



Broadway Avenue Bridge Replacement

Design Workshop #3
August 22, 2013





Our Mission

Your Safety.

Your Mobility.

Your Economic
Opportunity.





WELCOME

Dave Kuisti, Idaho Transportation Department



Welcome

- Thank you
- ITD is committed to working with the community in developing and constructing this important project
- Scope, schedule and budget





Your involvement

- Workshop #1 and #2 have been very successful
- Thank you for your time and input

Stay involved

- Work still needs to be done
- Final design
- Construction





WORKSHOP OBJECTIVES & LOGISTICS

Rosemary Curtin, RBCI



Purpose of Workshop #2

- Provide a project update
- Present outcomes of Workshop #3
- Gather input on further developed design elements
- Discuss next steps

Logistics

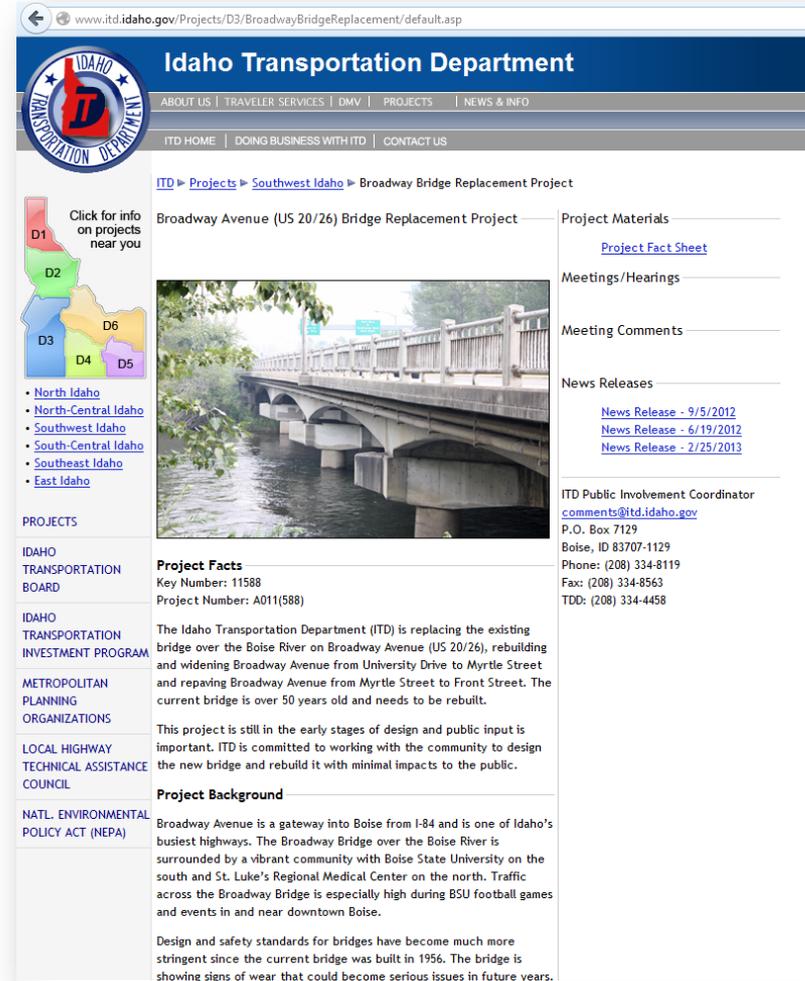
- Summary of Workshop #2
- Handouts and comment sheets
- Working groups
- Facilities and breaks

Working Groups

- Facilitated discussion
 - Options
 - Gather input on further developed options
- Comment sheets
- Workshop wrap-up
- Summary
- Next steps

Website

- <http://itd.idaho.gov/projects/d3/BroadwayBridgeReplacement/>



The screenshot displays the Idaho Transportation Department (ITD) website for the Broadway Avenue Bridge Replacement project. The page features a navigation menu with links for 'ABOUT US', 'TRAVELER SERVICES', 'DMV', 'PROJECTS', and 'NEWS & INFO'. The main content area includes a breadcrumb trail: 'ITD > Projects > Southwest Idaho > Broadway Bridge Replacement Project'. A map of Idaho highlights the project area in the southwest. A photograph shows the existing bridge over the Boise River. The page provides project details, including the key number (11588) and project number (A011(588)). It also includes sections for 'Project Facts', 'Project Background', and 'Project Materials'. The 'Project Materials' section lists links for 'Project Fact Sheet', 'Meetings/Hearings', 'Meeting Comments', and 'News Releases'. The 'News Releases' section lists three releases from 2012 and 2013. The 'ITD Public Involvement Coordinator' contact information is provided at the bottom right.

www.itd.idaho.gov/Projects/D3/BroadwayBridgeReplacement/default.asp

Idaho Transportation Department

ABOUT US | TRAVELER SERVICES | DMV | PROJECTS | NEWS & INFO

ITD HOME | DOING BUSINESS WITH ITD | CONTACT US

ITD > Projects > Southwest Idaho > Broadway Bridge Replacement Project

Broadway Avenue (US 20/26) Bridge Replacement Project

Project Materials

[Project Fact Sheet](#)

Meetings/Hearings

Meeting Comments

News Releases

[News Release - 9/5/2012](#)
[News Release - 6/19/2012](#)
[News Release - 2/25/2013](#)

ITD Public Involvement Coordinator
comments@itd.idaho.gov
P.O. Box 7129
Boise, ID 83707-1129
Phone: (208) 334-8119
Fax: (208) 334-8563
TDD: (208) 334-4458

PROJECTS

IDAHO TRANSPORTATION BOARD

IDAHO TRANSPORTATION INVESTMENT PROGRAM

METROPOLITAN PLANNING ORGANIZATIONS

LOCAL HIGHWAY TECHNICAL ASSISTANCE COUNCIL

NATL. ENVIRONMENTAL POLICY ACT (NEPA)

Project Facts
Key Number: 11588
Project Number: A011(588)

The Idaho Transportation Department (ITD) is replacing the existing bridge over the Boise River on Broadway Avenue (US 20/26), rebuilding and widening Broadway Avenue from University Drive to Myrtle Street and repaving Broadway Avenue from Myrtle Street to Front Street. The current bridge is over 50 years old and needs to be rebuilt.

This project is still in the early stages of design and public input is important. ITD is committed to working with the community to design the new bridge and rebuild it with minimal impacts to the public.

Project Background

Broadway Avenue is a gateway into Boise from I-84 and is one of Idaho's busiest highways. The Broadway Bridge over the Boise River is surrounded by a vibrant community with Boise State University on the south and St. Luke's Regional Medical Center on the north. Traffic across the Broadway Bridge is especially high during BSU football games and events in and near downtown Boise.

Design and safety standards for bridges have become much more stringent since the current bridge was built in 1956. The bridge is showing signs of wear that could become serious issues in future years.





PROJECT UPDATE

Mark Campbell, Idaho Transportation Department



The project includes:

- Designing a new bridge and roadway improvements
- Removing and rebuilding the Broadway Bridge
- Widening and repaving Broadway Avenue between University Drive and Front Street
- Repaving Broadway Avenue between Myrtle Street and Front Street

The project includes:

- Improving the Greenbelt pathway near the bridge
- Improving traffic flow and pedestrian/bicycle safety on Broadway Avenue between University Drive and Front Street



Schedule

- **Design:** Spring/Summer 2013
- **Environmental evaluation:** Summer 2013
- **Public open house:** Fall 2013
- **Complete design:** Spring/Summer 2014
- **Obtain environmental clearance:** Summer 2014
- **Begin construction:** Winter 2014
- **Complete construction:** Fall 2015

Environmental/Utilities Work

- Ongoing
- Environmental clearance
- Utility coordination

Construction Phase Options

- Partial or full closure
- Project duration
- Impact on the public
- Analysis



ITD's Preference

- ITD's preference is full closure
 - Best decision
 - Will allow ITD to complete project quickly
 - Lower construction costs

Outcomes from Workshop #2

- What we heard
- How we used your input

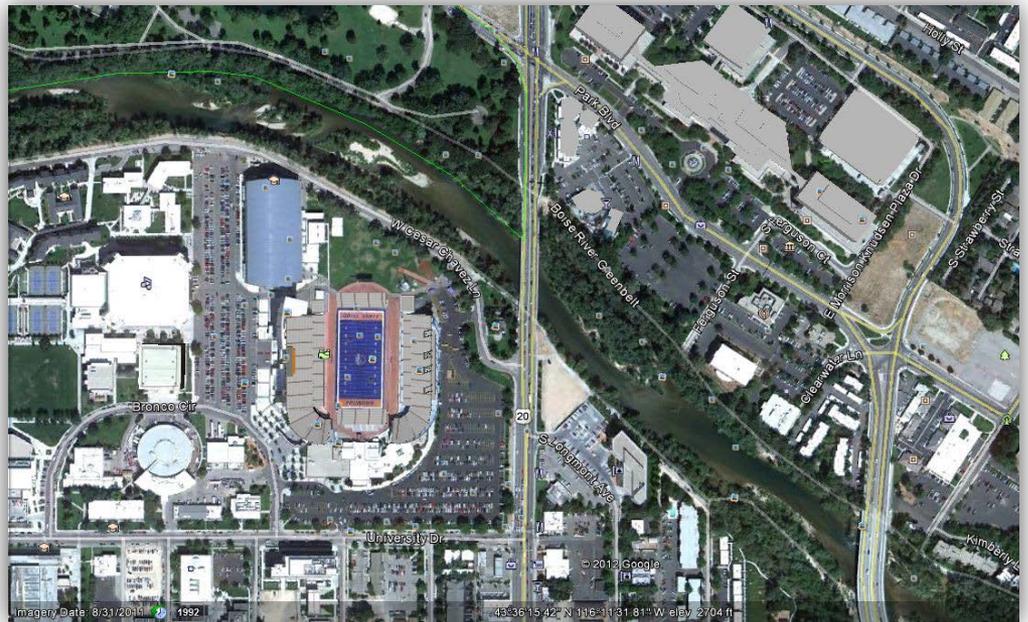


Key Findings

- The bridge should be beautiful on its own, not because of added art or treatments
 - Use natural materials versus fake treatments
 - No veneers or phony facades should be used

Key Findings

- Bridge should be a landmark serving as a gateway between Boise State University and downtown Boise



Key Findings

- Bridge should reflect the surroundings
 - Elements should connect to the natural environment
 - Each element of the project needs to be tied together in an overall theme

Key Findings

- Railing or railings need to be as open as possible for drivers, bicyclists and pedestrians to view the river

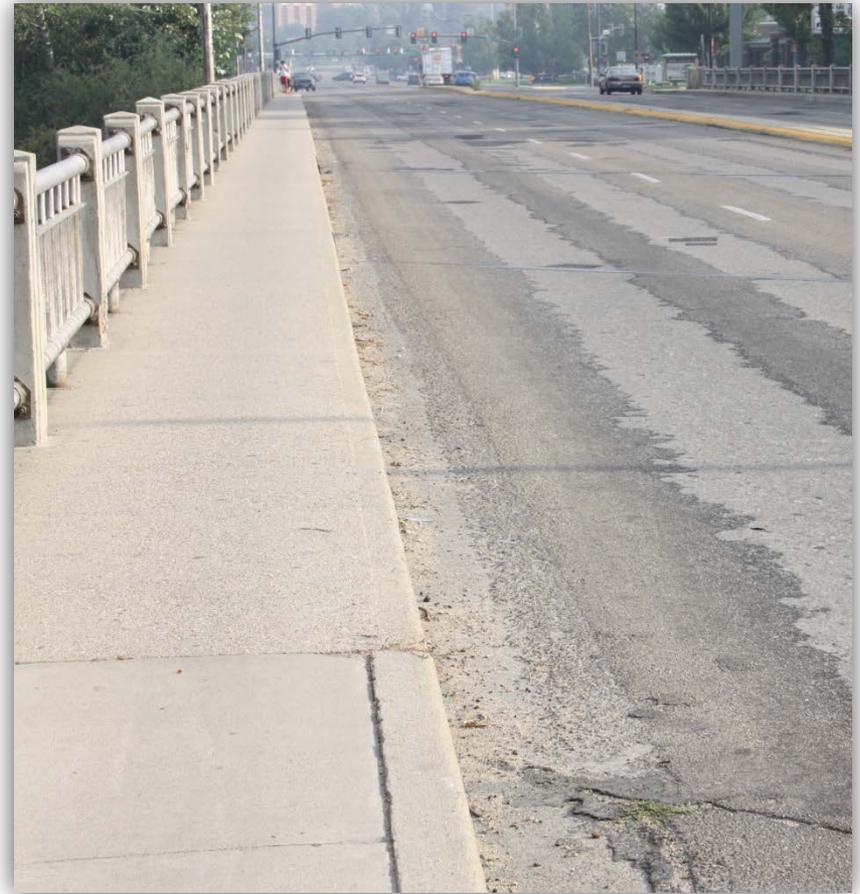


Key Findings

- Belvederes should be incorporated into the bridge design
 - Belvederes should be placed at each pier
 - Consider using glass as the bottom of each belvedere

Key Findings

- Support for some type of surface treatment or design on the sidewalks



Key Findings

- The bridge and Greenbelt should be easy to maintain and able to withstand vandalism



How We've Used Your Input

- Listened to feedback from previous workshops
- ITD and City of Boise have worked together to hire a local artist
 - RFP was issued
 - Byron Folwell of Studio Maelstrom LLC was selected
- Design options continue to be further developed



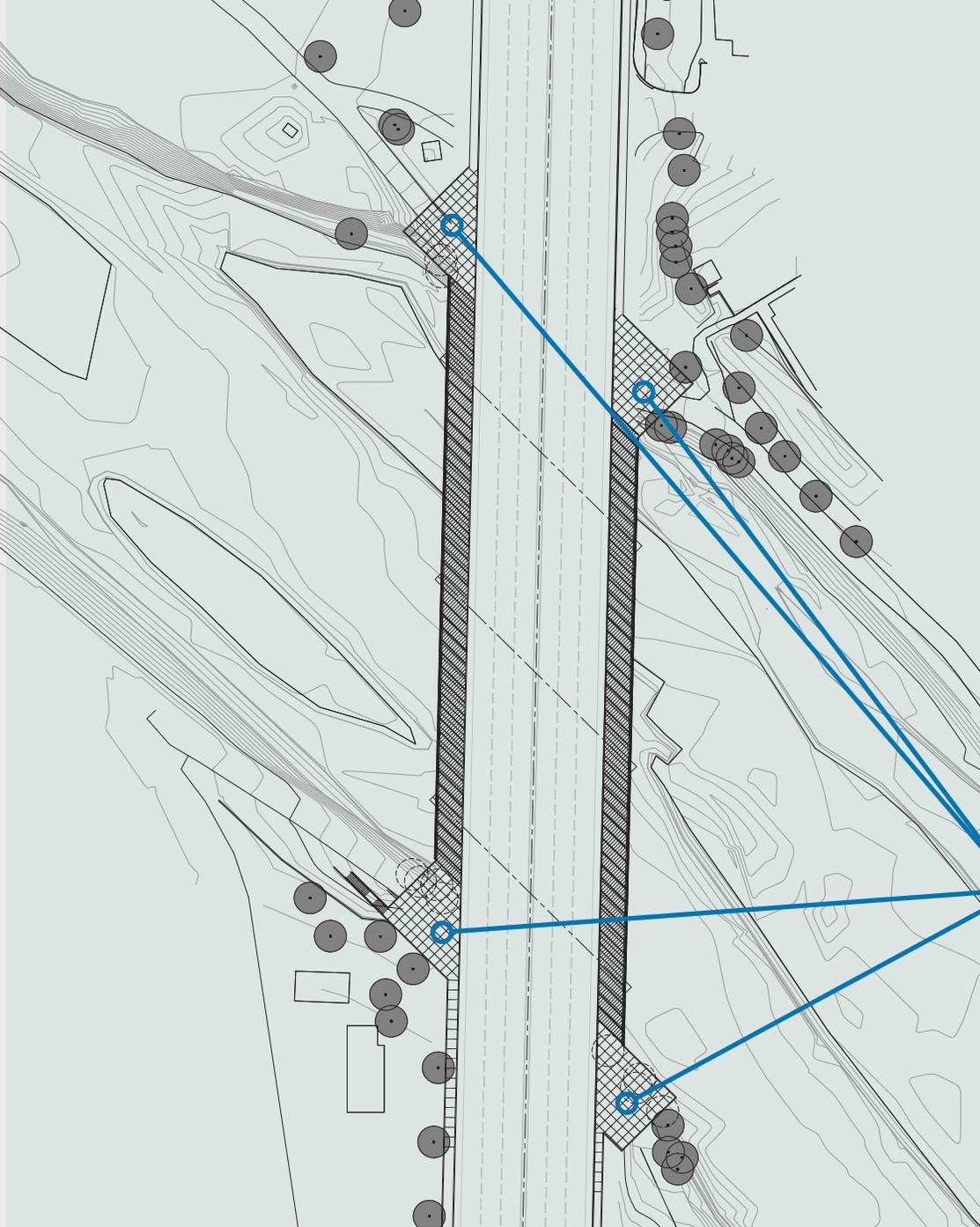
FURTHER DEVELOPED DESIGN OPTIONS

Byron Folwell, Studio Maelstrom LLC



OPTION #1 LIGHT BRIDGE





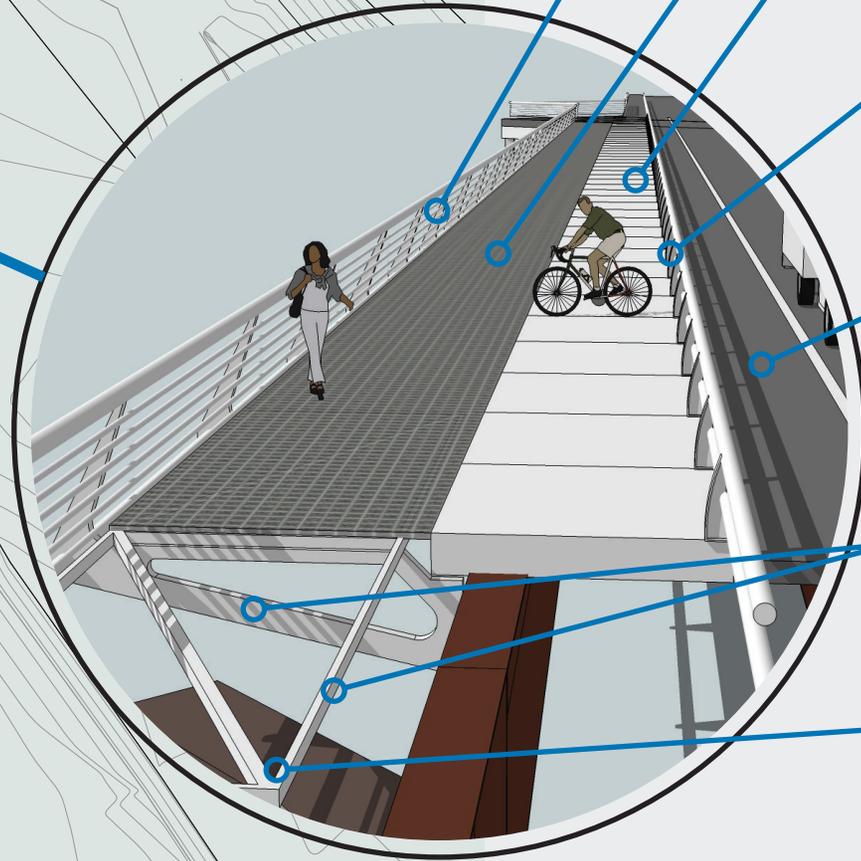
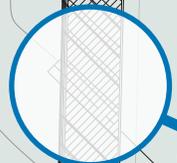
OPTION #1

CONCEPT : LIGHT & LIGHTNESS

- 15'-0" pedestrian way at edges of the bridge switch from "Bridge Construction" to "Architectural Construction".
- Transition from impact barrier to concrete sidewalk to open metal grating walk.
- Open frame construction with open grating walkway allows air, light, and views through.
- Gathering spaces at top of the Greenbelt tunnels, where bridge and Greenbelt connect.



OPTION #1 PEDESTRIAN WAY



**CUSTOM METAL FRAME
RAILING SYSTEM**

**OPEN METAL GRATING
WALKING SURFACE**

7'-0" WIDE CONCRETE SIDEWALK

**TRAFFIC IMPACT BARRIER
PROVIDING POSITIVE
SEPARATION**

BICYCLE LANE

**CUSTOM METAL
WALKWAY FRAMING**

**PROGRAMMABLE
RGB LED LIGHTING**

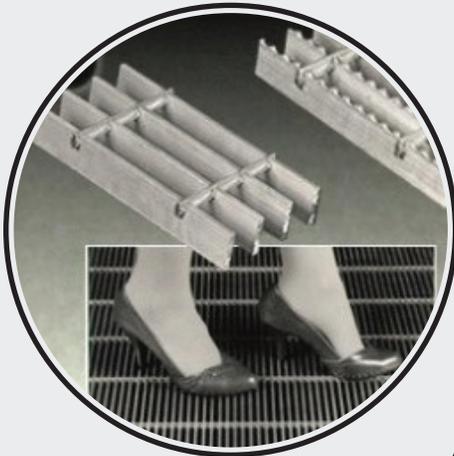


OPTION #1 LIGHTNESS & LIGHT

OTHER LIGHT BRIDGES



OPEN METAL GRATING SYSTEMS

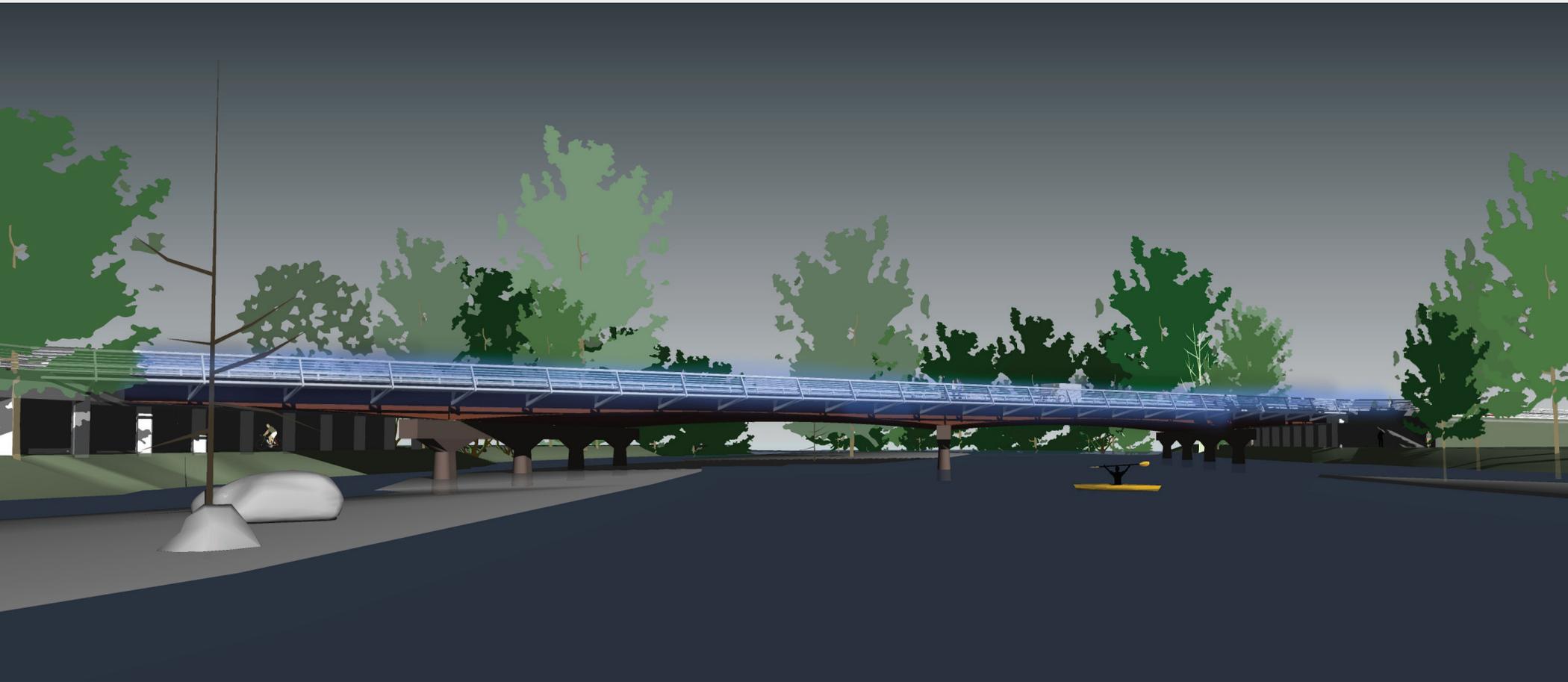


ADA COMPLIANT
& "HEEL PROOF"

STEEL, STAINLESS
STEEL, & ALUMINUM
AVAILABLE

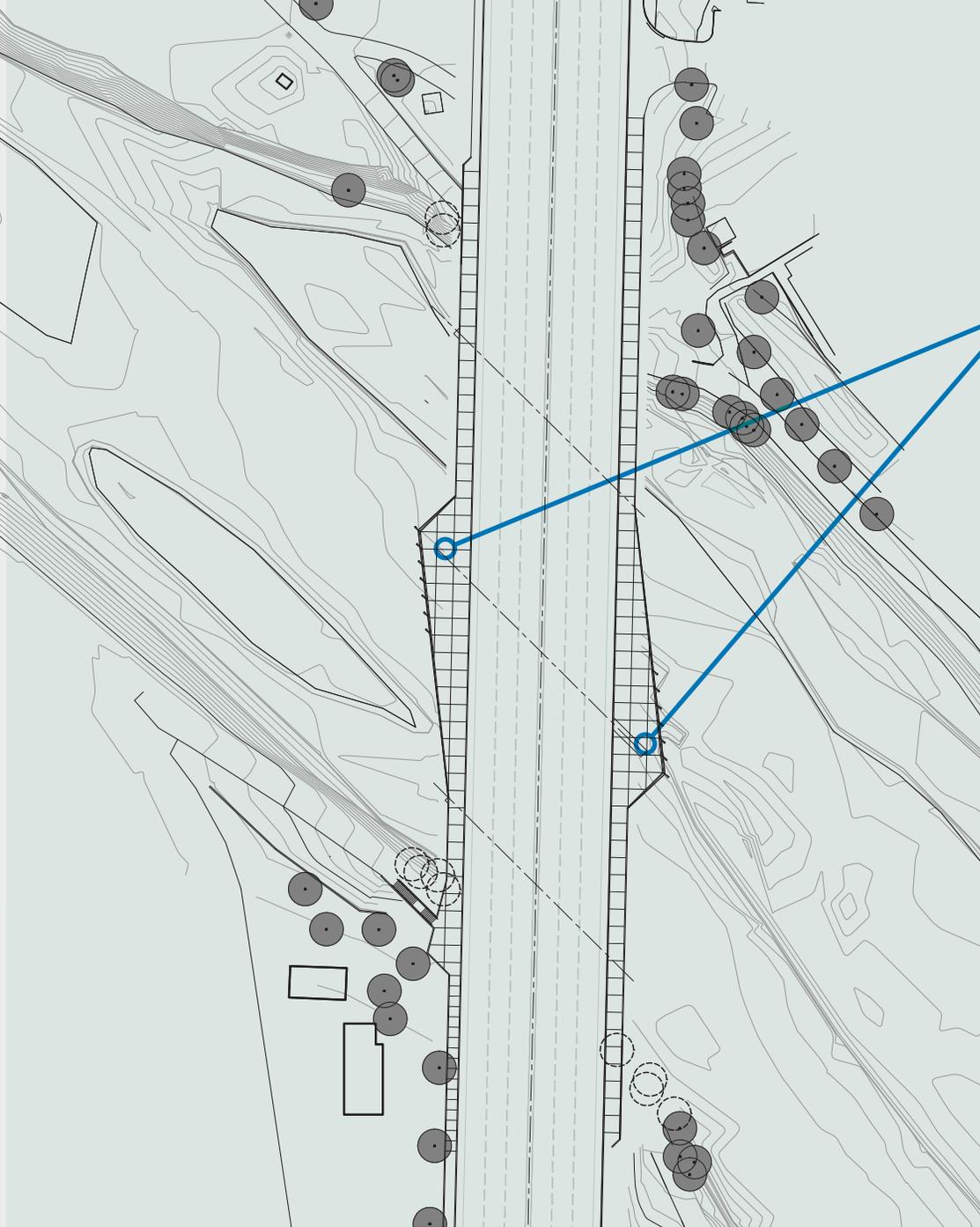


OPTION #1 LIGHT BRIDGE



OPTION #2 GATEWAY BRIDGE





OPTION #2

CONCEPT : GATEWAY

- 10' - 20' wide sidewalk with one belvedere / gathering space at mid-span.
- No positive separation, 6" concrete curb at sidewalk.
- Variety of possible railing elements will give bridge character and identity.
- Night lighting optional.
- Integrated pier caps may be an option.

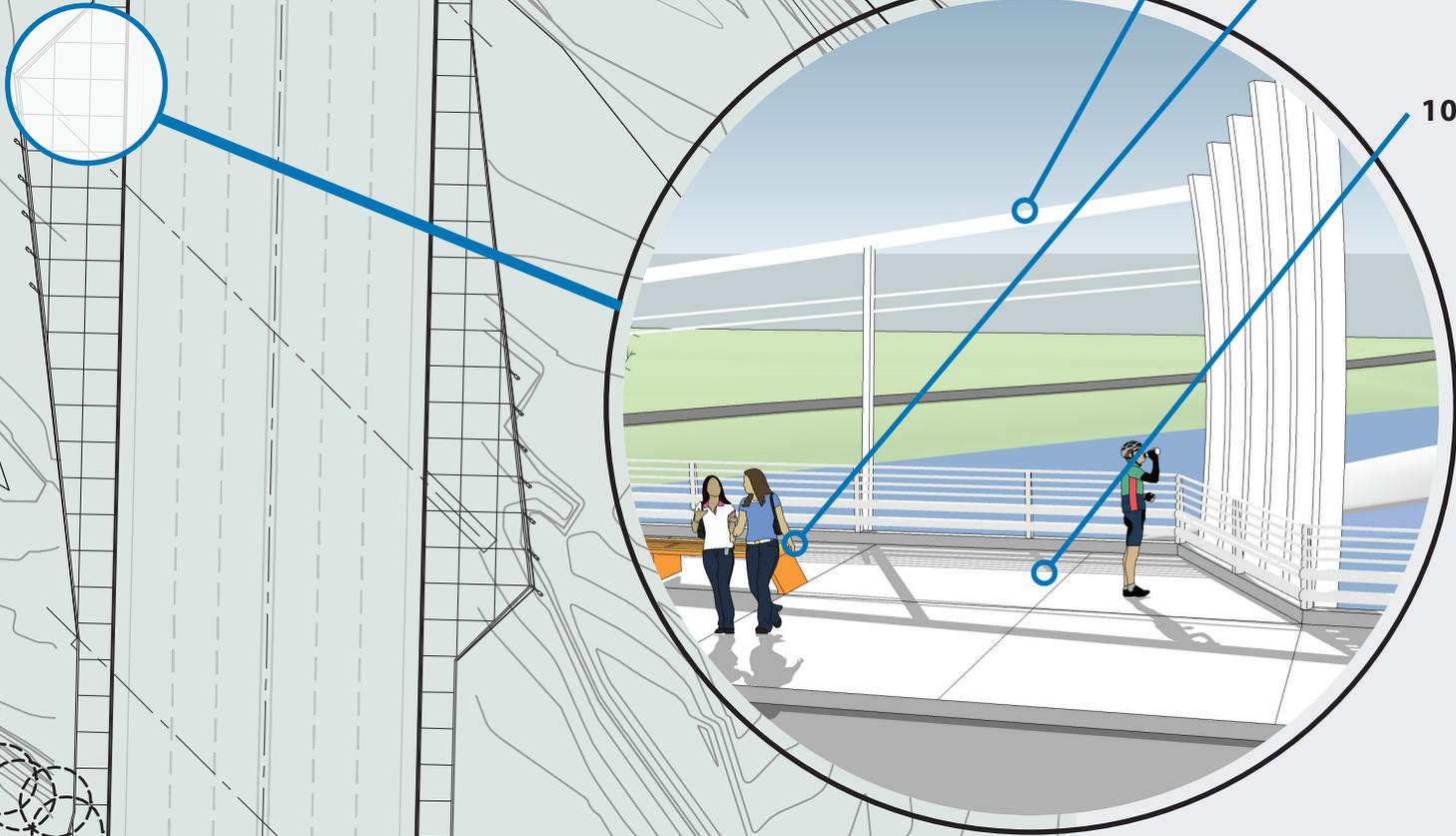


OPTION #2 PEDESTRIAN WAY

CUSTOM METAL FRAME
RAILING ELEMENT

BENCHES AND OTHER
SEATING ELEMENTS OPTIONAL

10' - 20' WIDE CONCRETE SIDEWALK



OPTION #2 RAILING ELEMENT OPTIONS



OPTION 2 - A



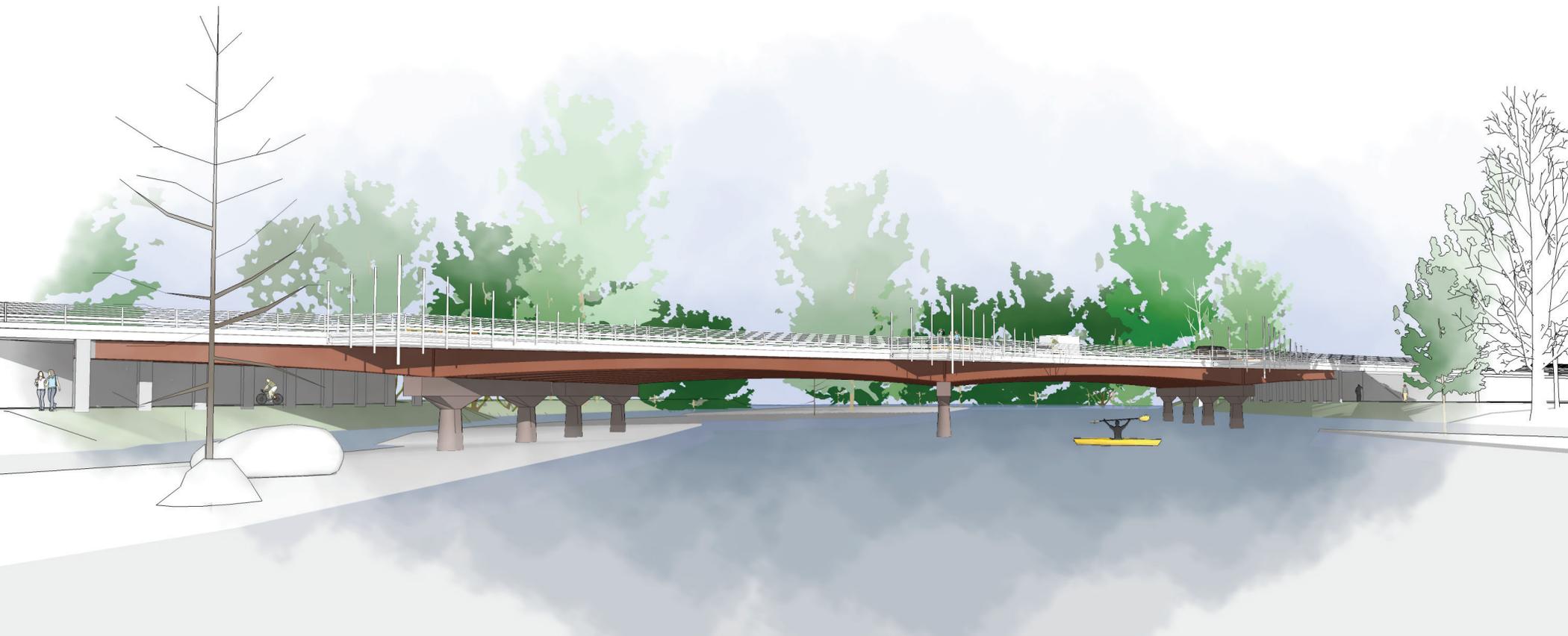
OPTION 2 - B

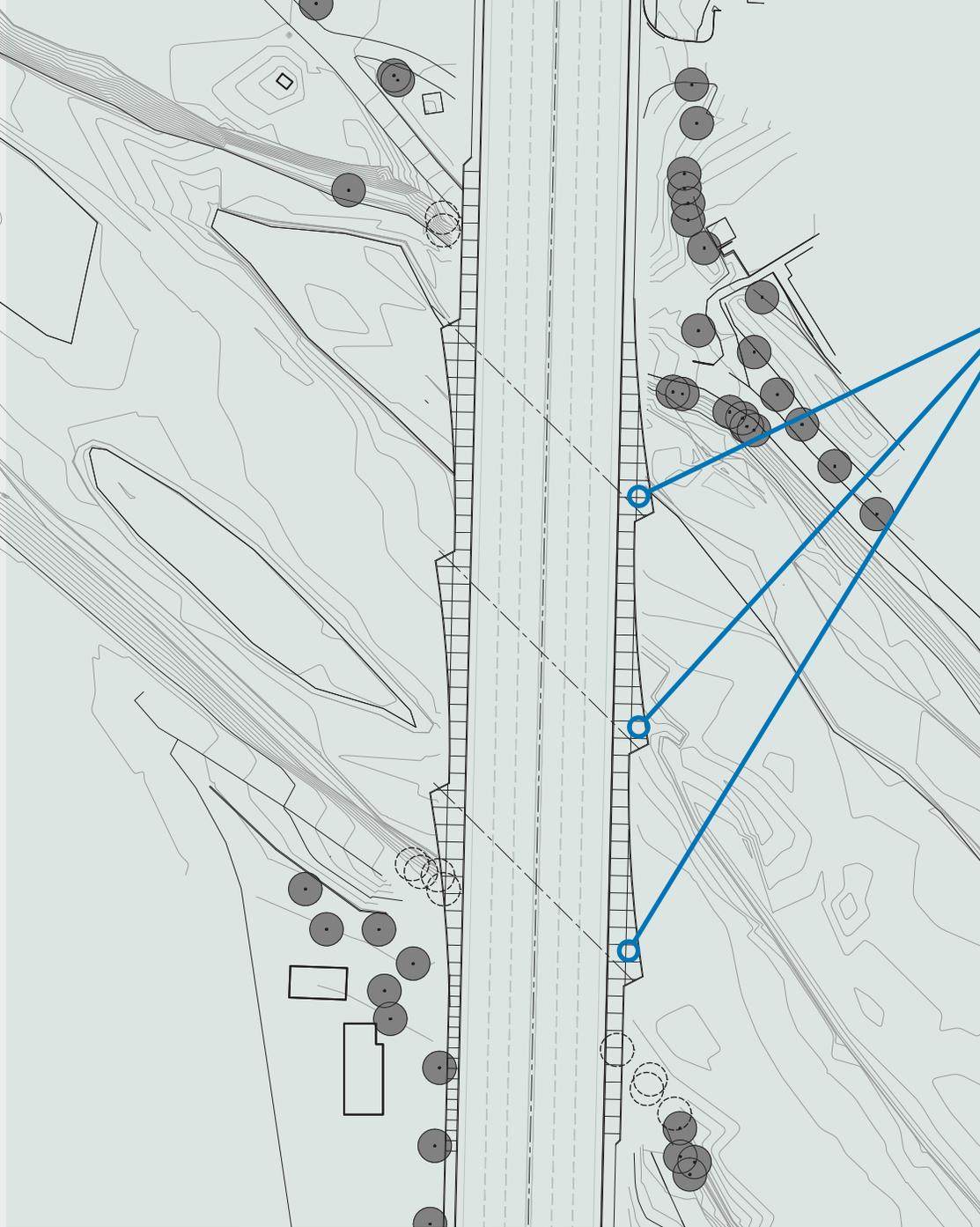


OPTION 2 - C



OPTION #3 BELVEDERE BRIDGE





OPTION #3

CONCEPT : BELVEDERES

- 10' - 20' wide sidewalk with 3 belvedere / gather spaces per side, 6 total.
- No positive separation, 6" concrete curb at sidewalk.
- Variety of possible railing elements will give bridge character and identity.
- Night lighting optional.

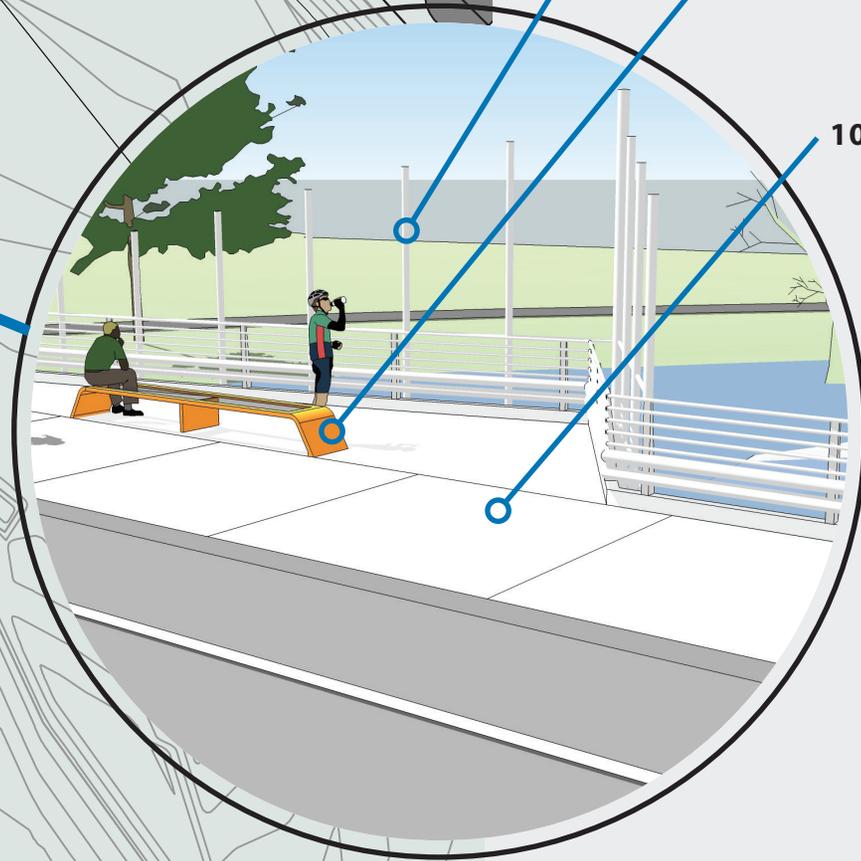


OPTION #3 PEDESTRIAN WAY

CUSTOM METAL FRAME
RAILING ELEMENT

BENCHES AND OTHER
SEATING ELEMENTS OPTIONAL

10' - 20' WIDE CONCRETE SIDEWALK



OPTION #3 RAILING ELEMENT OPTIONS



OPTION 3 - A

OPTION 3 - B



THANK YOU



STUDIO MAELSTROM
ART + ARCHITECTURE + DESIGN

BYRON W. FOLWELL, AIA



BROADWAY BRIDGE - WORKSHOP #3





THANK YOU AND NEXT STEPS

Mark Campbell, Idaho Transportation Department

Rosemary Curtin, RBCI



Next Steps

- Summary of Workshop #3
- All comments will be reviewed
- ITD will continue to further develop design options
- Public open house later this year

Thank You

- Thank you for attending
- Visit the project website
[http://itd.idaho.gov/projects/d3/Broadway
BridgeReplacement/](http://itd.idaho.gov/projects/d3/BroadwayBridgeReplacement/)
- Contact Mark Campbell
ITD Project Manager
334-8946
Mark.campbell@itd.idaho.gov





Working Groups





Broadway Avenue Bridge Replacement

THANK YOU

