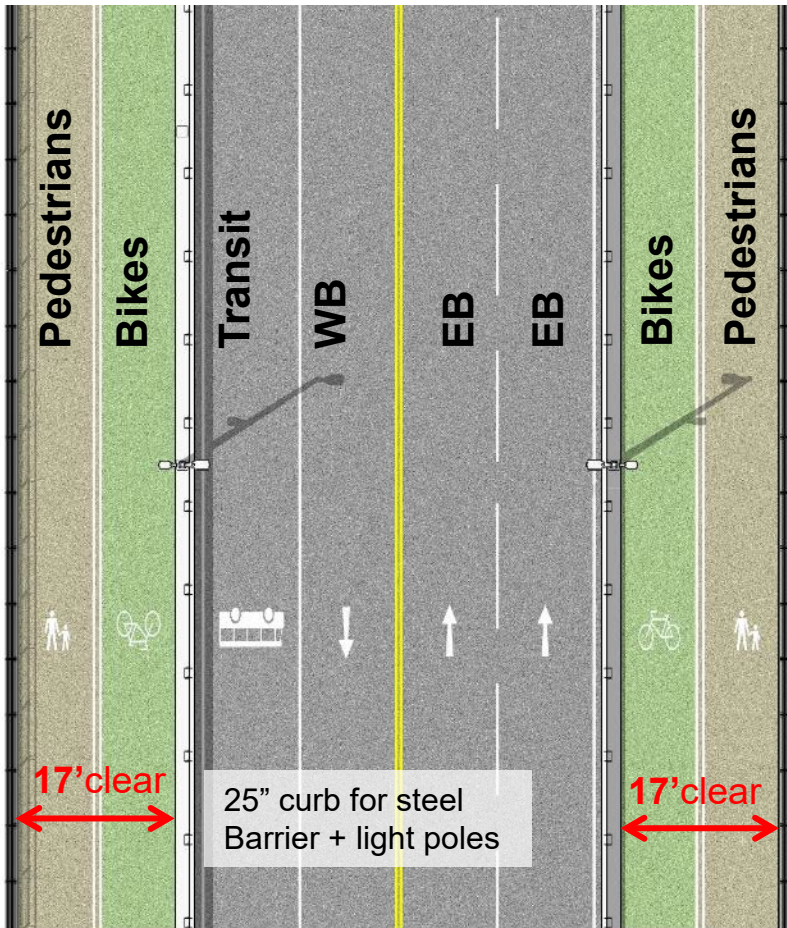
LOCAL PERCEPTIONS

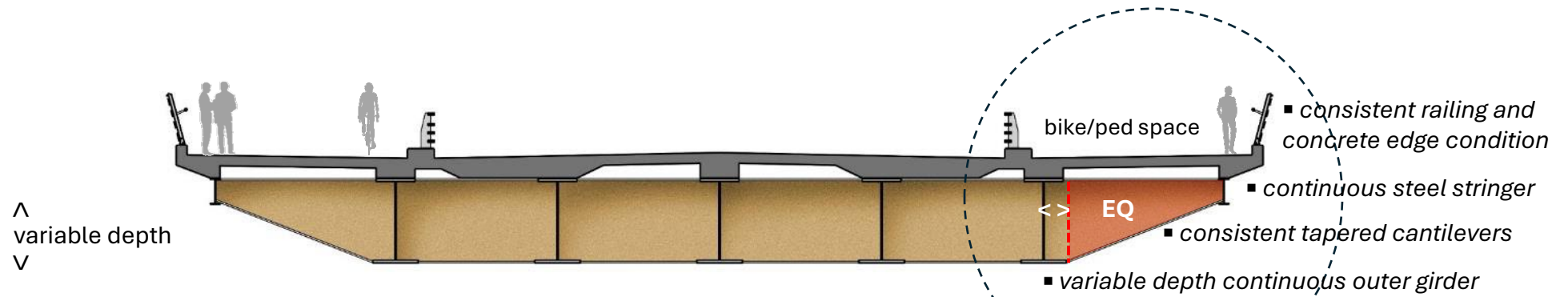


OVERALL EXPERIENCE

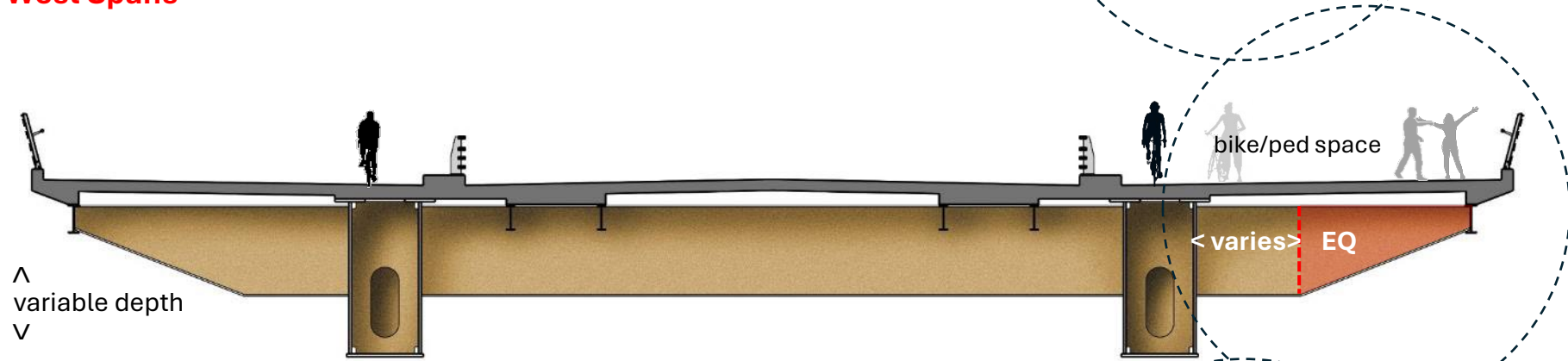




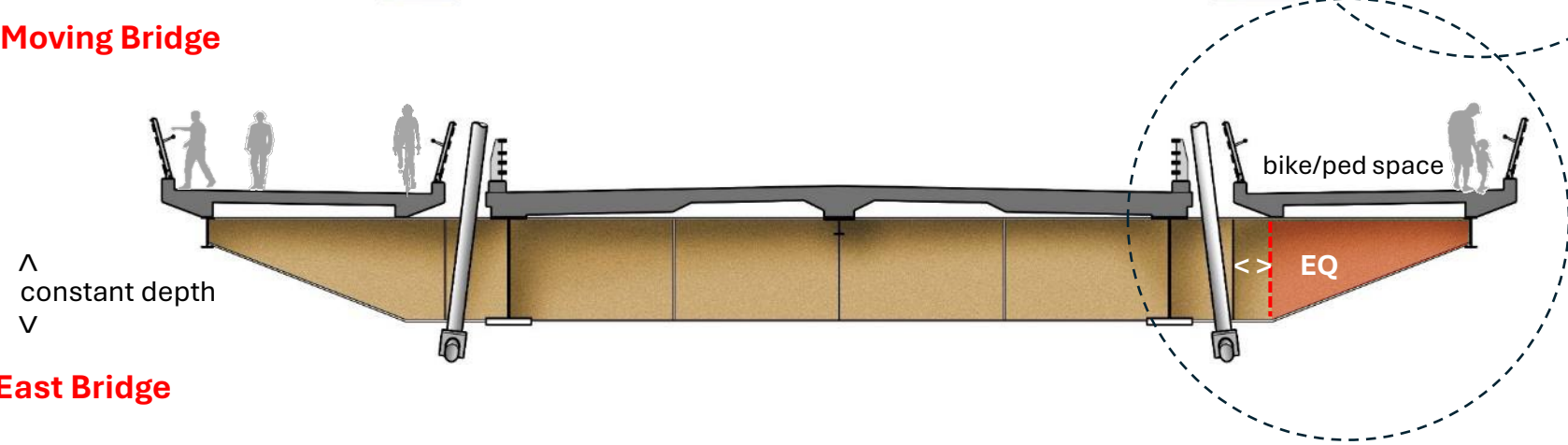




Typical Section **West Spans**



Typical Section **Moving Bridge**



Typical Section **East Bridge**





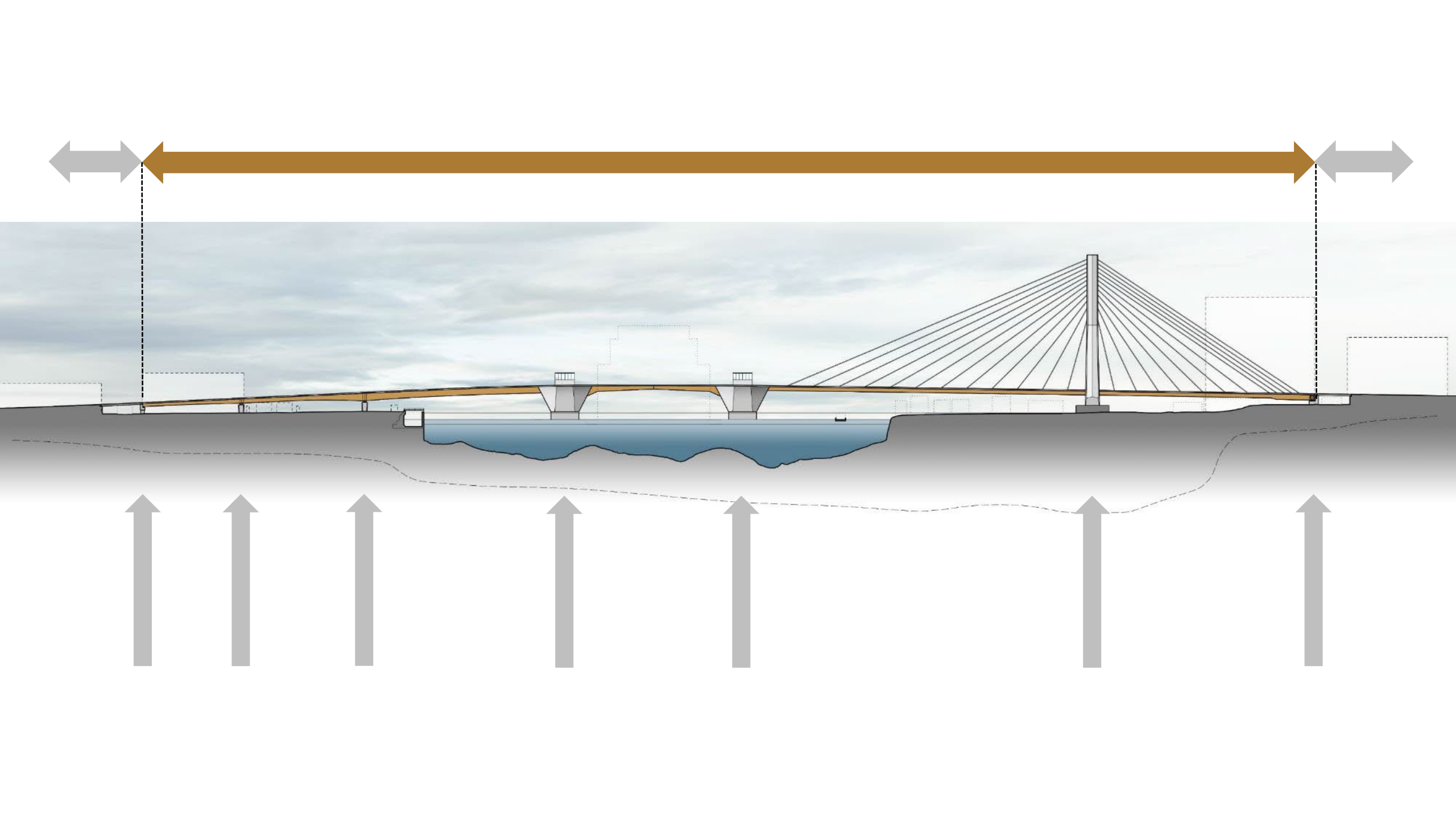
CONCRETE

Vertical Components

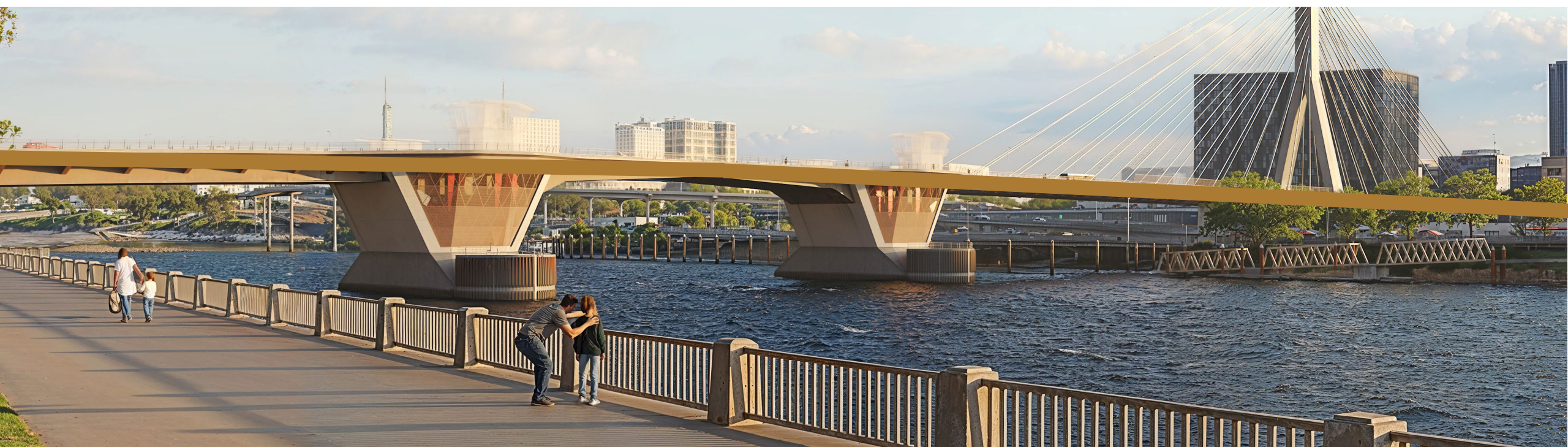


CORTEN

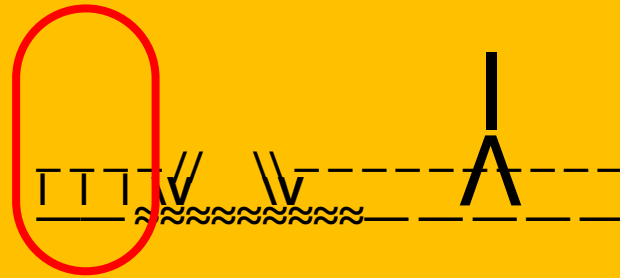
Horizontal Components





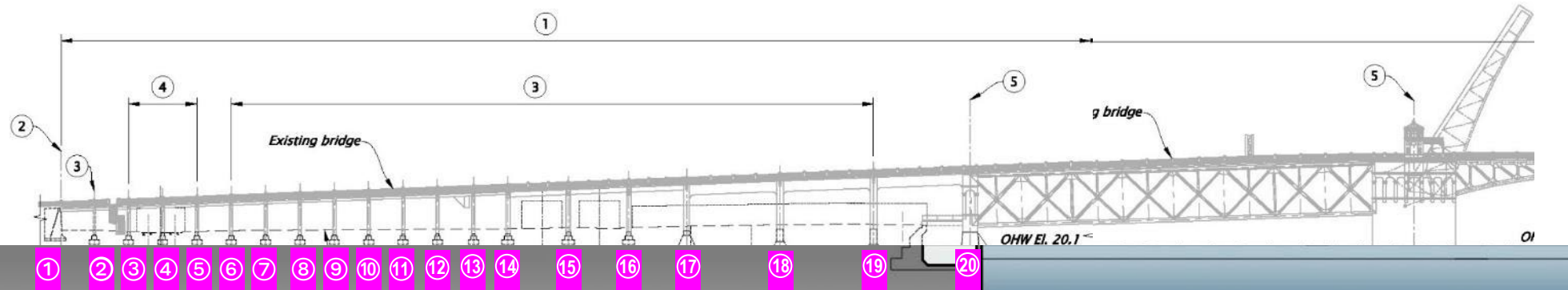


West Bridge

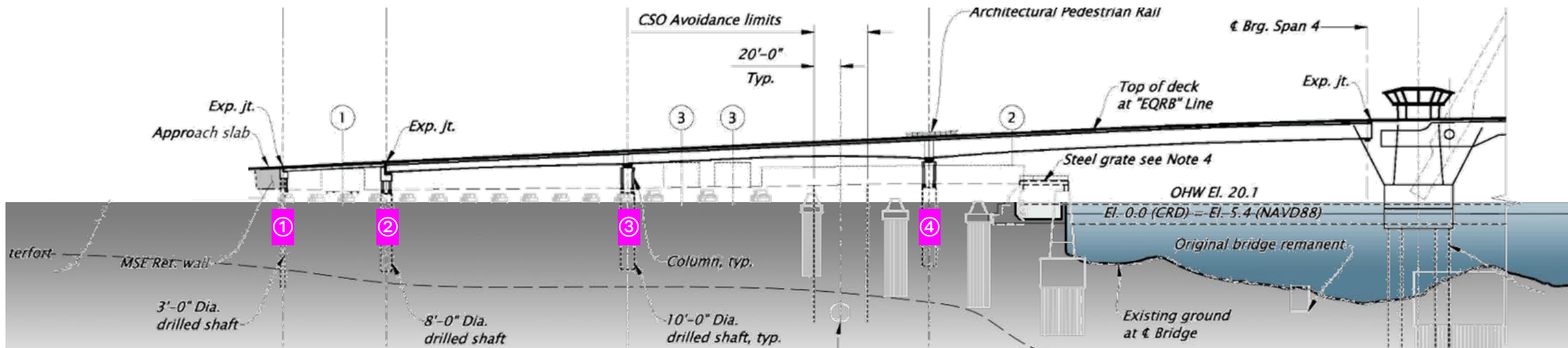




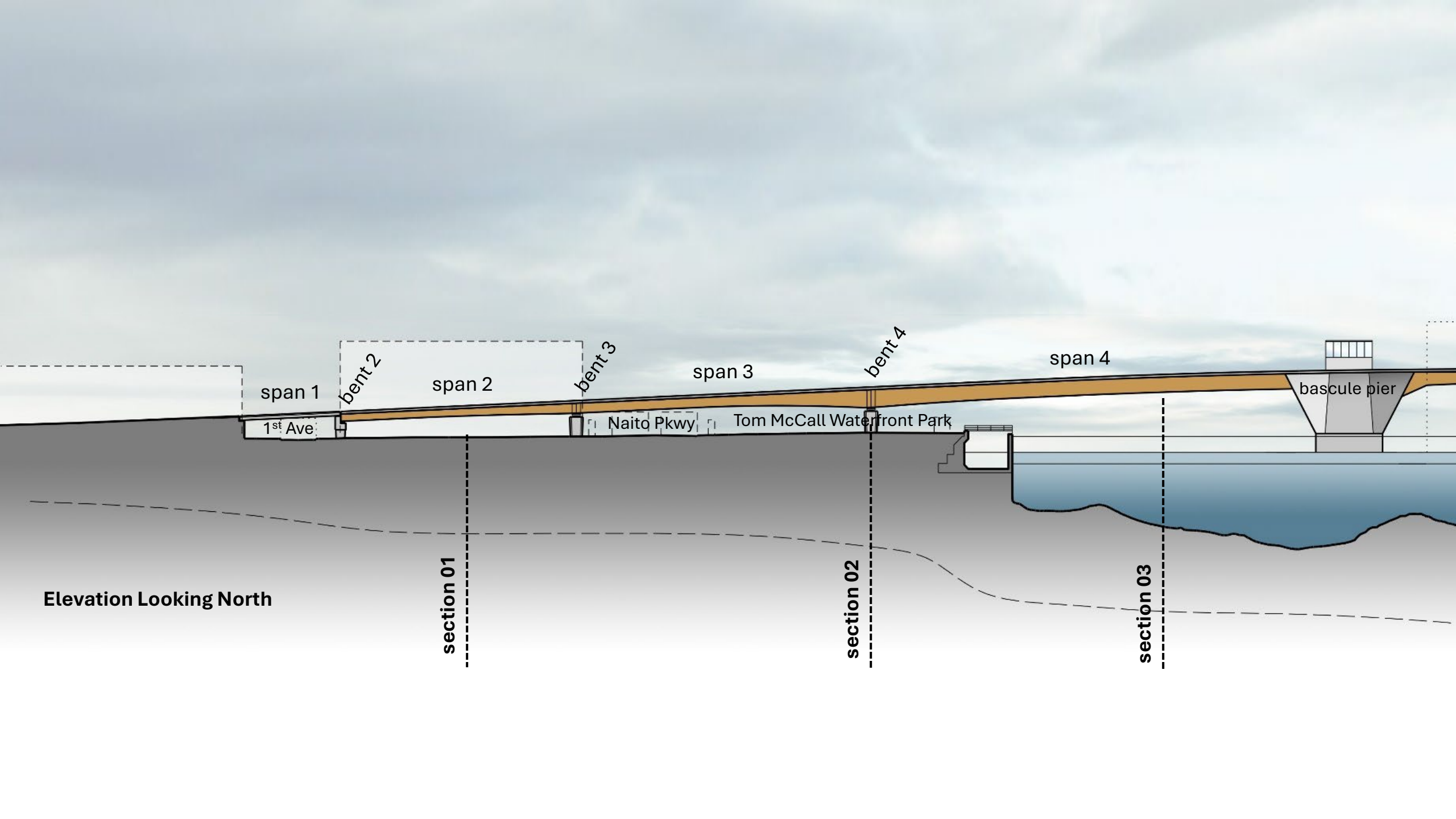




Existing- 19 bents* / 76 columns (*excl. west abutment)



Proposed- 3 bents* / 6 columns (*excl. west abutment)



span 1

bent 2

span 2

bent 3

span 3

bent 4

span 4

bascule pier

1st Ave

Naito Pkwy

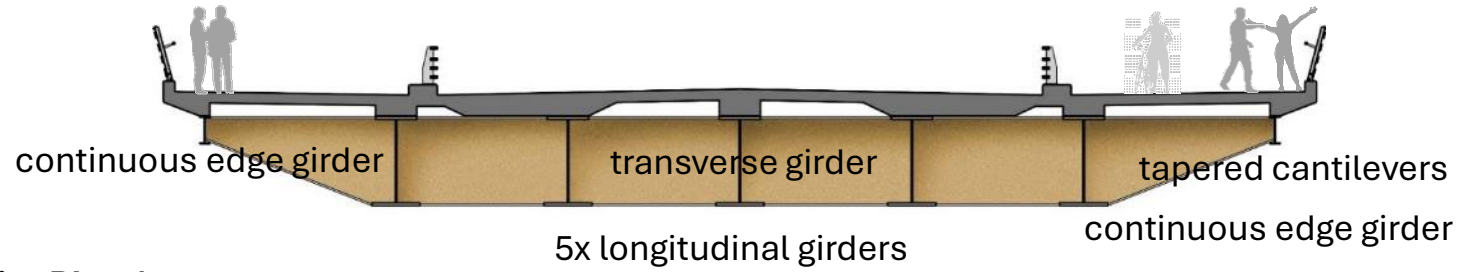
Tom McCall Waterfront Park

Elevation Looking North

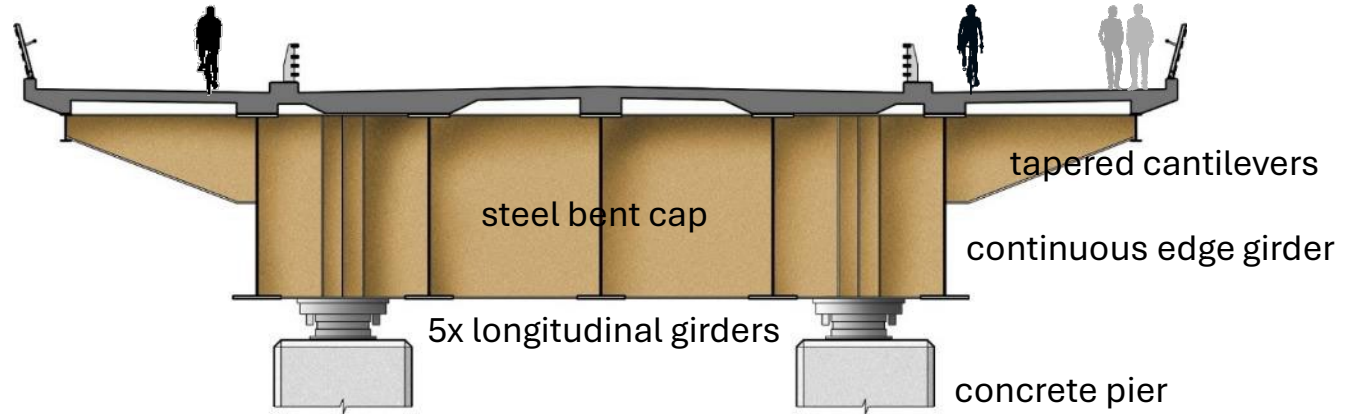
section 01

section 02

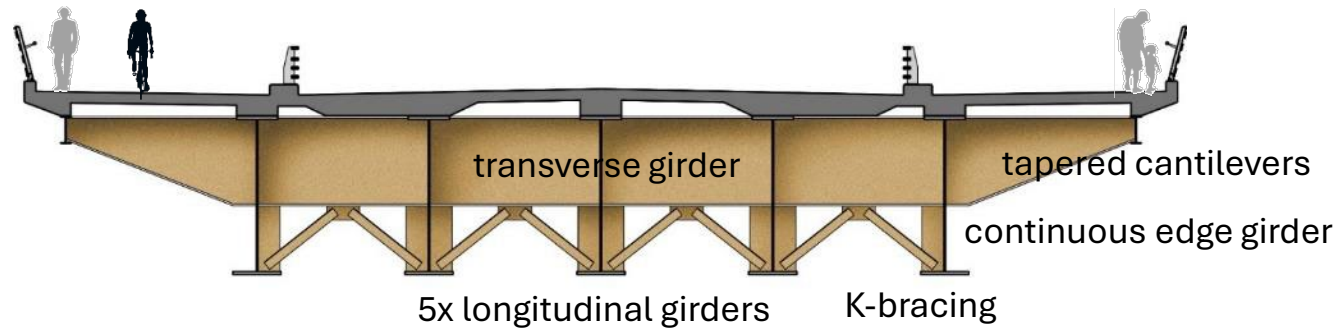
section 03



**01 Section @ Span 2
 (over car park west of Naito Pkwy)**



**02 Section @ Bent 4
 (in Waterfront Park)**



**03 Section @ Span 4
 (over river towards bascule pier)**



EXISTING - View East from SW Naito Pkwy



PROPOSED - View East from SW Naito Pkwy



reduced height

increased openness / E-W continuity

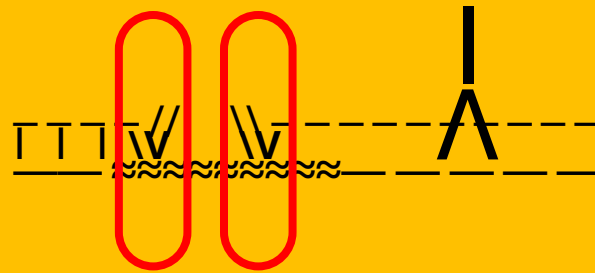


PROPOSED - View North on SW Naito Pkwy



PROPOSED - View North on Tom McCall Waterfront Park

In-water Piers



Morrison North Face



Burnside North Face





1

2

3

4

1

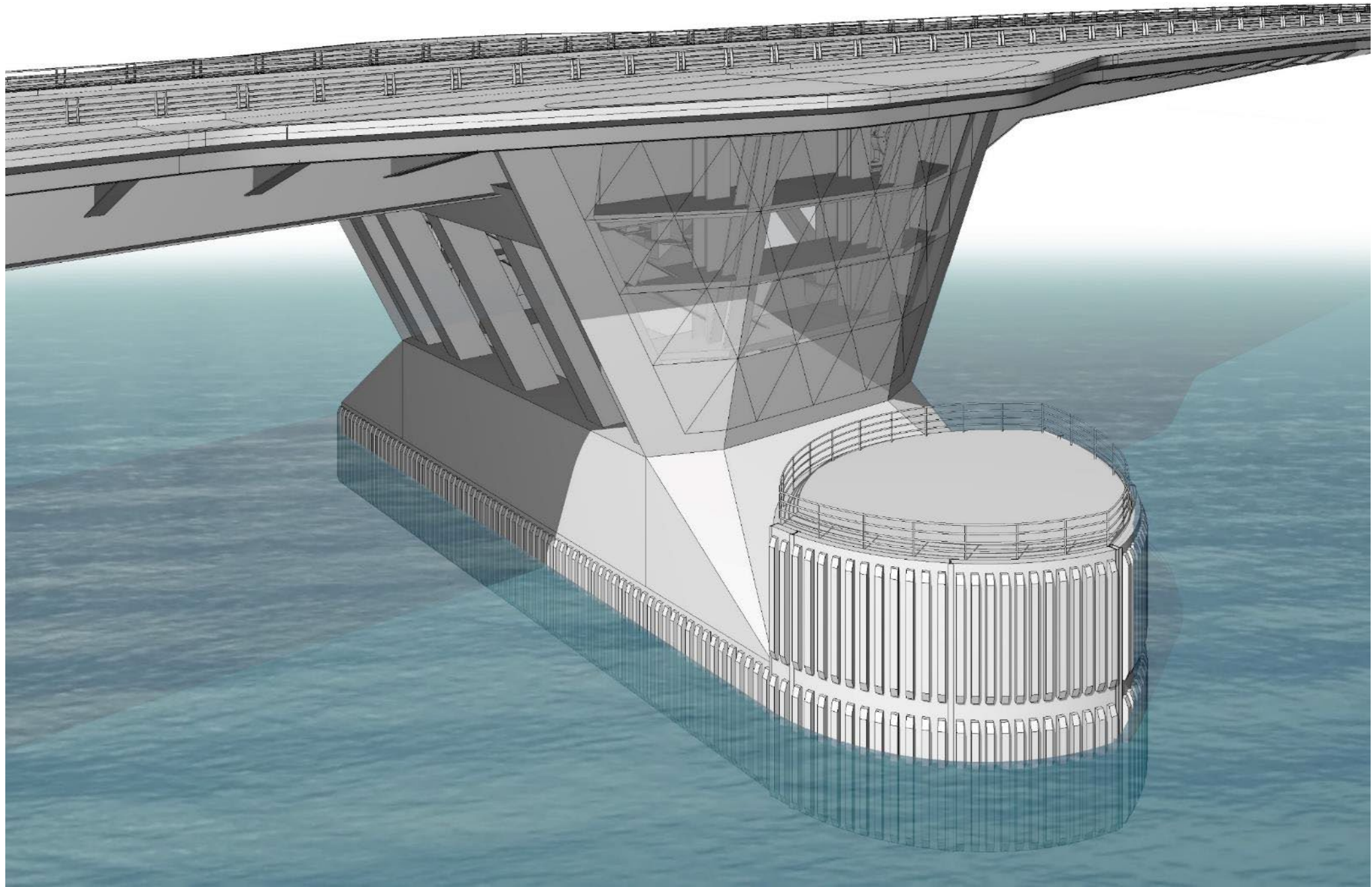
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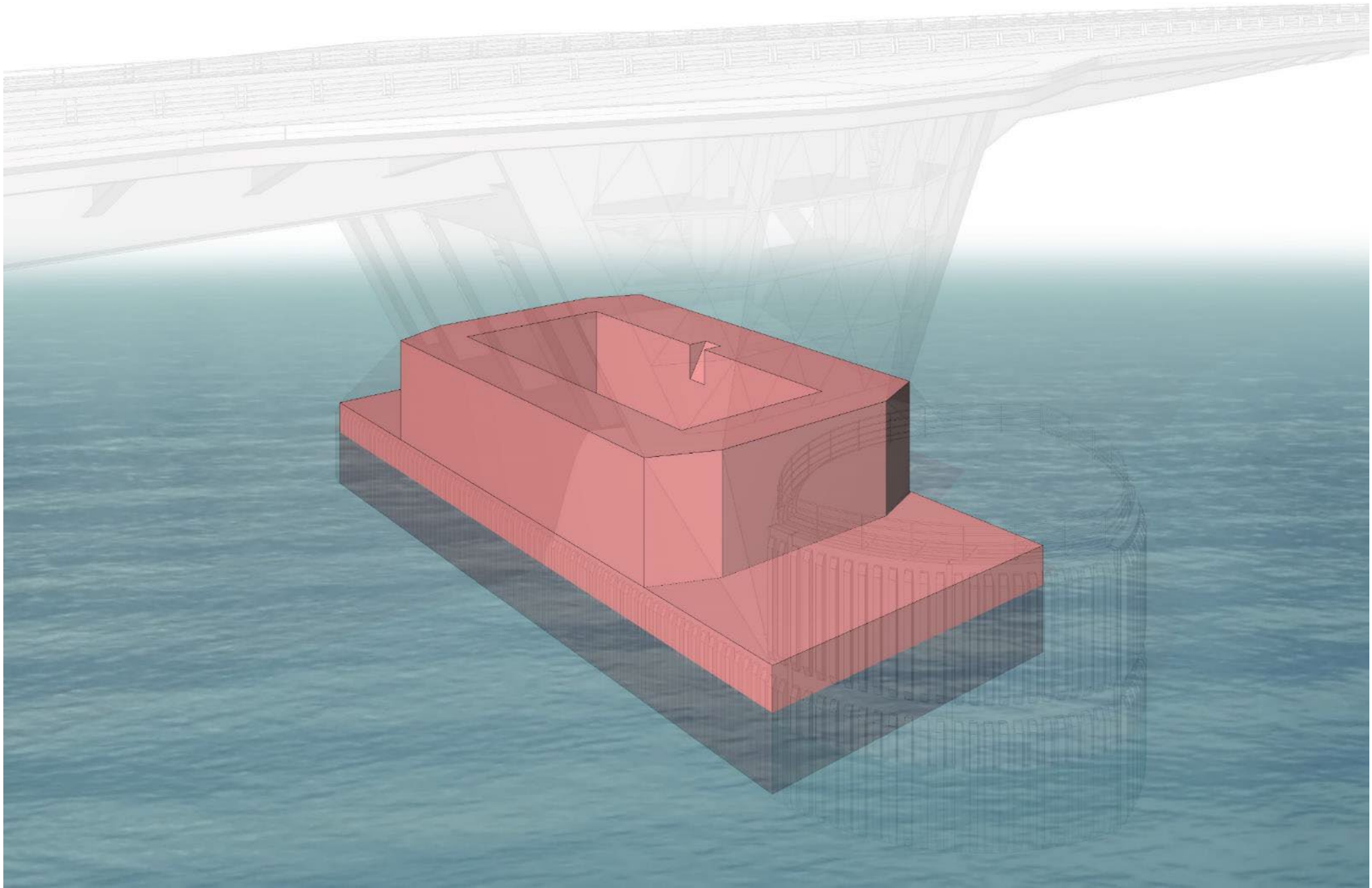
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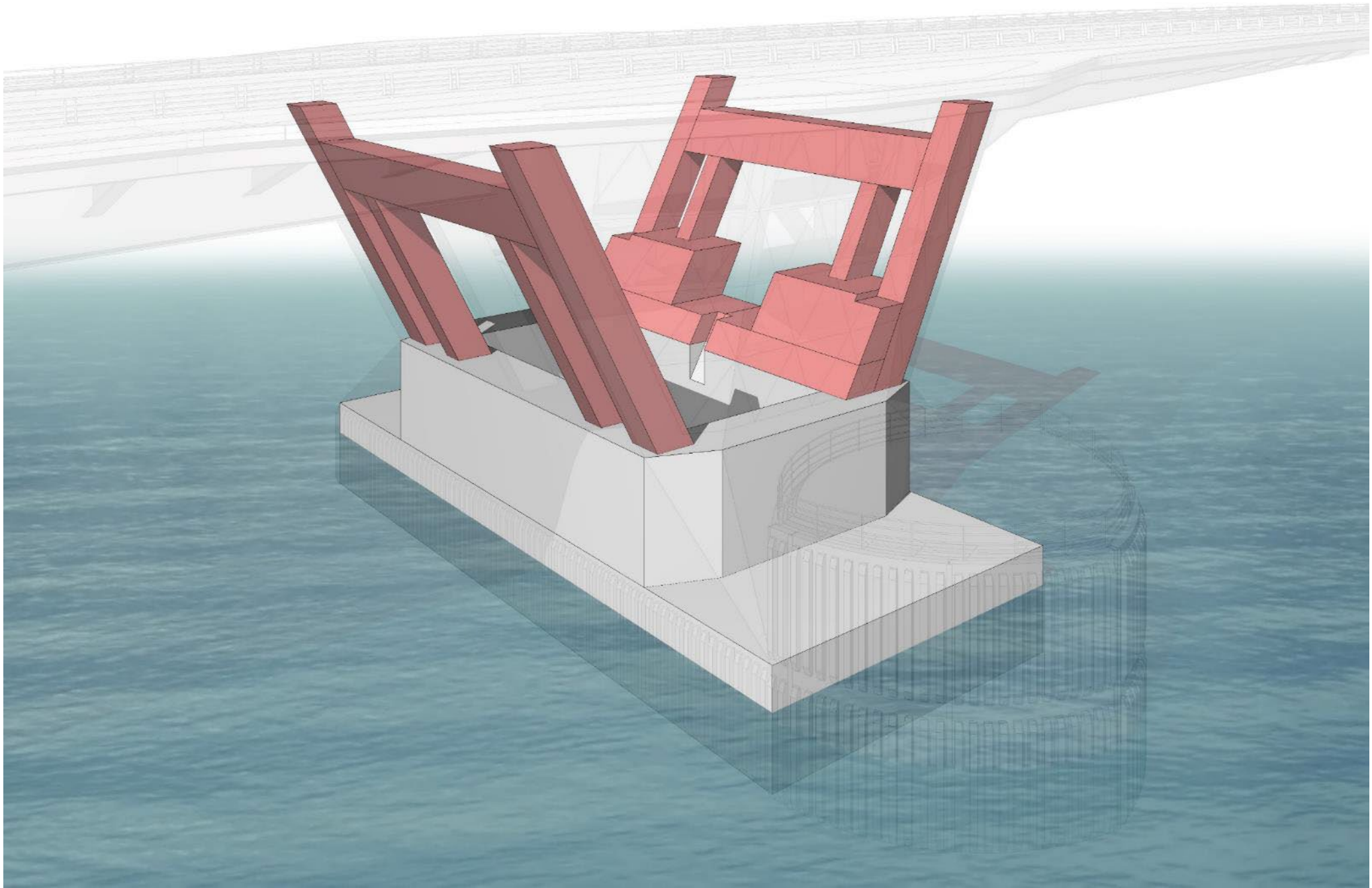
4

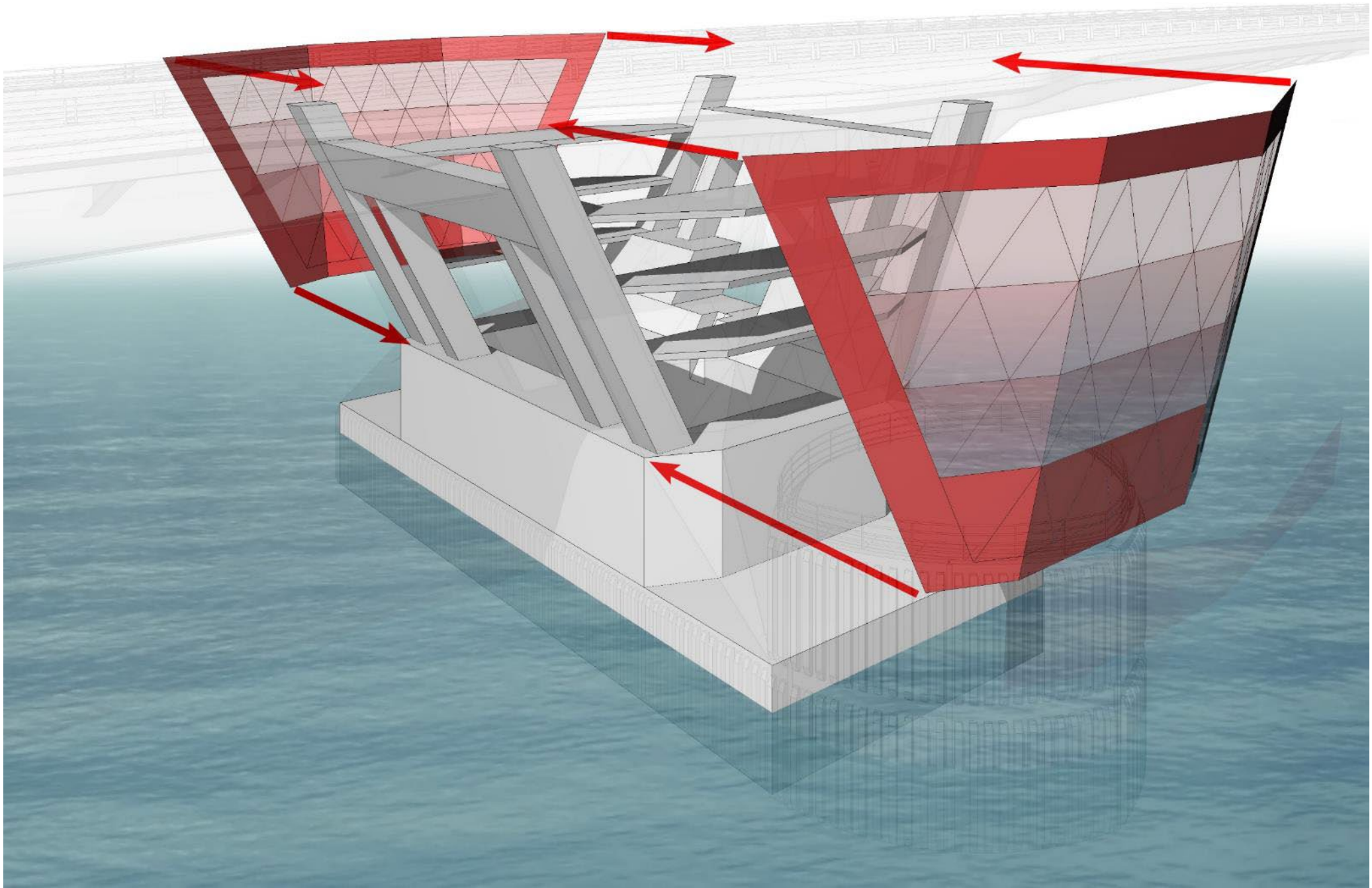
Burnside South Face

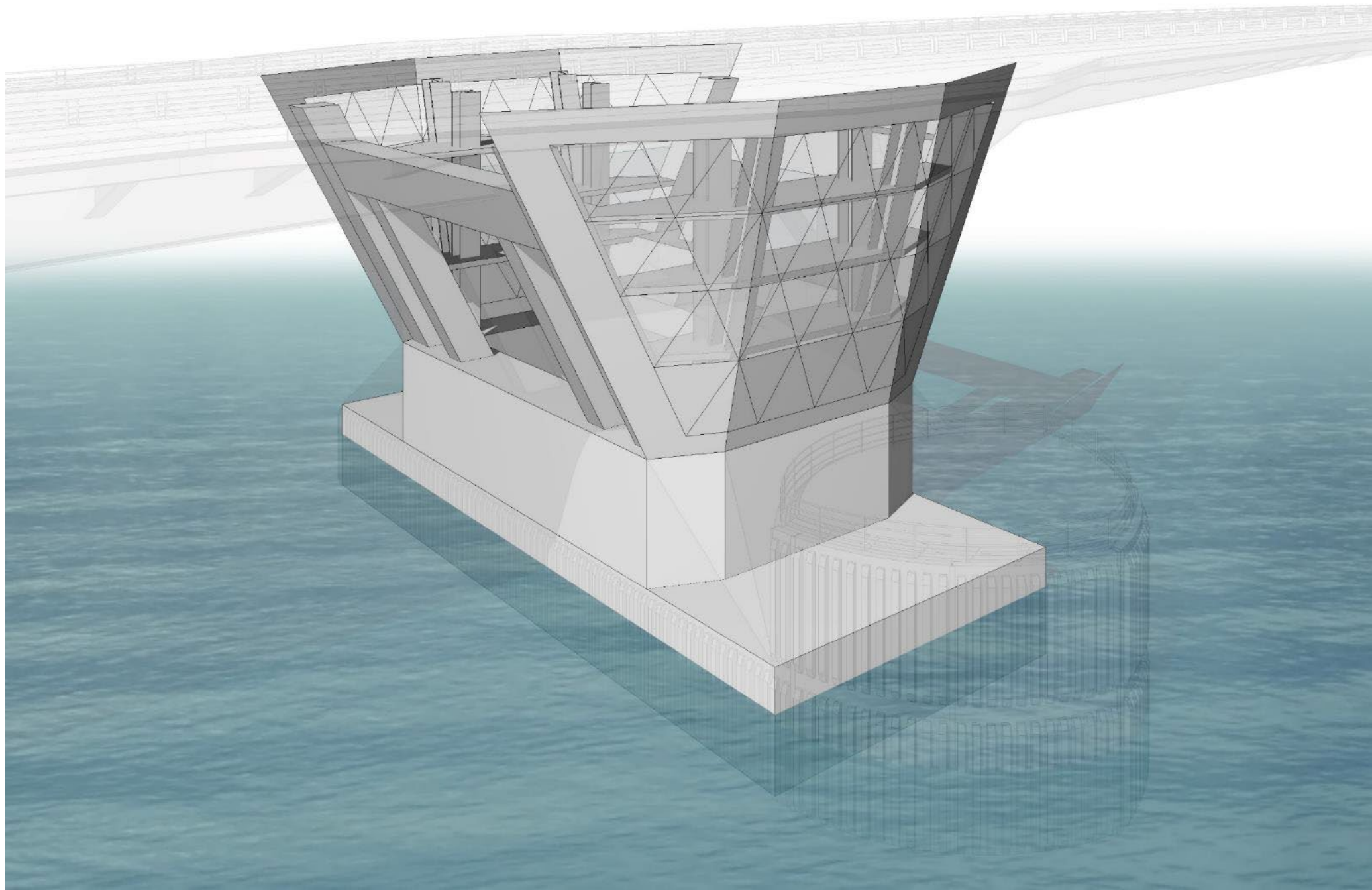


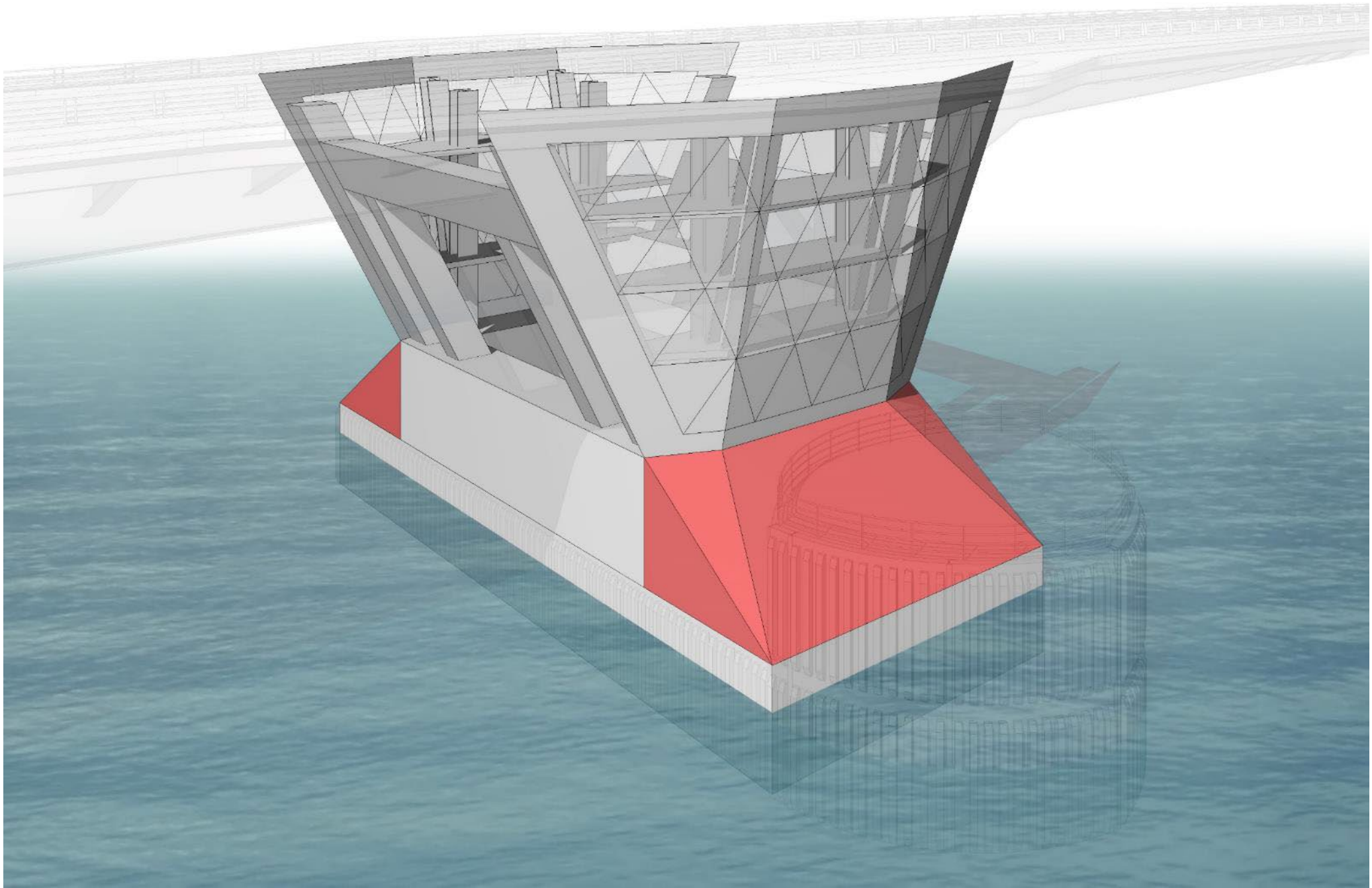


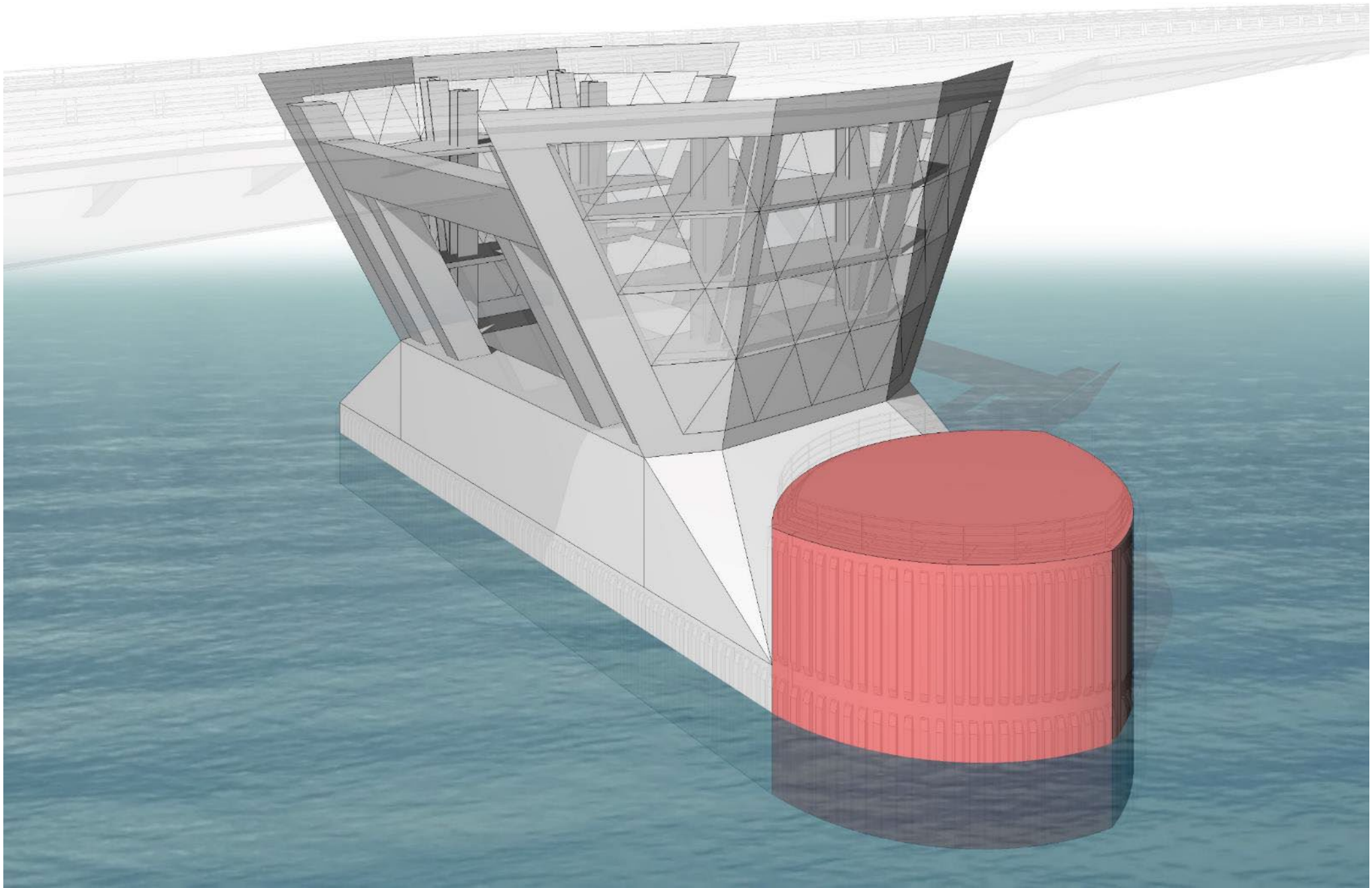








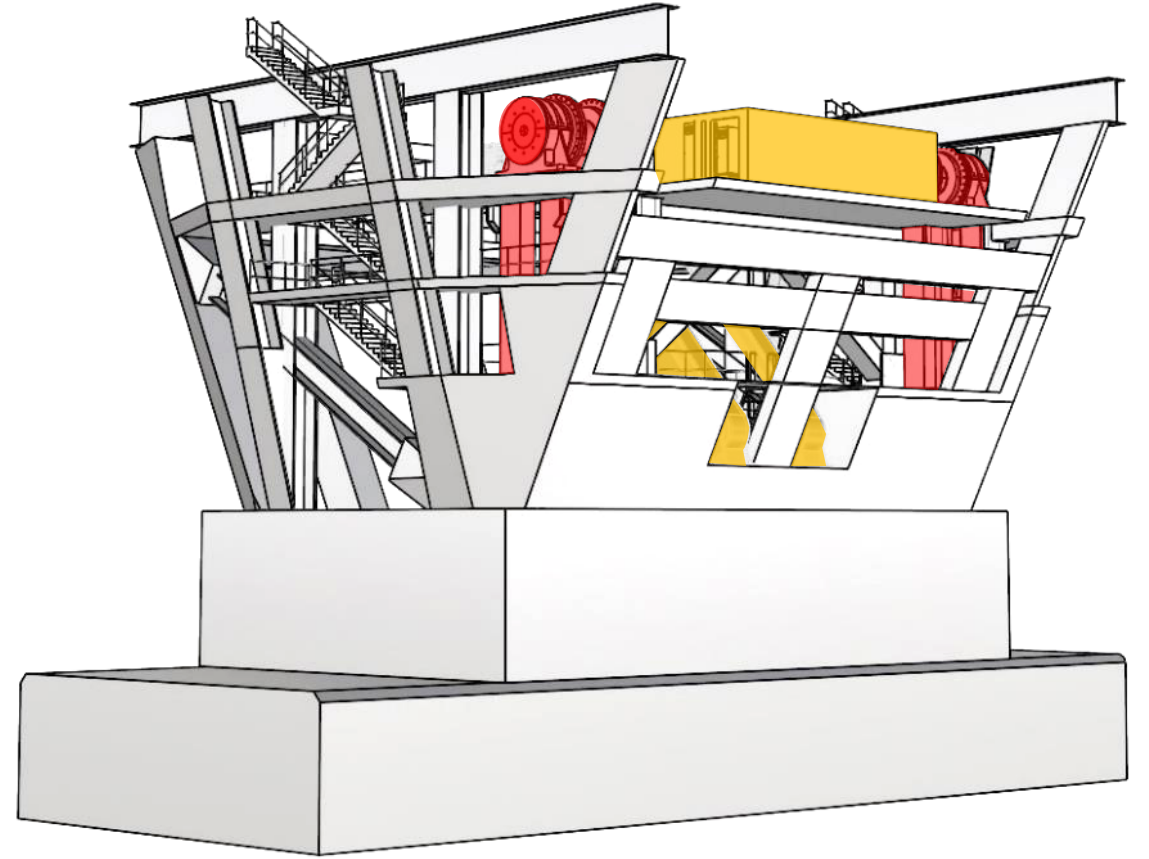
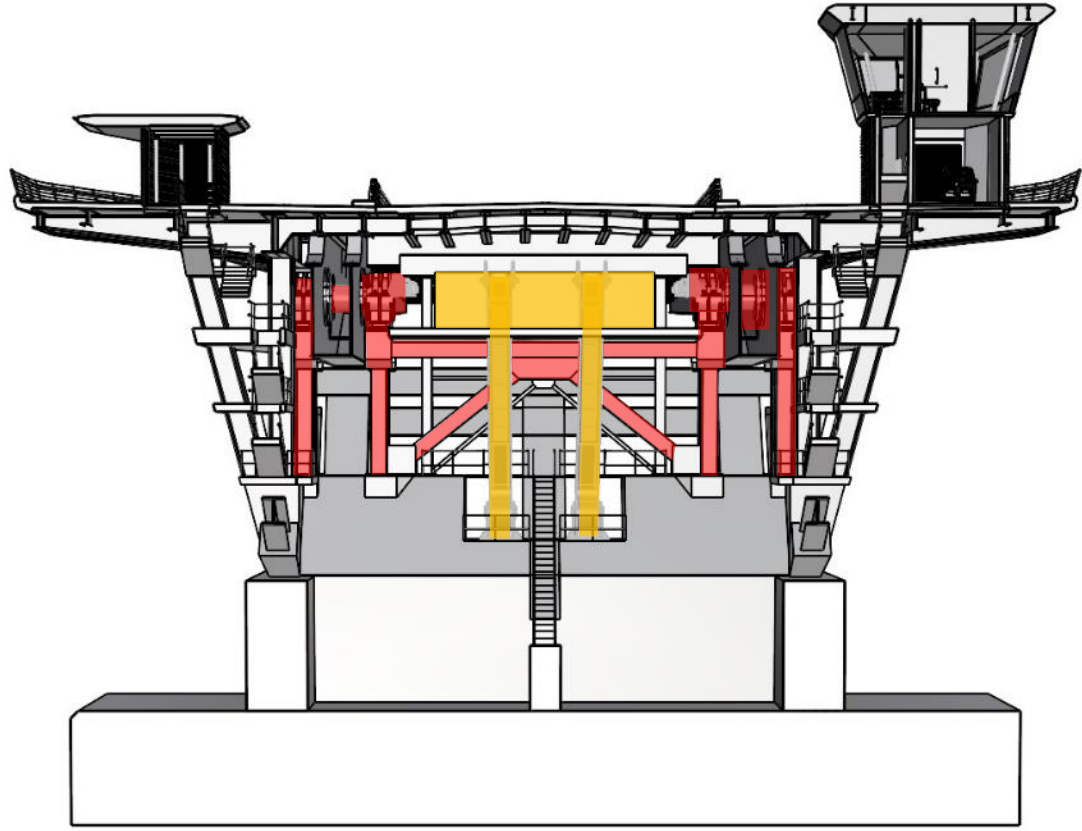




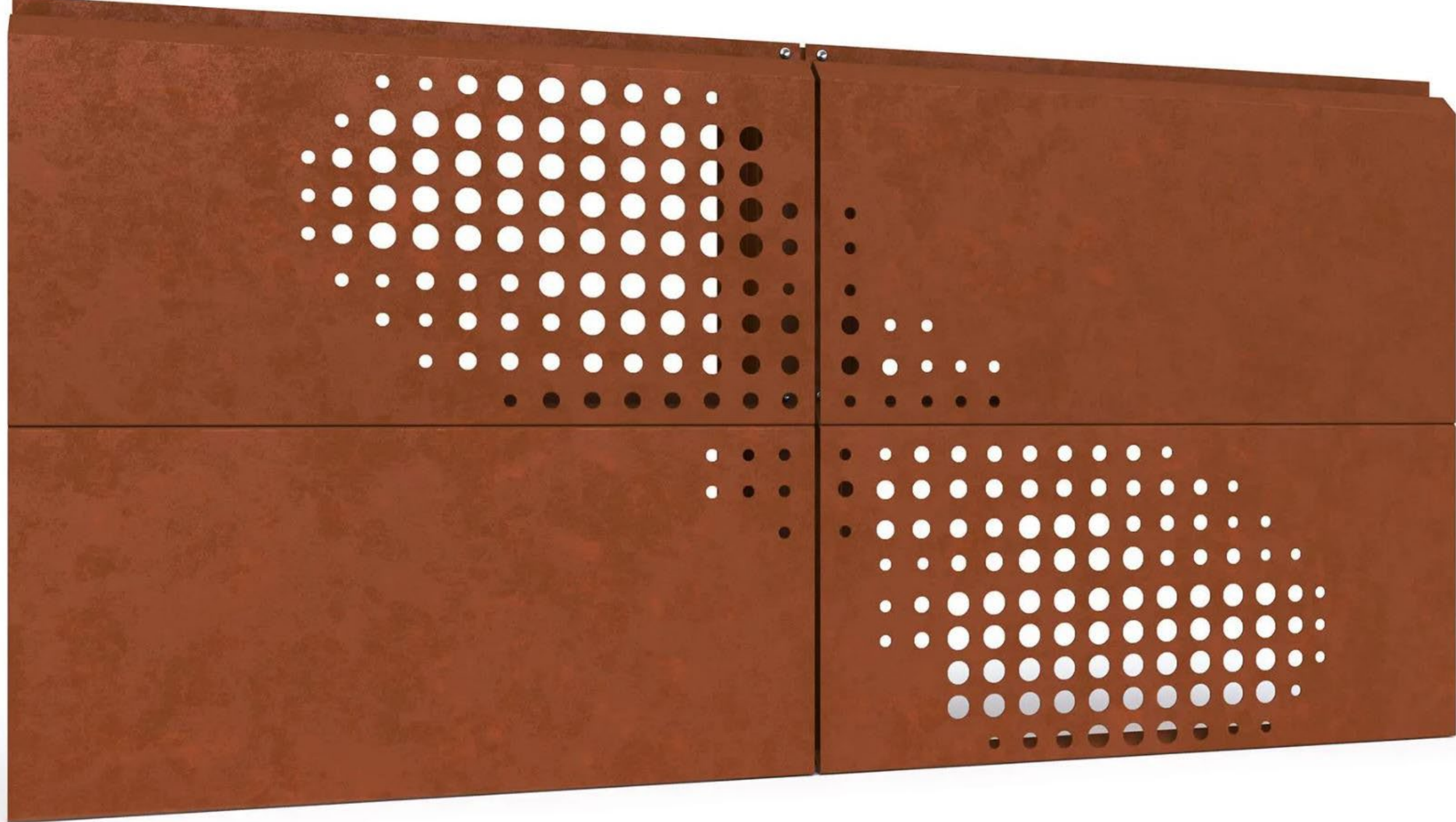


















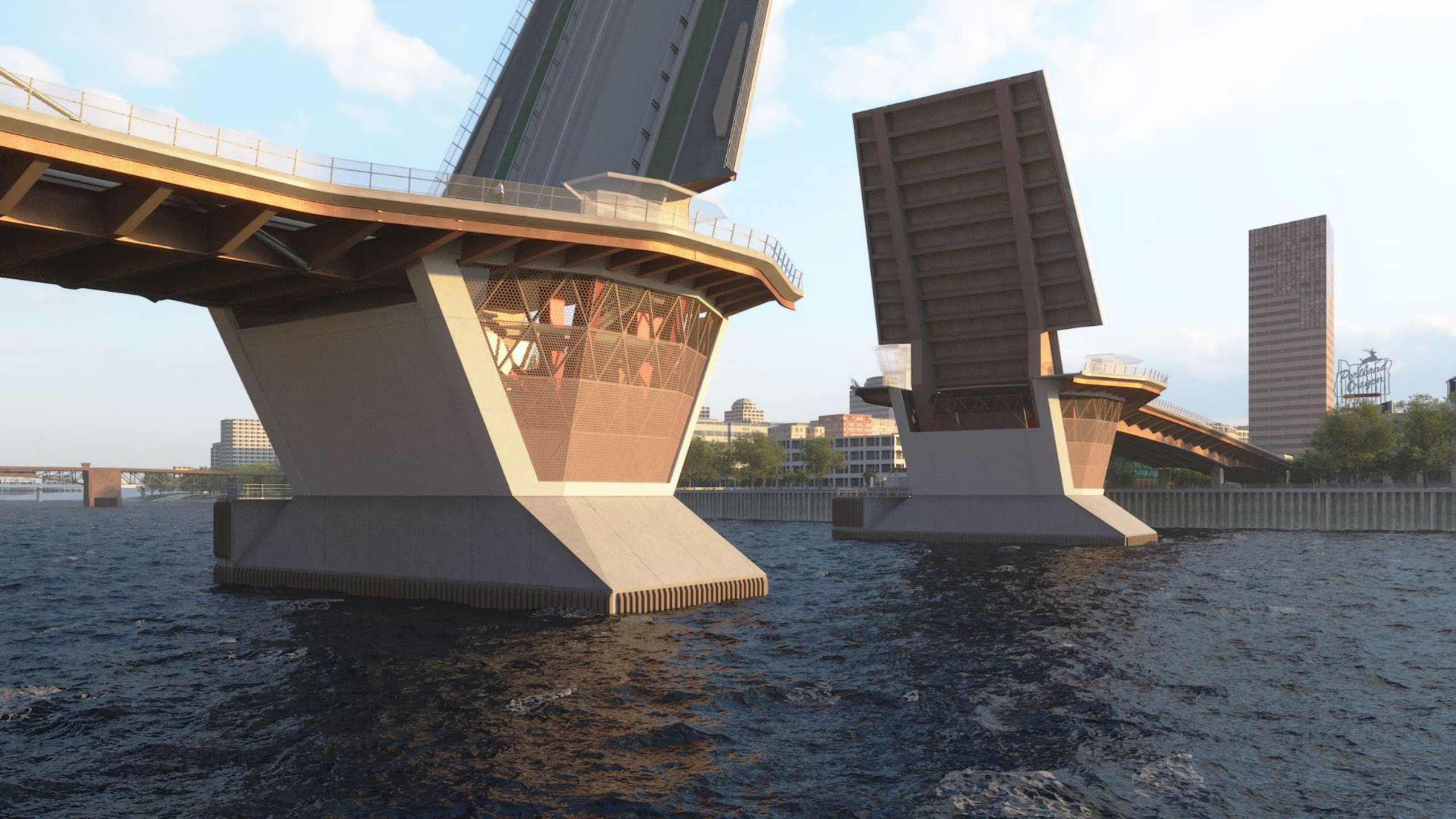










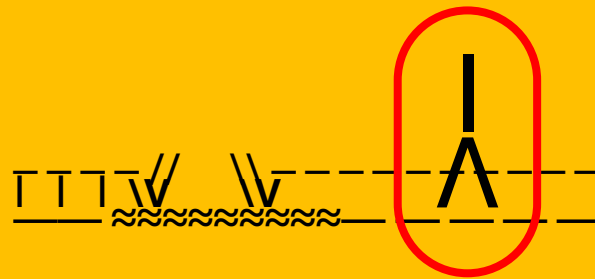








Tower Geometry





Convention Ctr Spires El. +325.00

Top of Structure El. +320.00

Confluence El. +192.00

Crank El. +62.00

Top of Cap El. +46.00

Ground El. \approx + 33.00

128'

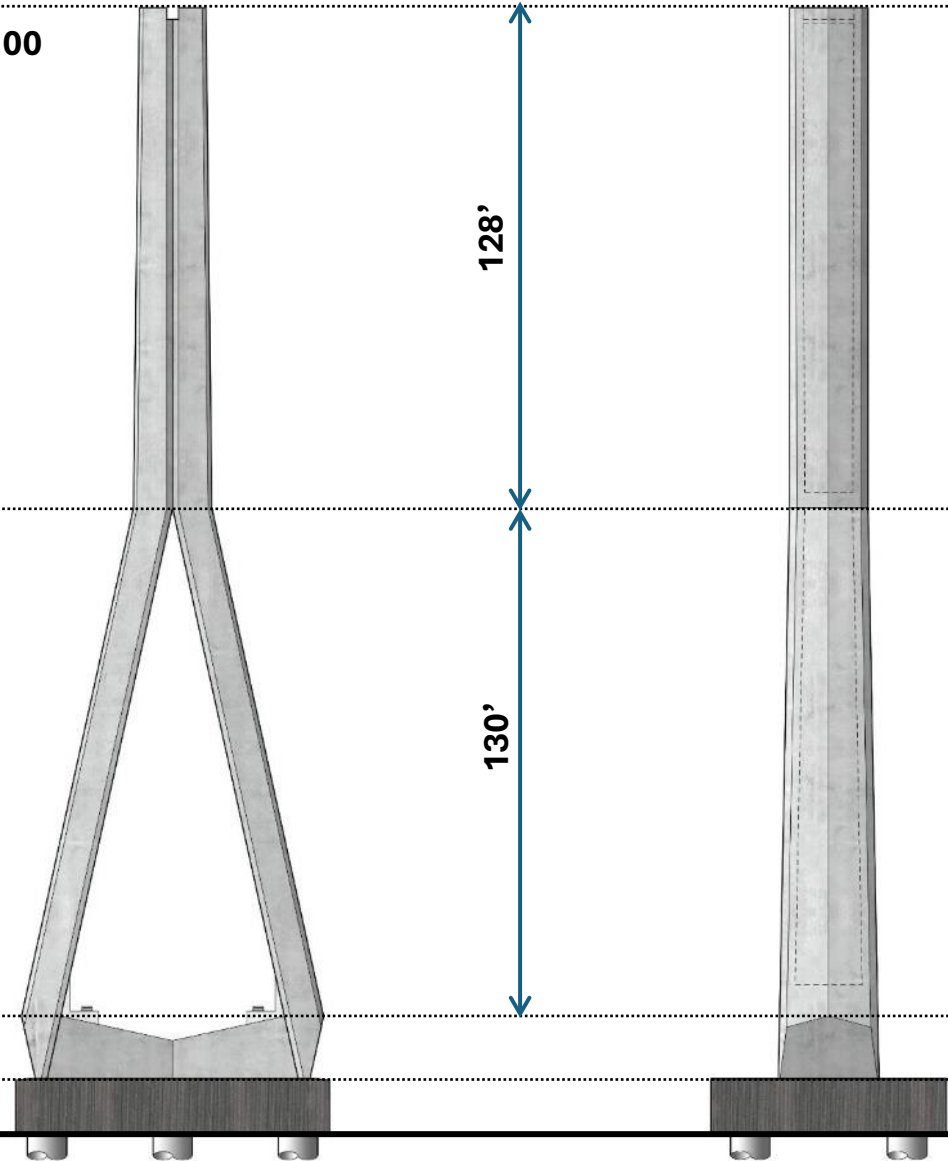
130'

287'

Steel Bridge 260.00 ft

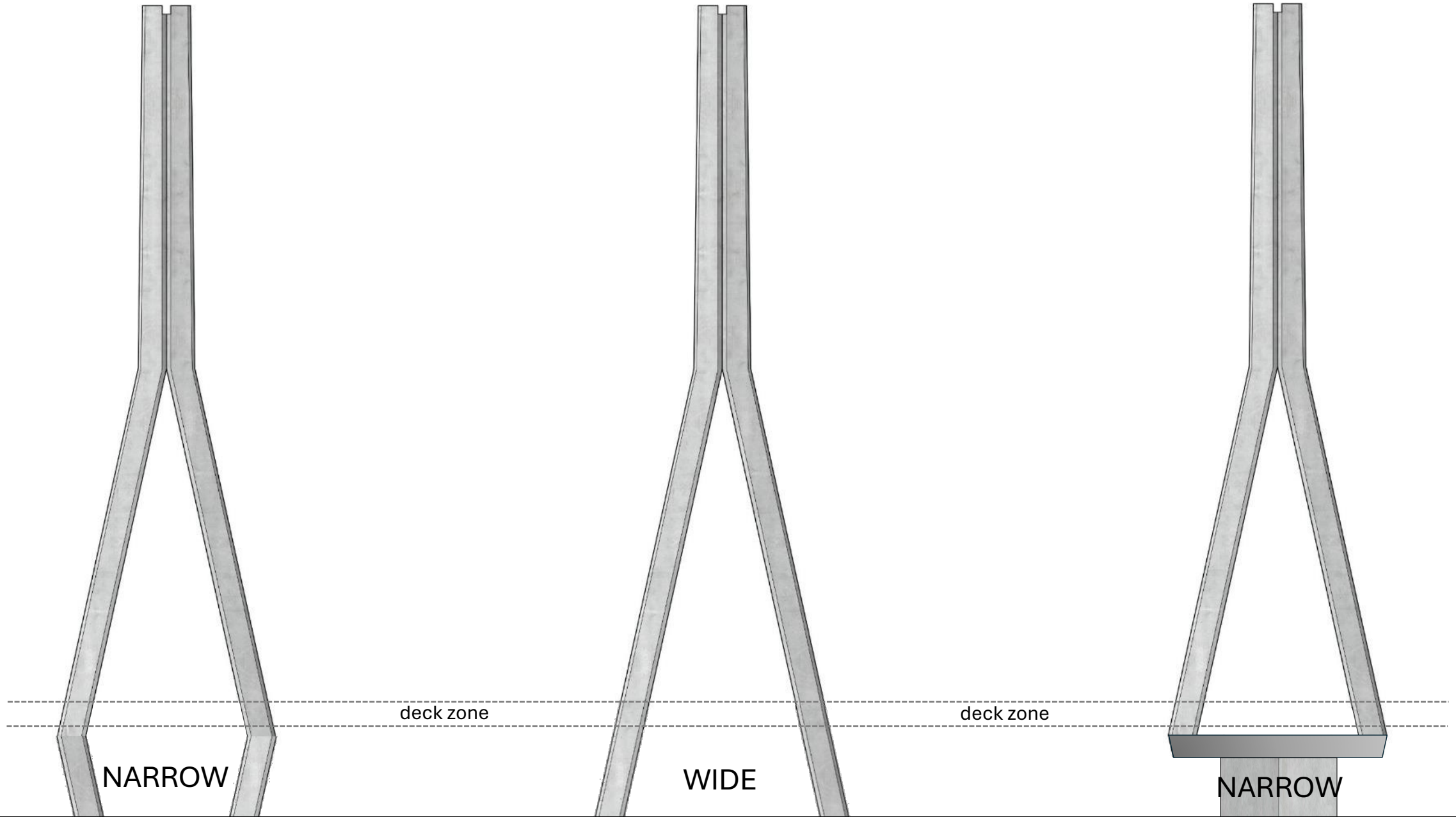
The Yard 200.00 ft

Tilikum Crossing 180 ft





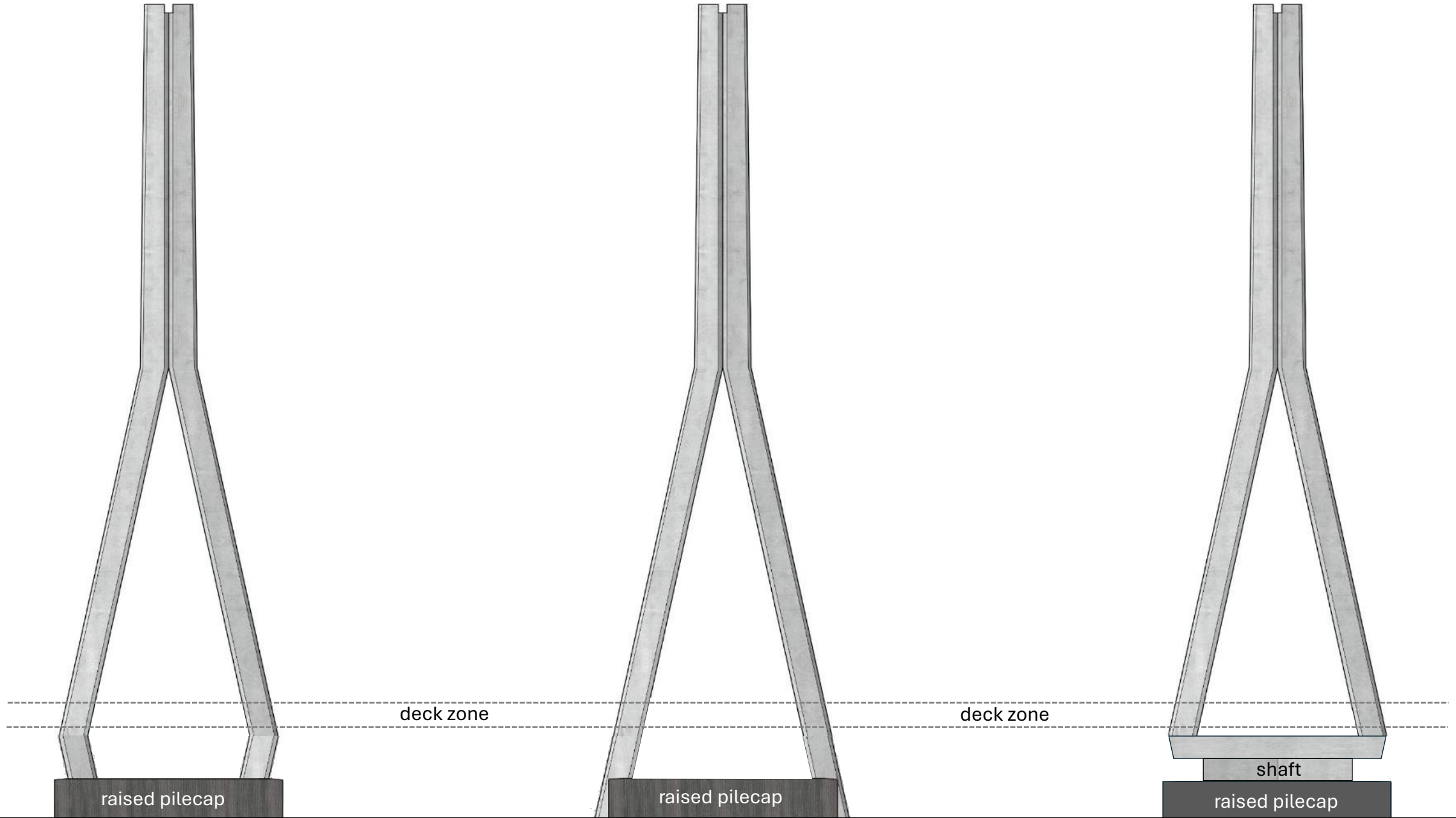




Bottle Profile

Inverted-Y Profile

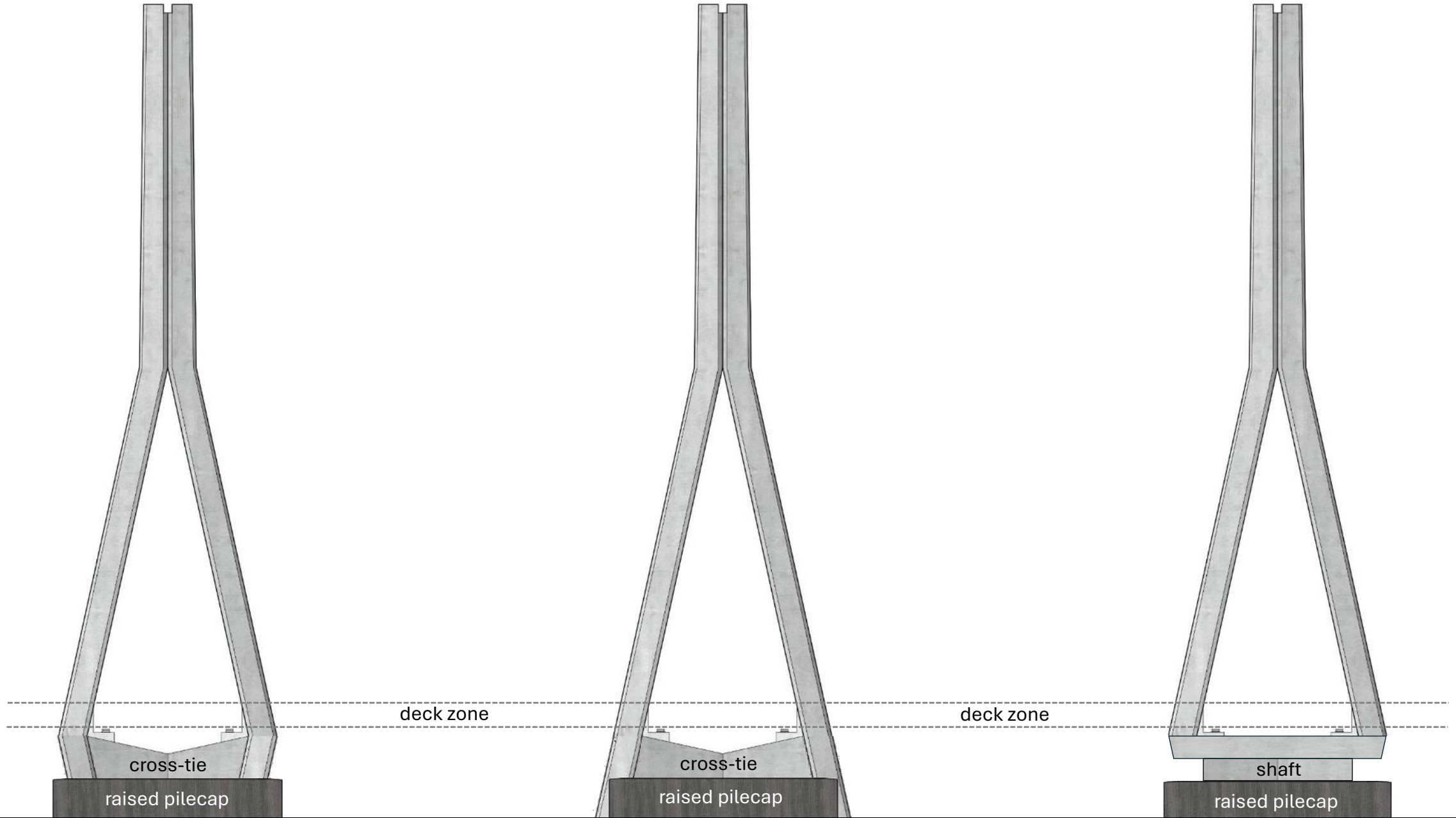
Christmas Tree Profile



Bottle Profile

Inverted-Y Profile

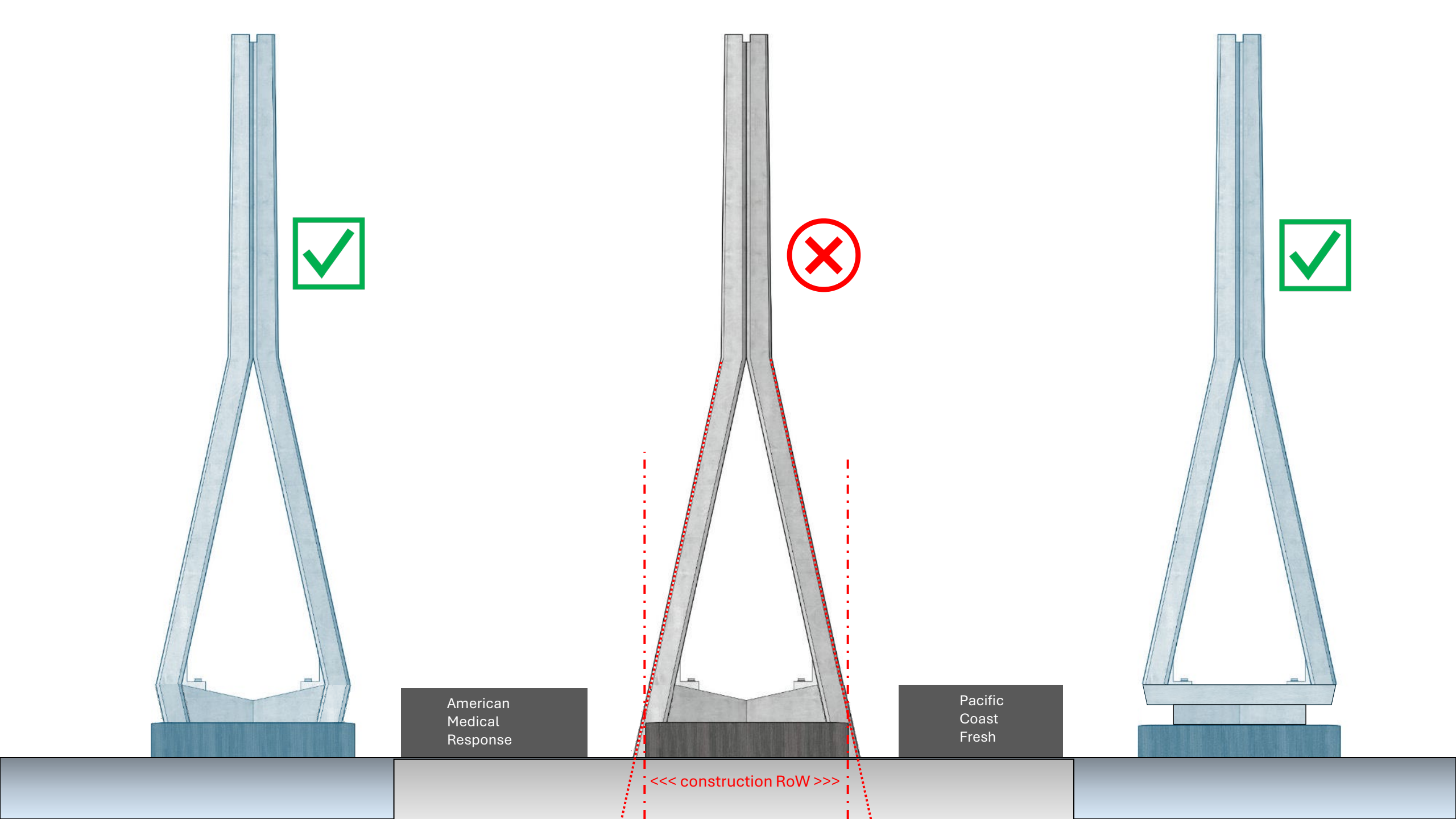
Christmas Tree Profile

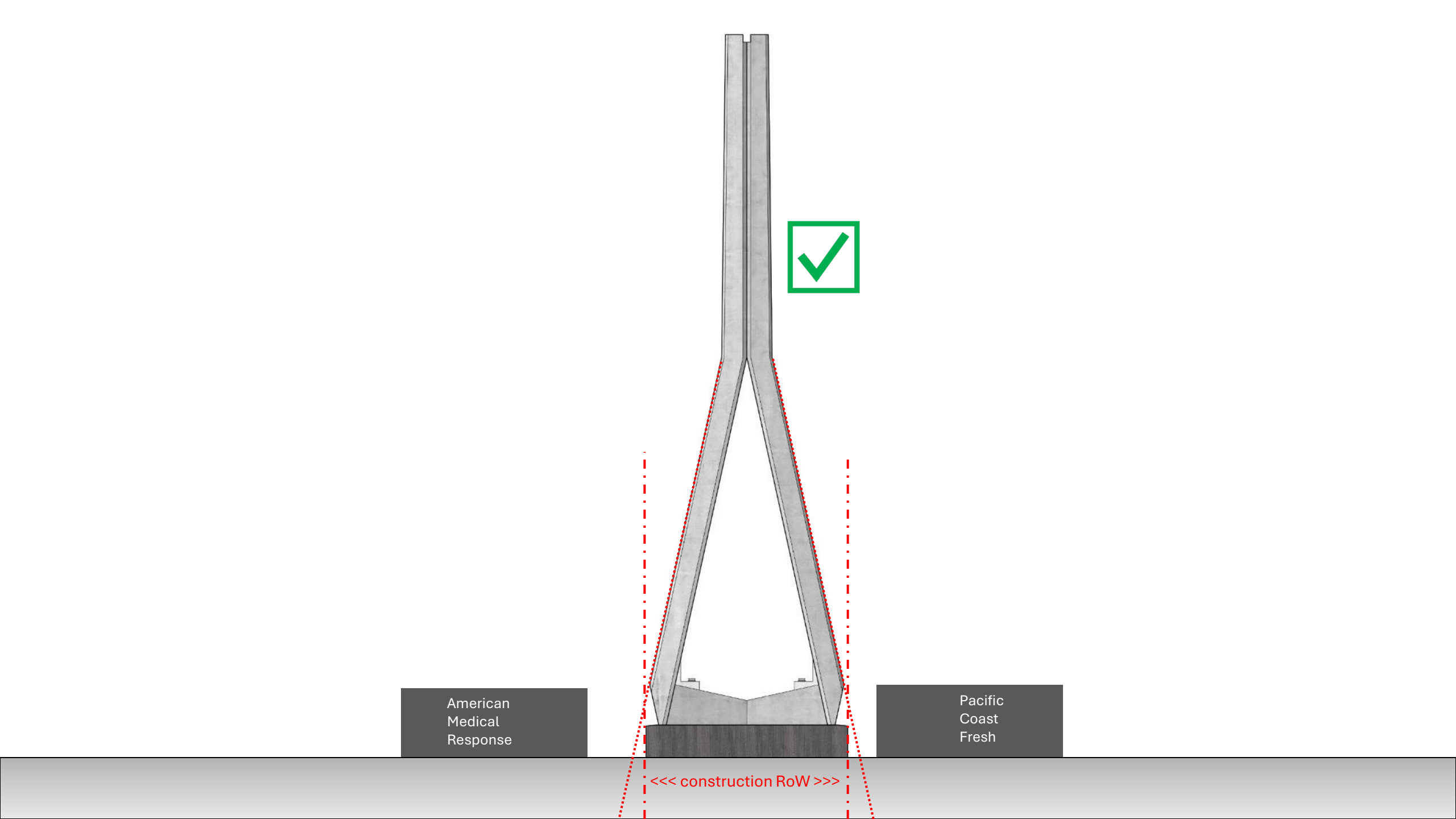


Bottle Profile

Inverted-Y Profile

Christmas Tree Profile



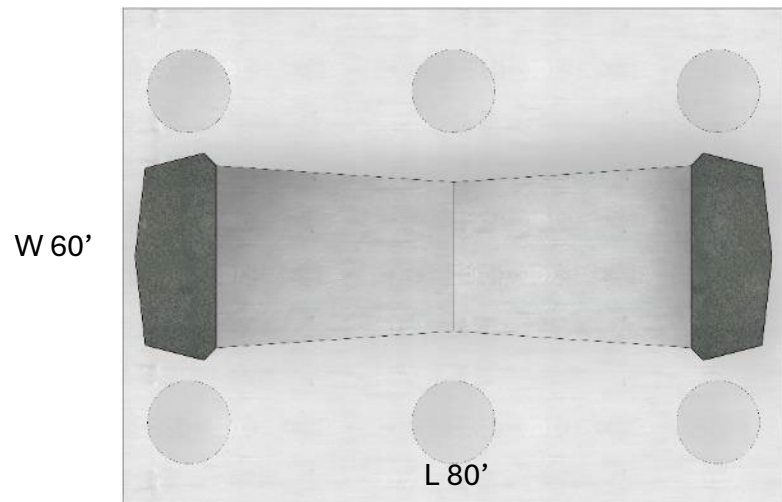
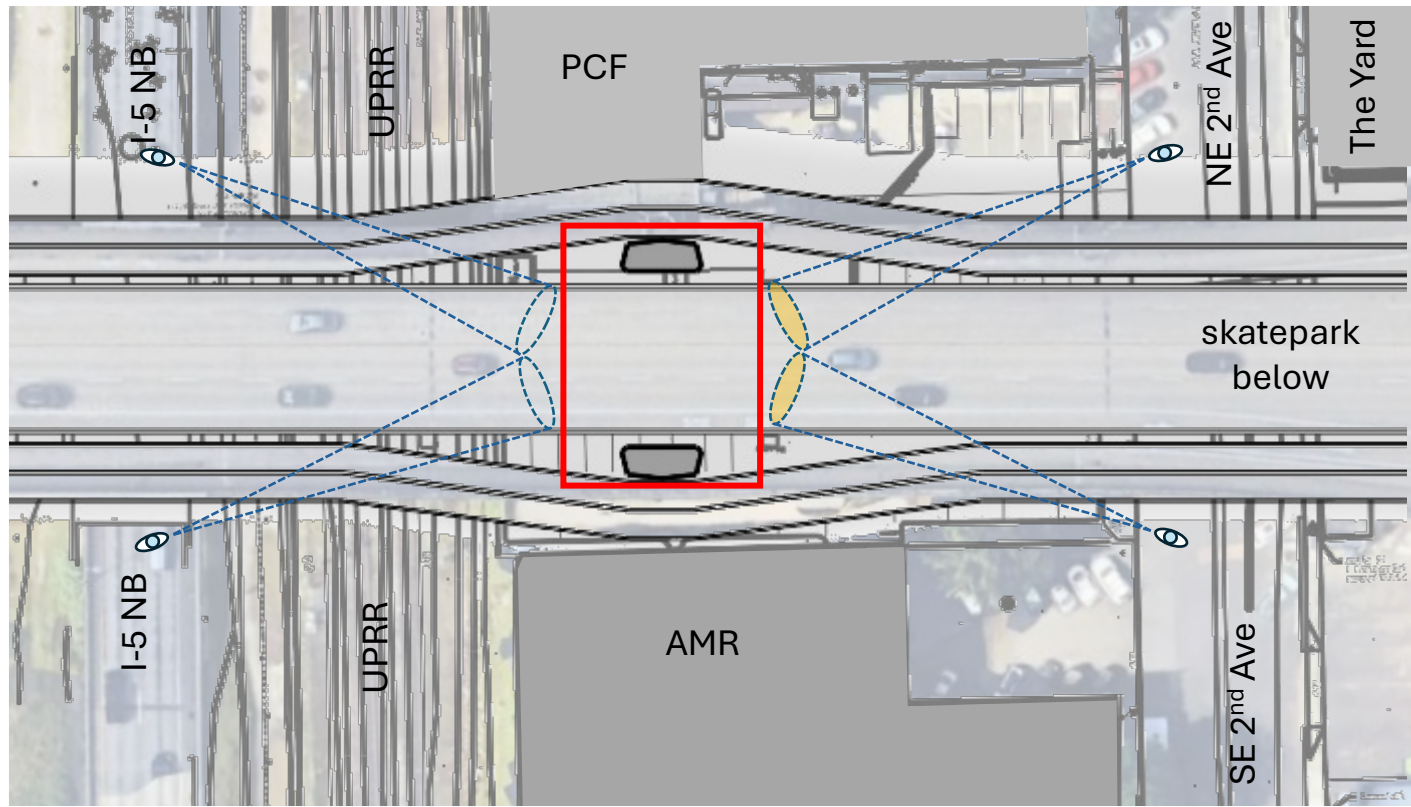
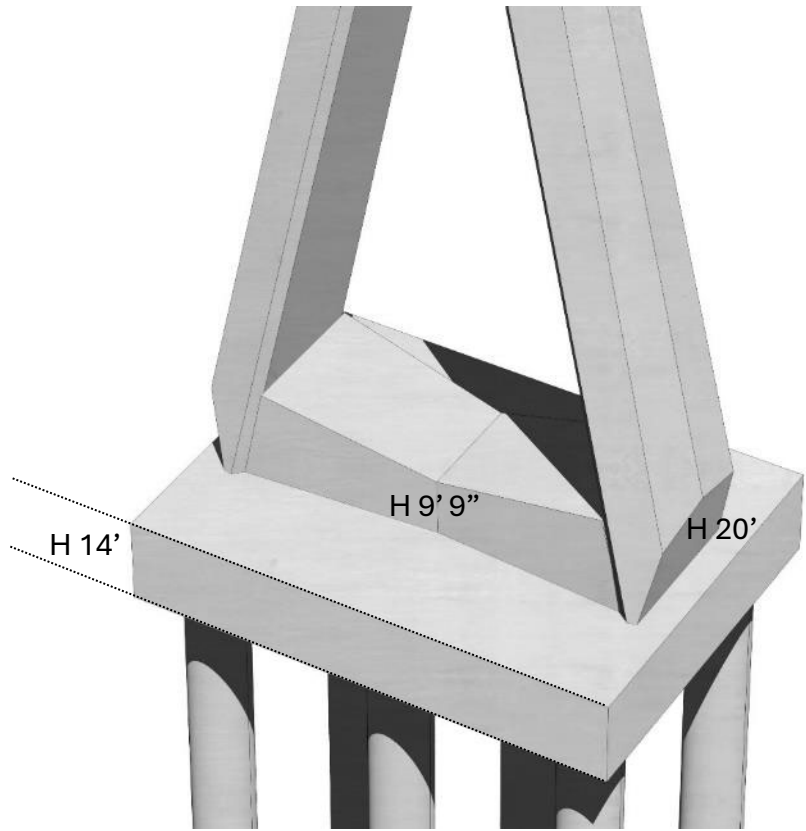


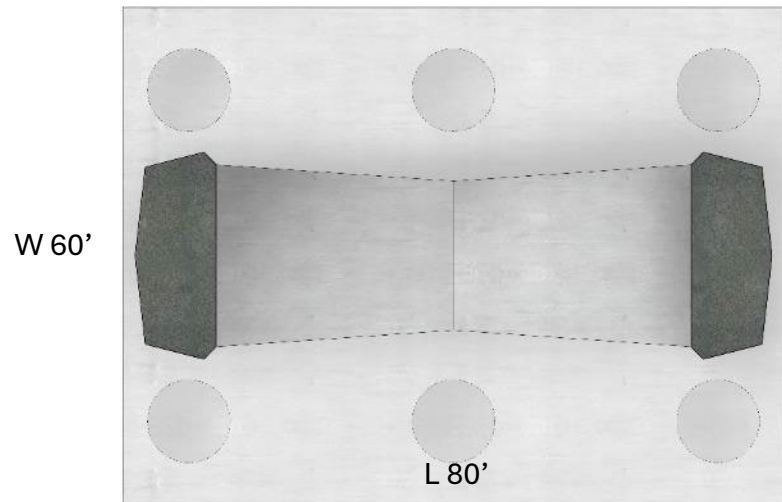
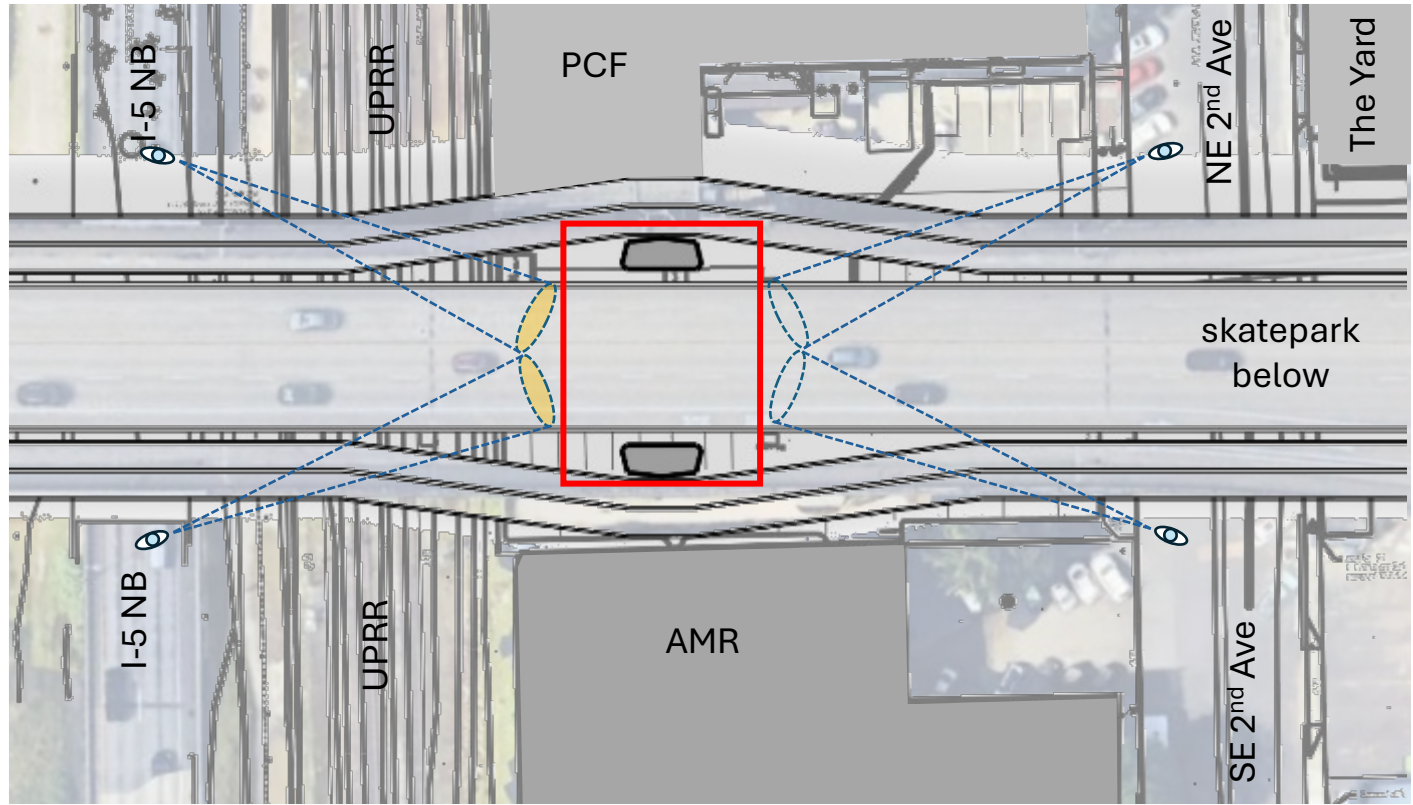
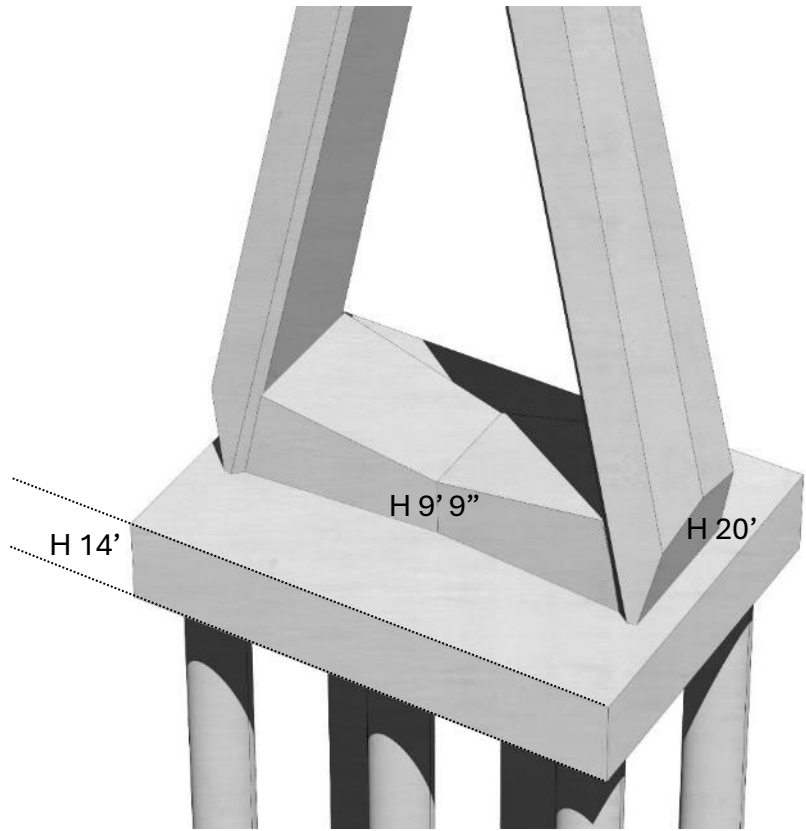
American
Medical
Response

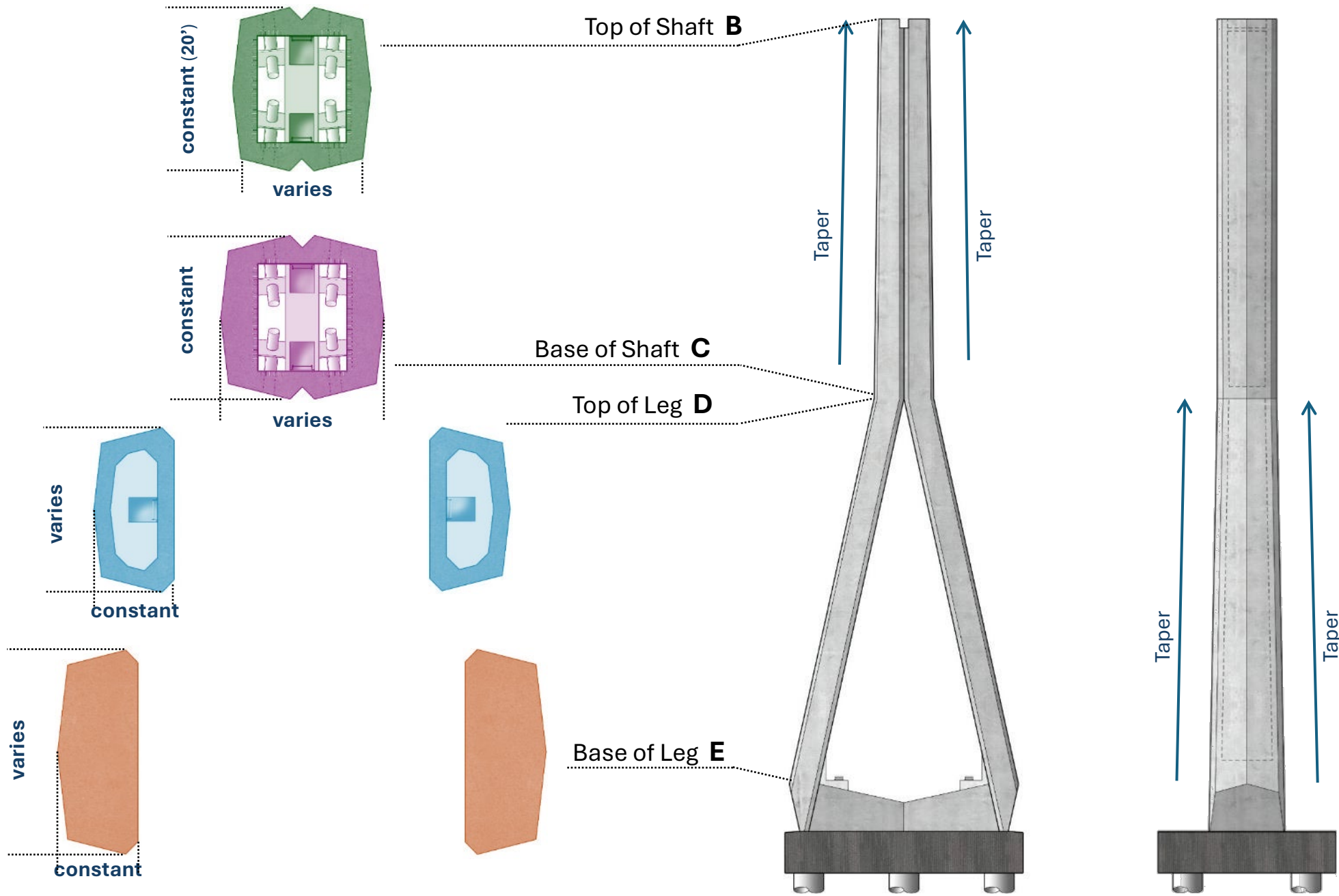
Pacific
Coast
Fresh

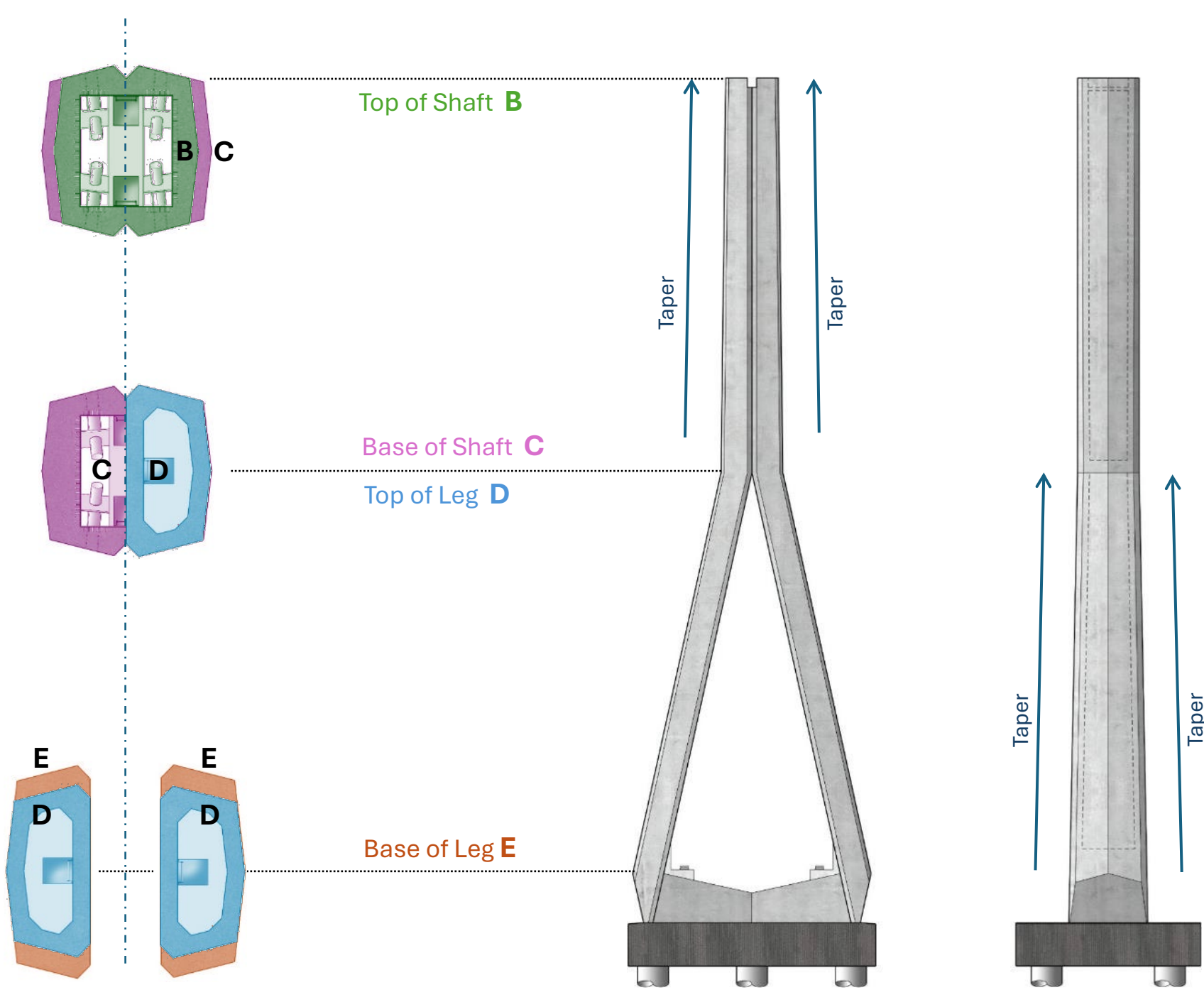
<<< construction RoW >>>

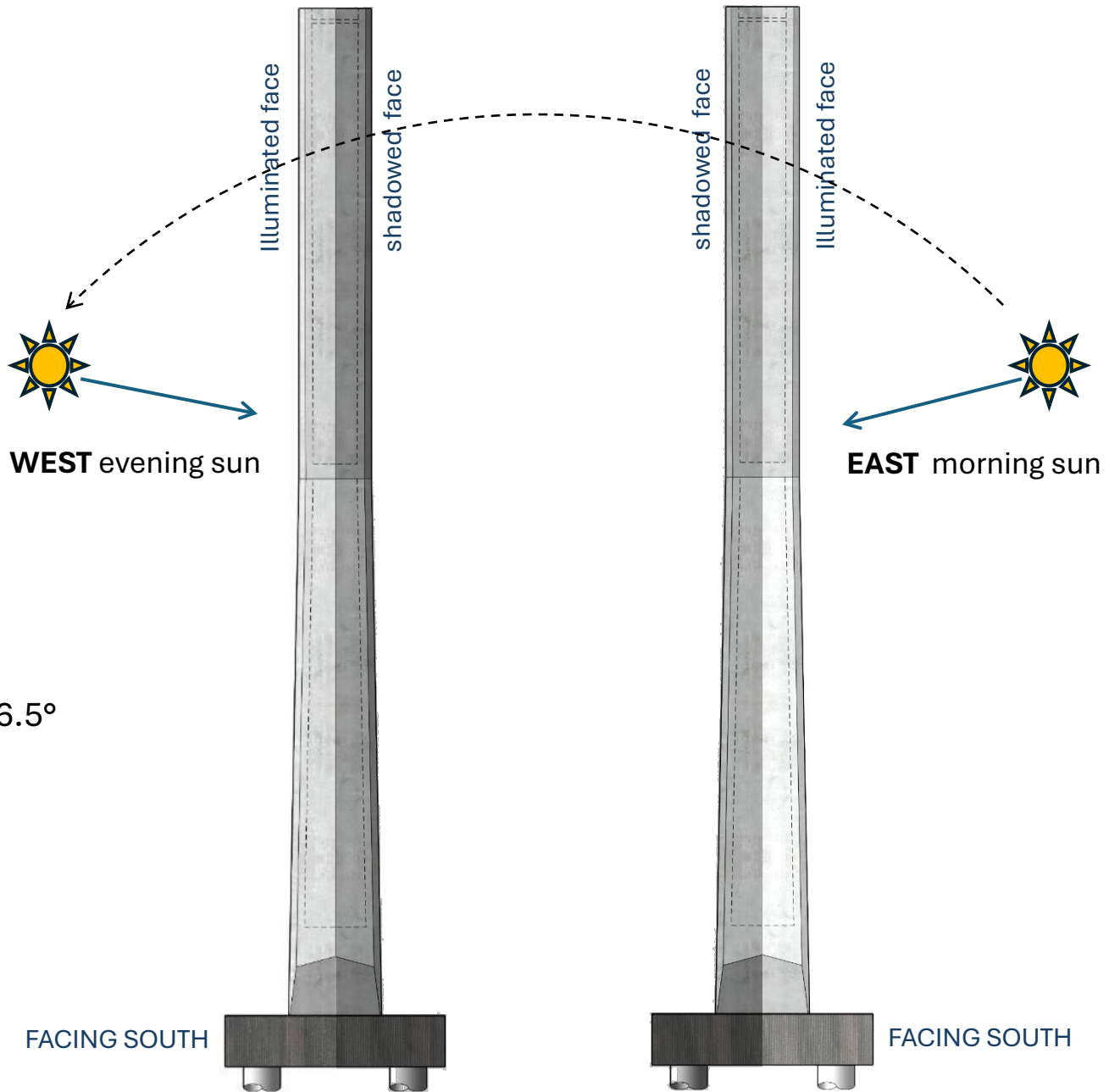
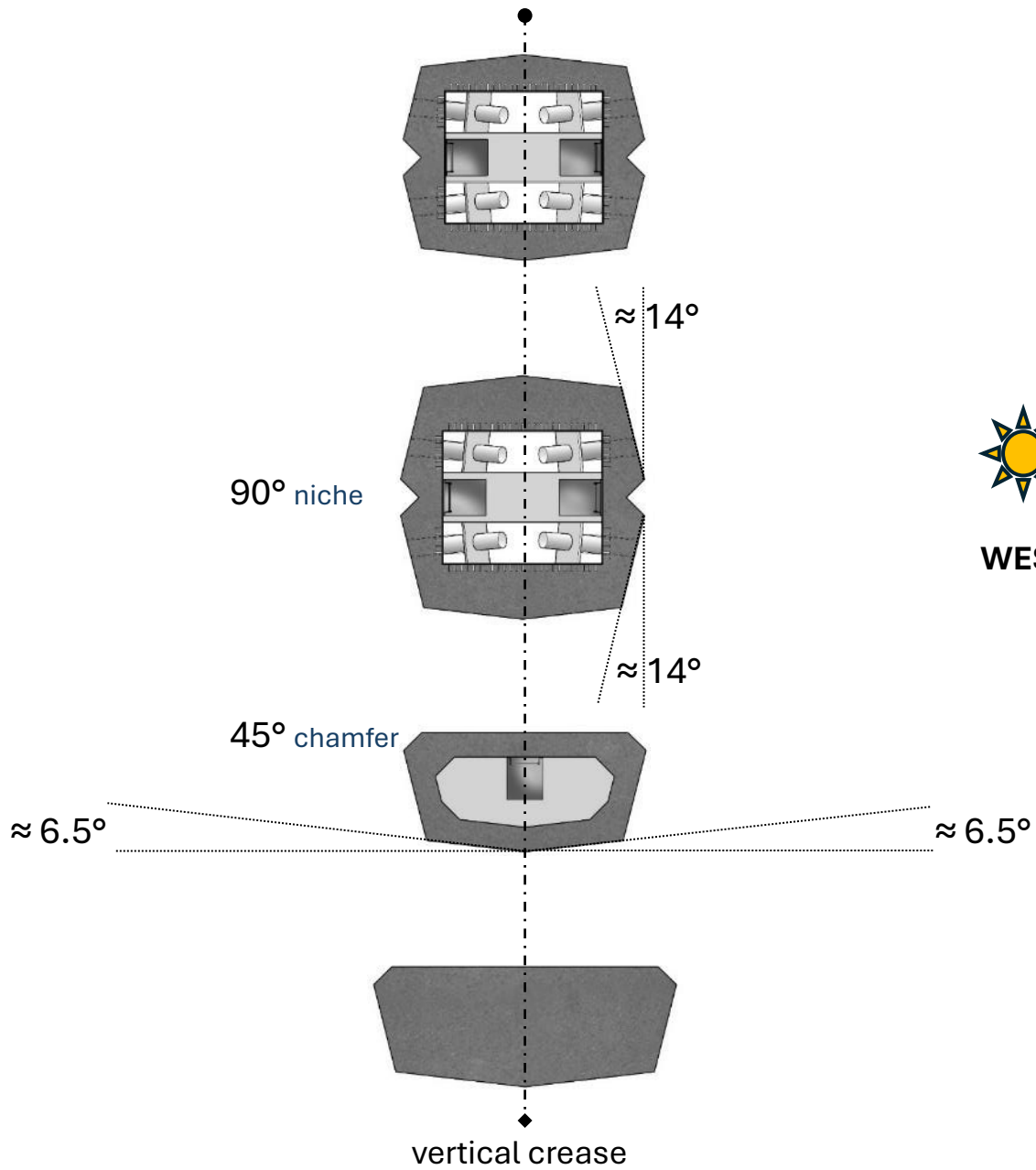
























Bridge Lighting

Creating Community Landmarks with Light



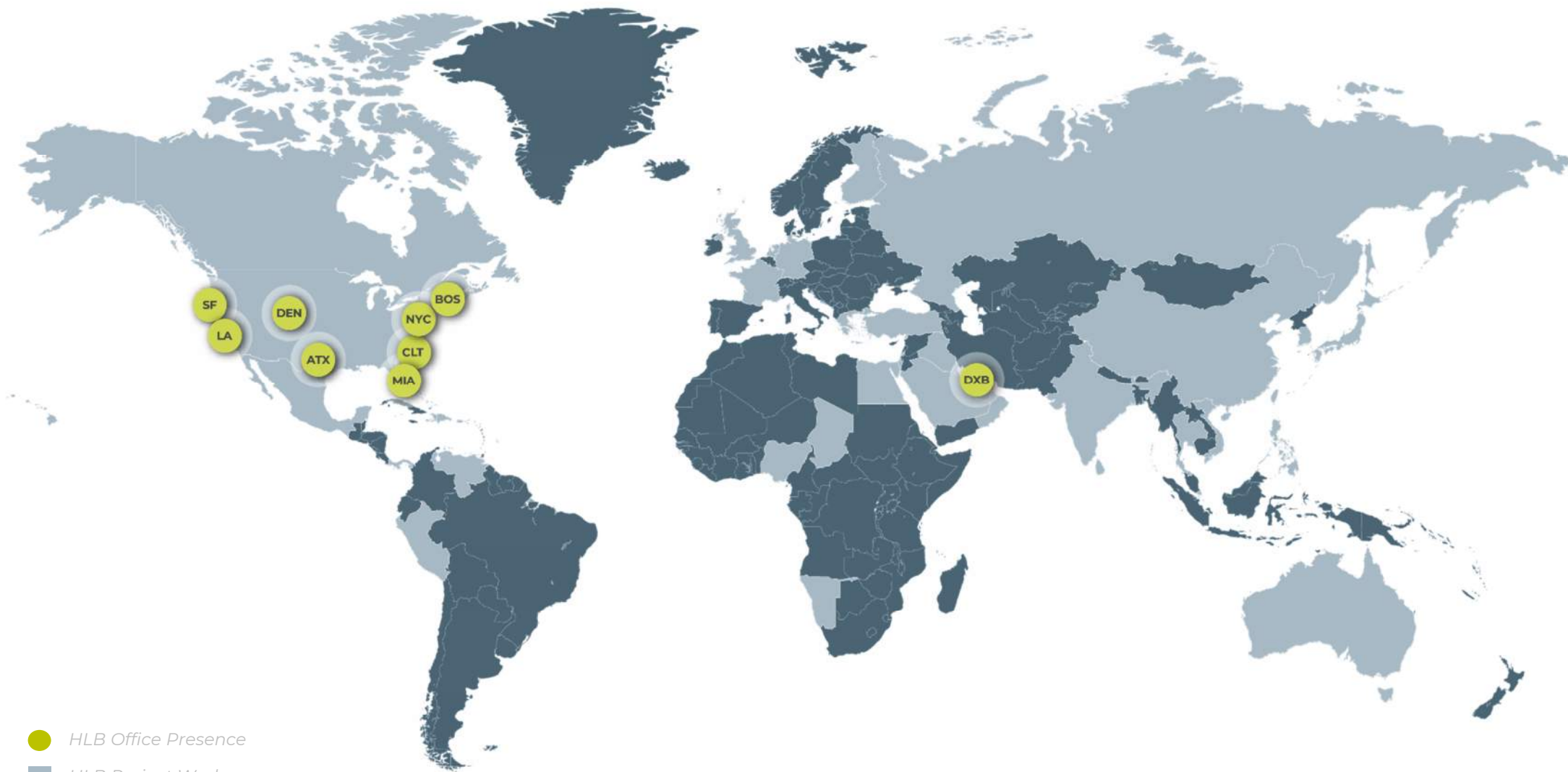
HLB

HLB Lighting Design

Elizabeth Johnson
Assoc. IALD, MIES
Associate Director

November 2024

HLB at a glance



Bridge Lighting Needs



Samuel De Champlain Bridge, Montreal, QC



St. Croix River Crossing, Stillwater, MN

HDR

Why Light a Bridge?

Bridges elevate and connect communities in both a physical and metaphorical sense. They serve the very practical purpose of connecting two places together, but they also serve the higher purposes of connecting people and families to each other, of elevating our civic spaces, and becoming symbols of their community's hopes and aspirations. They represent how a community sees itself and what of itself they want to project to the world.

It is in the service of these higher, metaphorical goals for a bridge that the aesthetic lighting of the structure comes into play, for it is through the careful application of light that the structure obtains a nighttime persona that can make it a truly unique symbol of its community.



St. Croix River Crossing, Stillwater, MN

HDR

BRIDGE LIGHTING NEEDS

HLB

Functional

- Roadway
- Pedestrian & Cycling Paths
- Navigation
- Security

Aesthetics

- Postcard Image
- Community Engagement
- Civic Pride

Veterans' Glass City Skyway Bridge



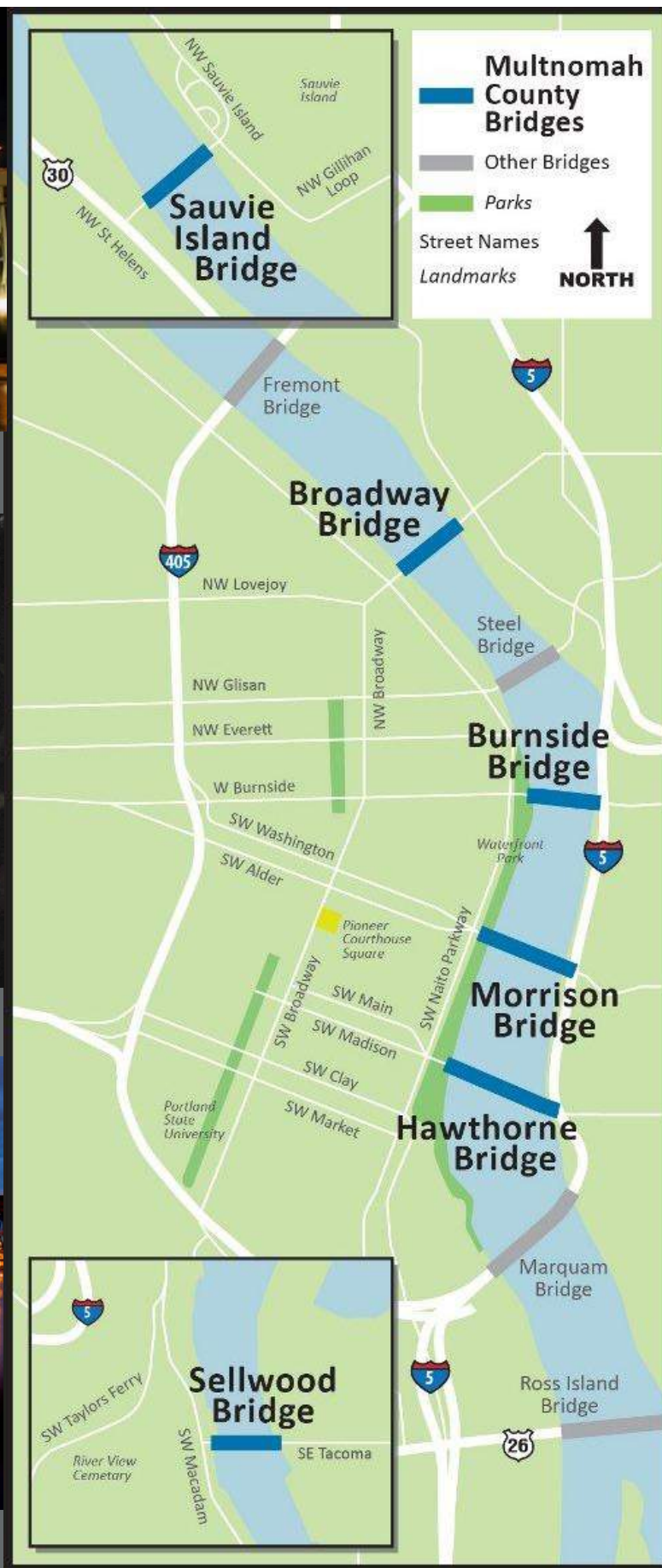
Fremont Bridge



Burnside Bridge



Morrison Bridge



Broadway Bridge



Steel Bridge



Hawthorne Bridge



Marquam Bridge



Tilikum Crossing



Sellwood Bridge



Ross Island



Walterdale Bridge, Edmonton, Alberta, Canada

BRIDGE LIGHTING NEEDS

HLB

Design Constraints

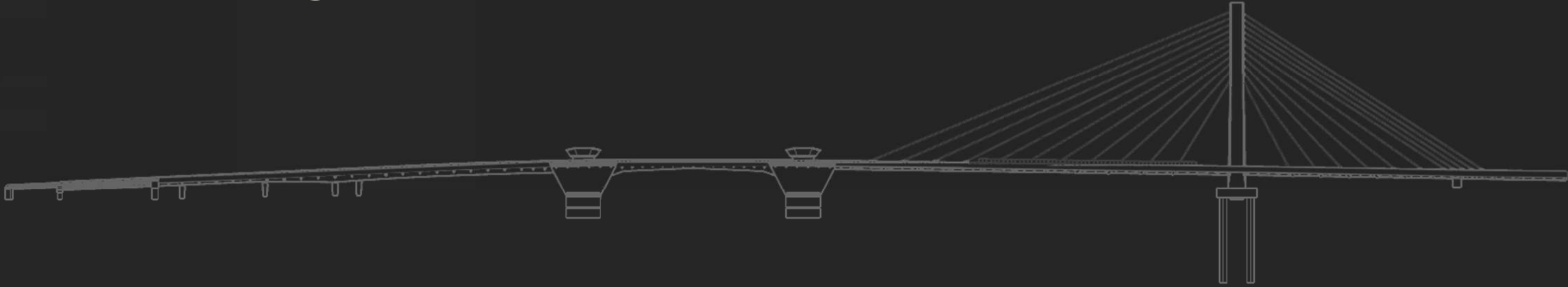
- Surrounding Illumination
- Light Pollution
- Wildlife and Environmental Issues
- Lighting for a Sense of Safety
- Construction Cost

Design Opportunities

- Context to bring Uniqueness
- Community Connection through Dynamic Lighting Scenes
- Accentuating Structural Features

Samuel De Champlain Bridge

Elements of Light



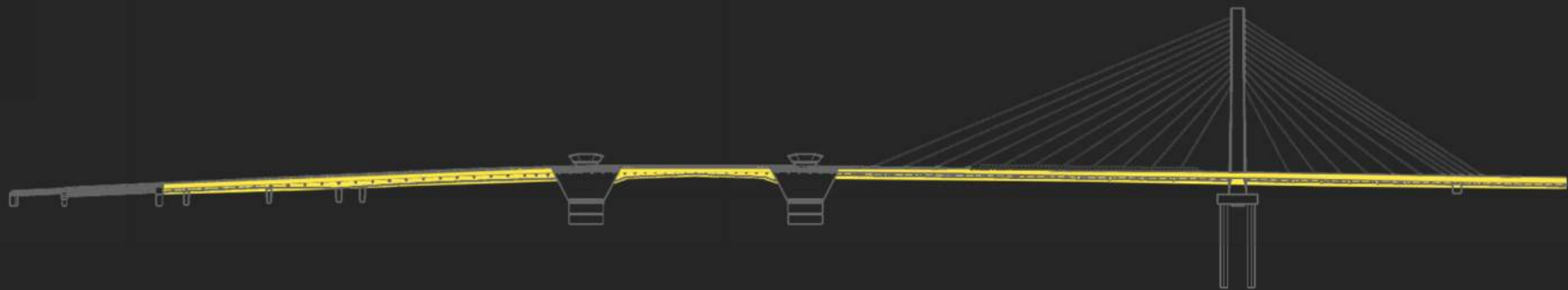
Girder

Piers

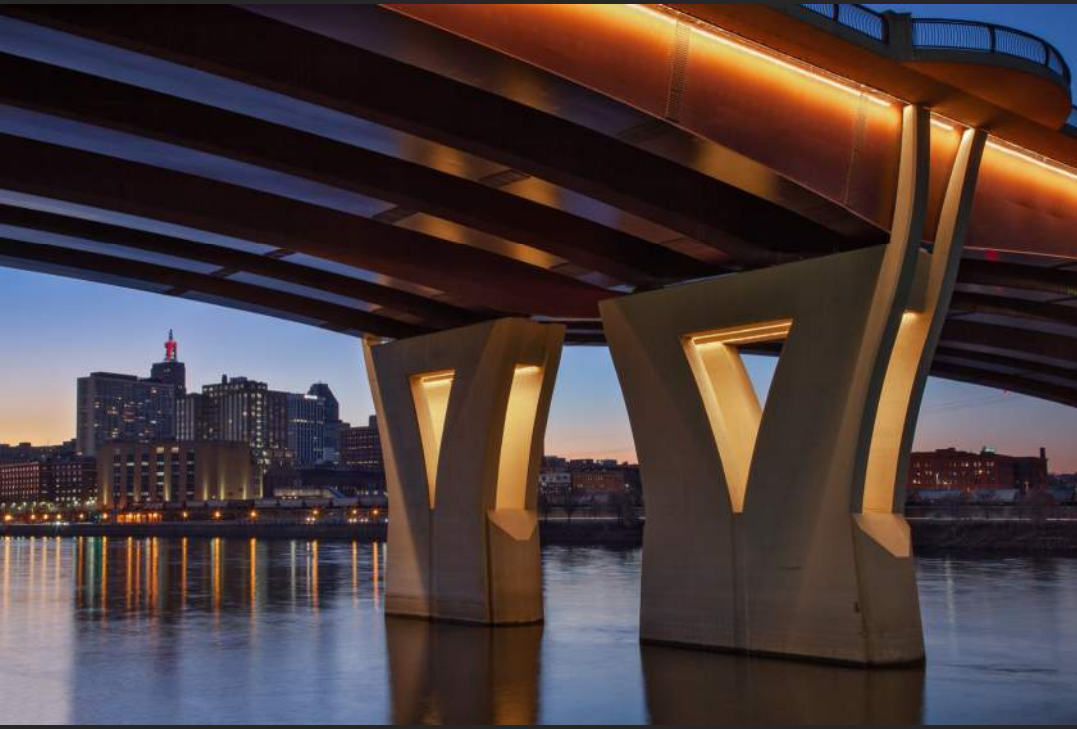
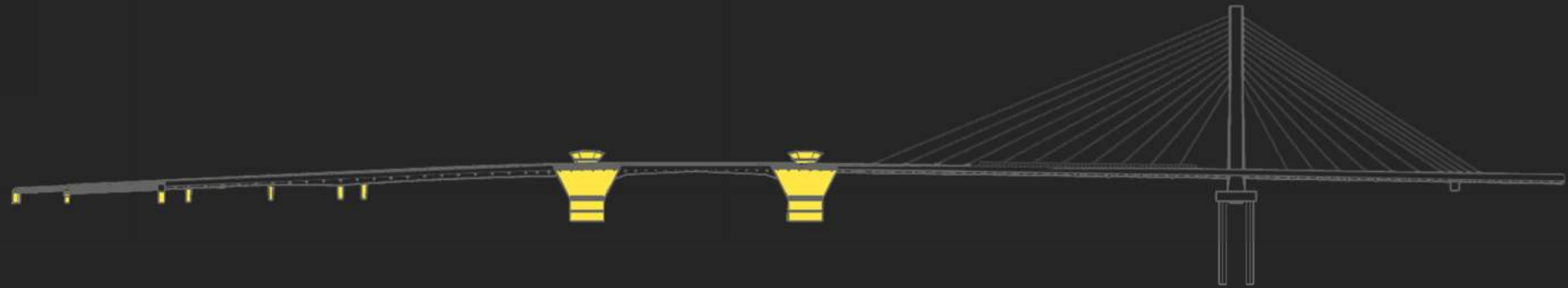
Tower



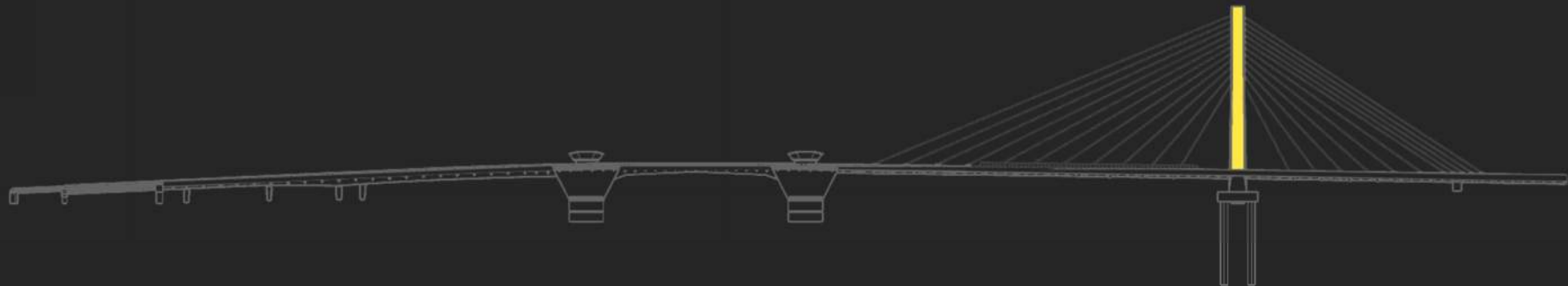
Elements of Light | Girder



Elements of Light | Pier



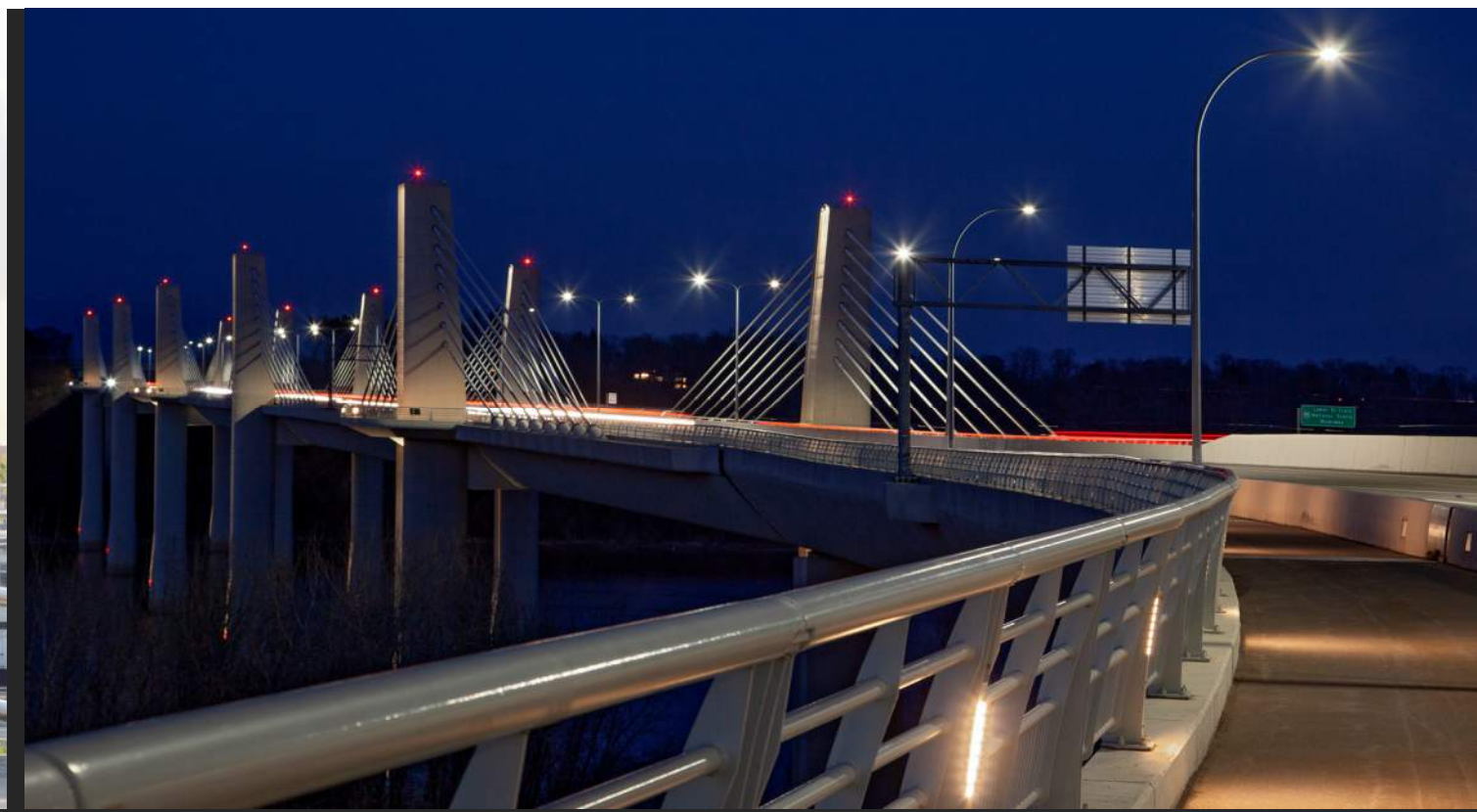
Elements of Light | Tower



Concept Development

- Placemaking
- Community Stakeholders
- Unique features of the structure
- Viewsheds

I-74 Mississippi River Bridge



LIGHTING FOR PEDESTRIAN & CYCLISTS' ON-BRIDGE EXPERIENCE



LIGHTING FOR UNDER-BRIDGE EXPERIENCE



CONNECTING TO THE COMMUNITY & ACCENTUATING STRUCTURAL FEATURES



BEACON OF SAFETY TO THE COMMUNITY

Guiding Principles

- Incorporating Community Guiding Principles
- Consulting with the CDAG
- Delivering a Community Responsive Design

Veterans' Glass City Skyway Bridge

Thank You

HLBlighting.com

HLB



Public Comment

Public Comment

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

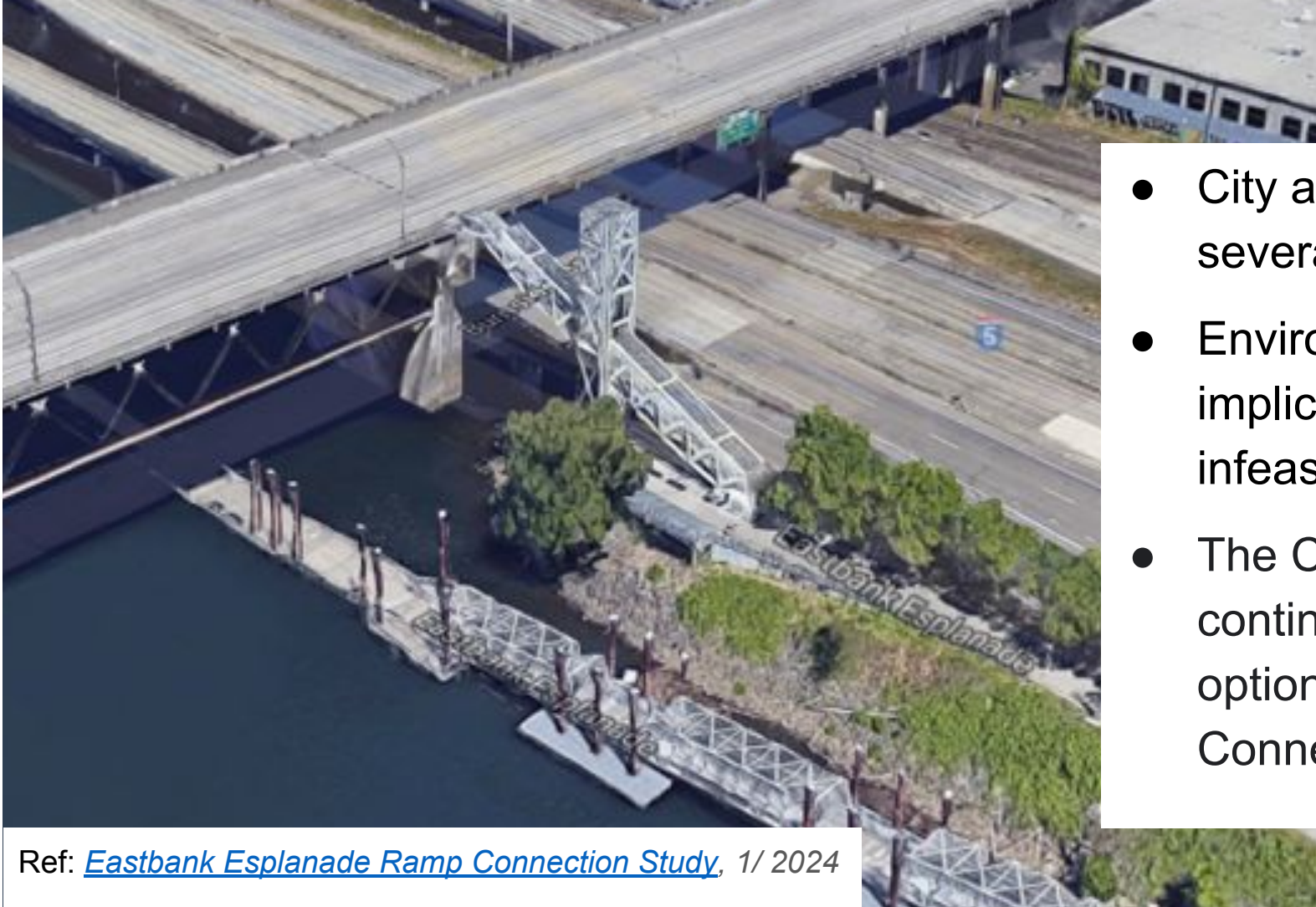


If you have questions that you would like a response to, please submit them to burnsidebridge@multco.us.

Eastbank Esplanade Update

A large, ornate neon sign for 'Cleveland Original Old Town' is visible in the background. The sign features a bucking horse at the top, the word 'Cleveland' in a cursive script, 'Original' in a bold, blocky font, and 'OLD TOWN' in a simple, sans-serif font at the bottom. The sign is set against a dark, textured background.

Eastbank Esplanade Connection Status



- City and County jointly studied several ramp options in 2023/24.
- Environmental impacts and cost implications made the ramp option infeasible.
- The County, PBOT and PPR are continuing to meet to consider other options for an Esplanade Connection.

An aerial photograph of a city bridge spanning a river, overlaid with a semi-transparent blue filter. The bridge features a prominent tower structure on the right side. In the background, a city skyline with various buildings is visible. The text 'Next Steps' is centered in white, bold font.

Next Steps

Upcoming CDAG Meetings:

- January 23rd, 2025
- March 2025 (TBD)



Closing Remarks



Thank you!