Broadway Avenue Bridge Replacement

Design Workshop #3

August 22, 2013

Our Mission

Your Safety.

Your Mobility.

Your Economic Opportunity.

Broadway Avenue Bridge Replacement

WELCOME

Dave Kuisti, Idaho Transportation Department

Broadway Avenue Bridge Replacement

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

Broadway Avenue Bridge Replacement

WORKSHOP OBJECTIVES & LOGISTICS

Rosemary Curtin, RBCI

Broadway Avenue Bridge Replacement

Purpose of Workshop #2

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

Logistics

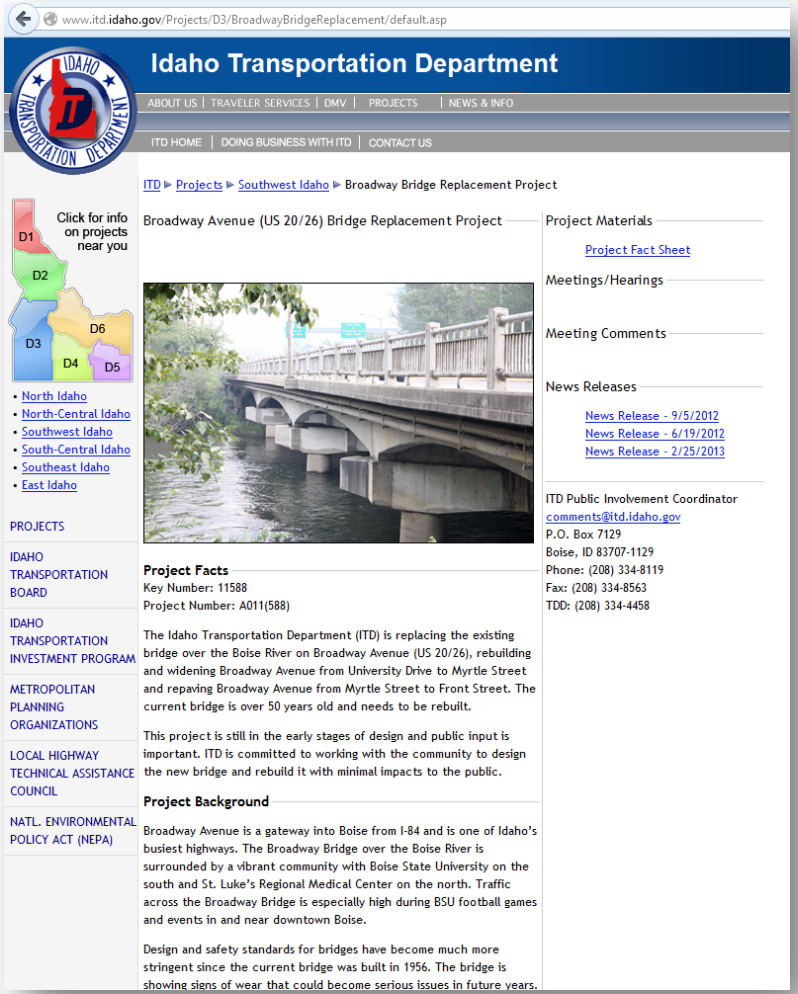
- Summary of Workshop #2
- Handouts and comment sheets
- Working groups
- Facilities and breaks

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/



PROJECT UPDATE

Mark Campbell, Idaho Transportation Department

Broadway Avenue Bridge Replacement

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

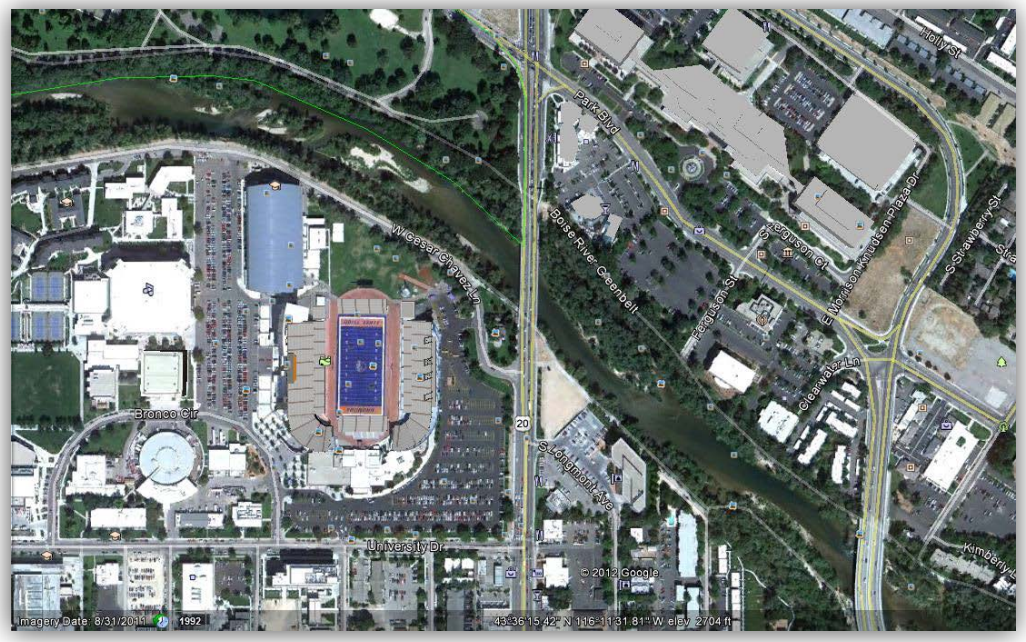
Broadway Avenue Bridge Replacement

Key Findings

- The bridge should be beautiful on it 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

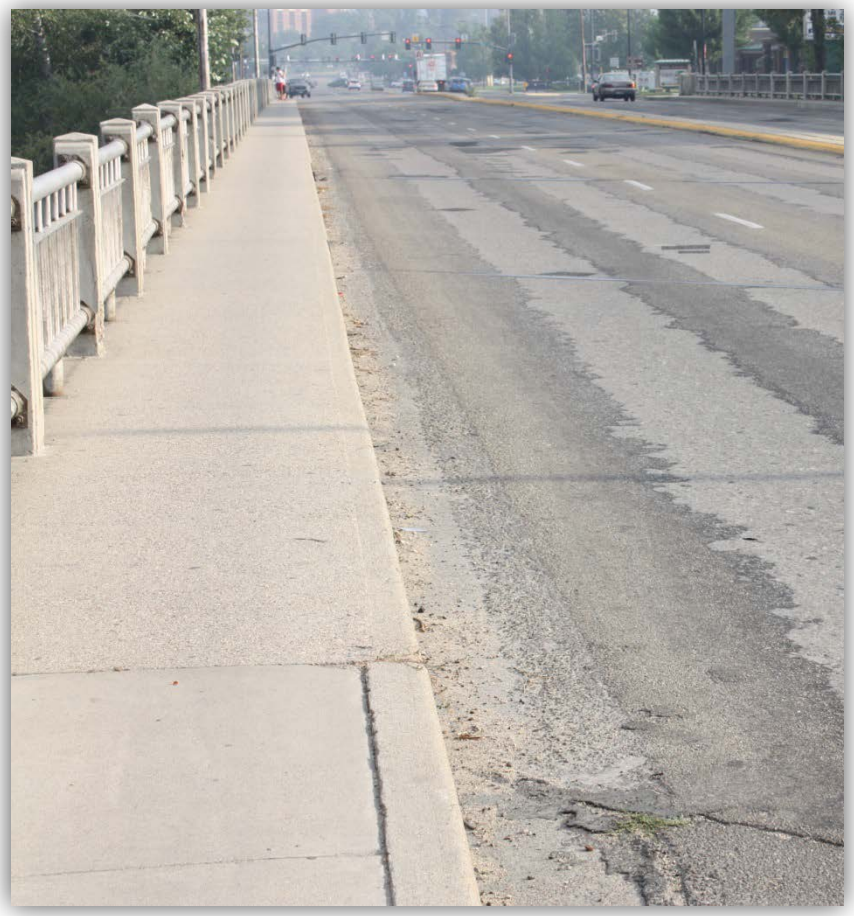
- Railing or railings need to be as open as possible for drivers, bicyclists and pedestrians to view the river

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

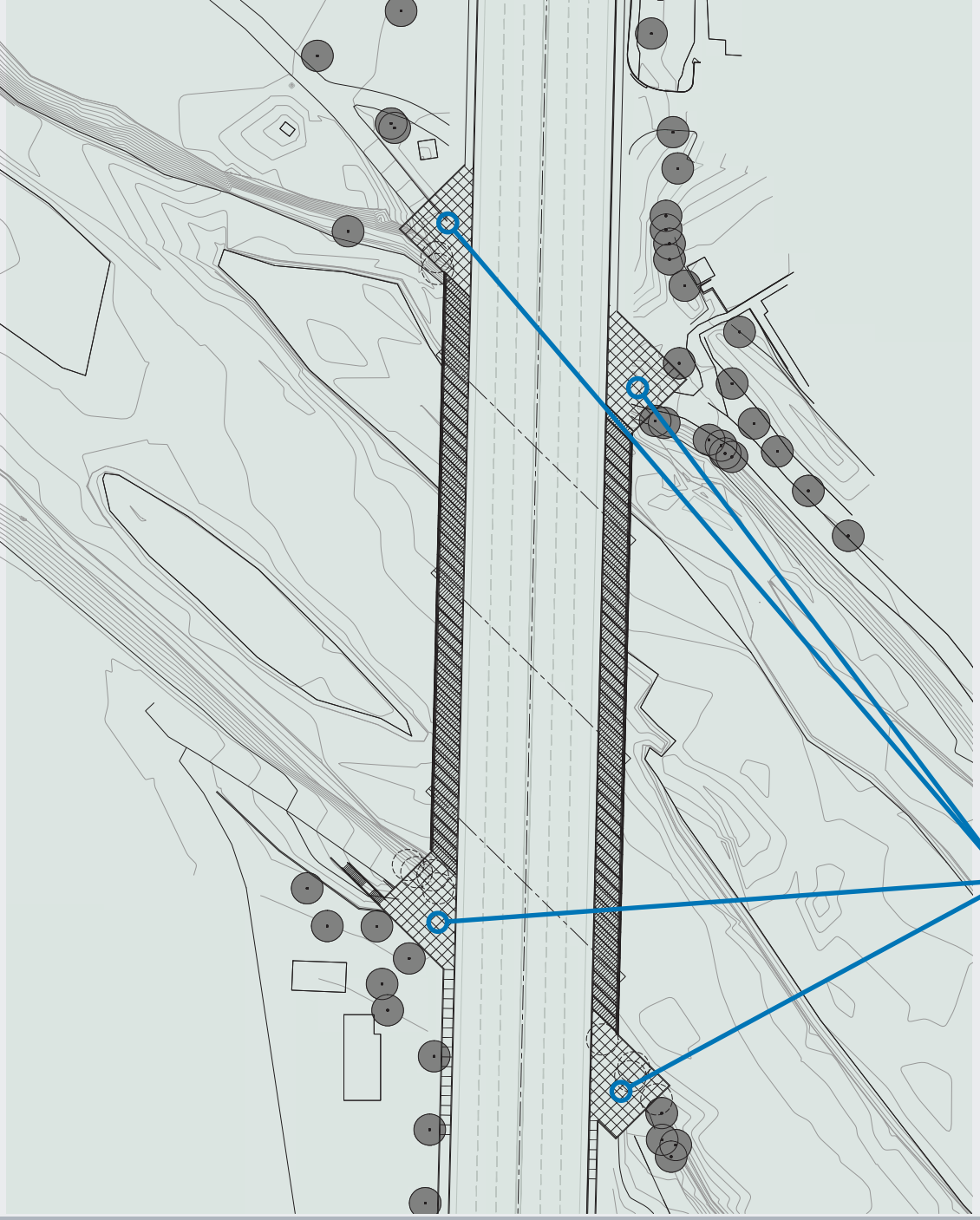
- Listened to feedback from previous workshops
- ITD and City of Boise have worked together to hire a local artist
  - RFP was issued
  - Byron Folwell of Studio Maelstrom LLC was selected
- Design options continue to be further developed

FURTHER DEVELOPED DESIGN OPTIONS

Byron Folwell, Studio Maelstrom LLC

Broadway Avenue Bridge Replacement

OPTION #1
LIGHT BRIDGE

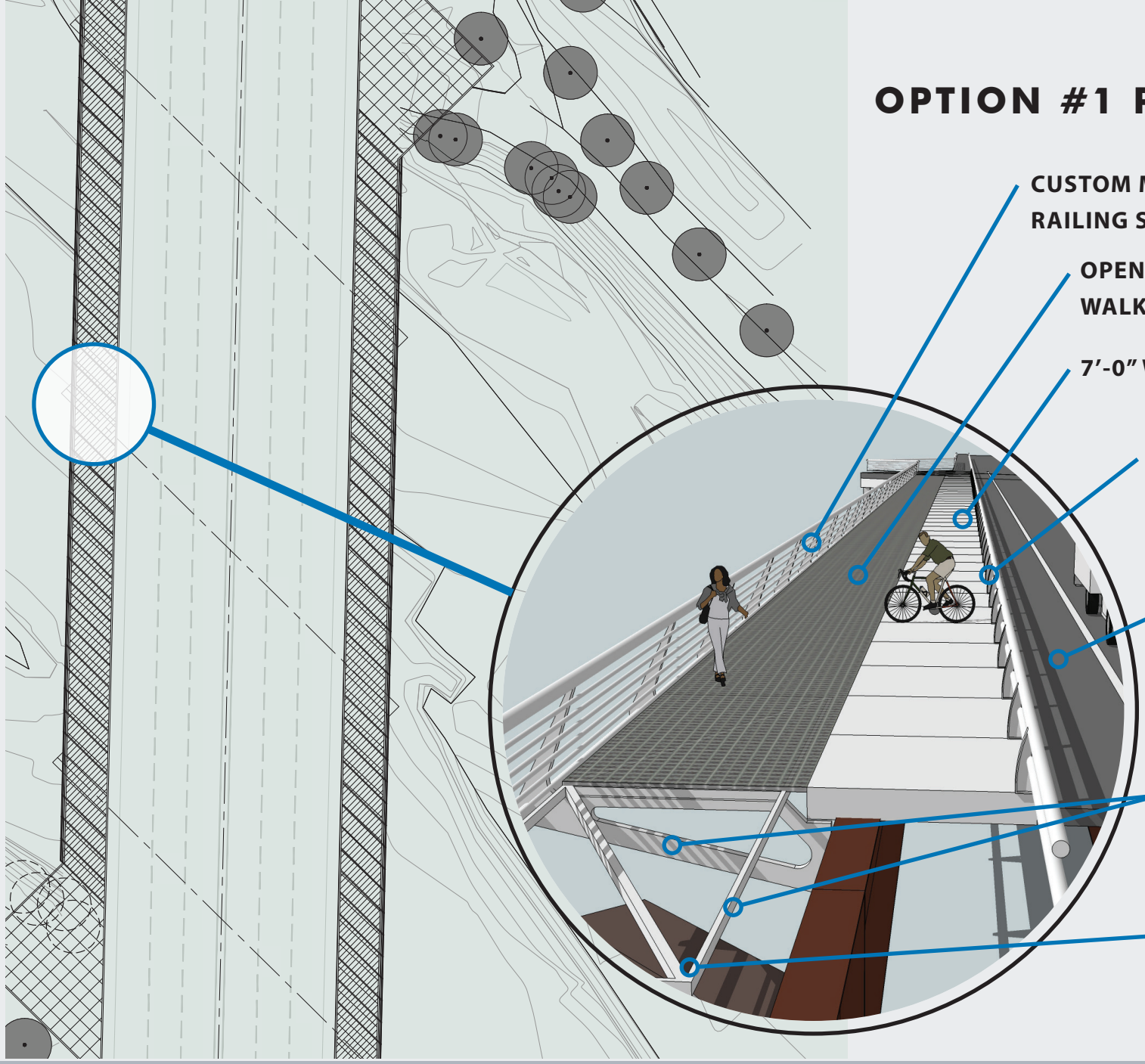


OPTION #1

CONCEPT : LIGHT & LIGHTNESS

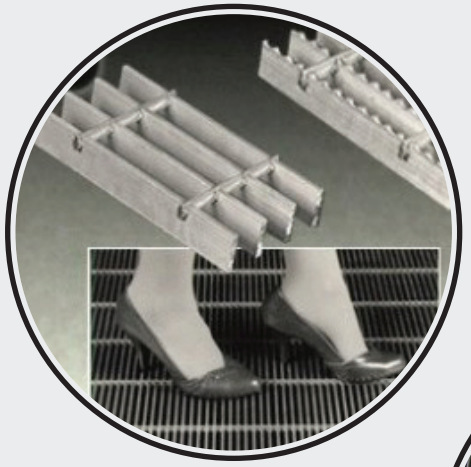
- 15’-0” pedestrian way at edges of the bridge switch from “Bridge Construction” to “Architectural Construction”.
- Transition from impact barrier to concrete sidewalk to open metal grating walk.
- Open frame construction with open grating walkway allows air, light, and views through.
- Gathering spaces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

OPTION #1 PEDESTRIAN WAY

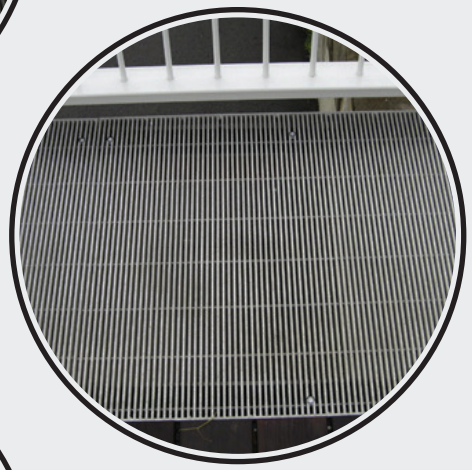


OPTION #1 LIGHTNESS & LIGHT

OPEN METAL GRATING SYSTEMS



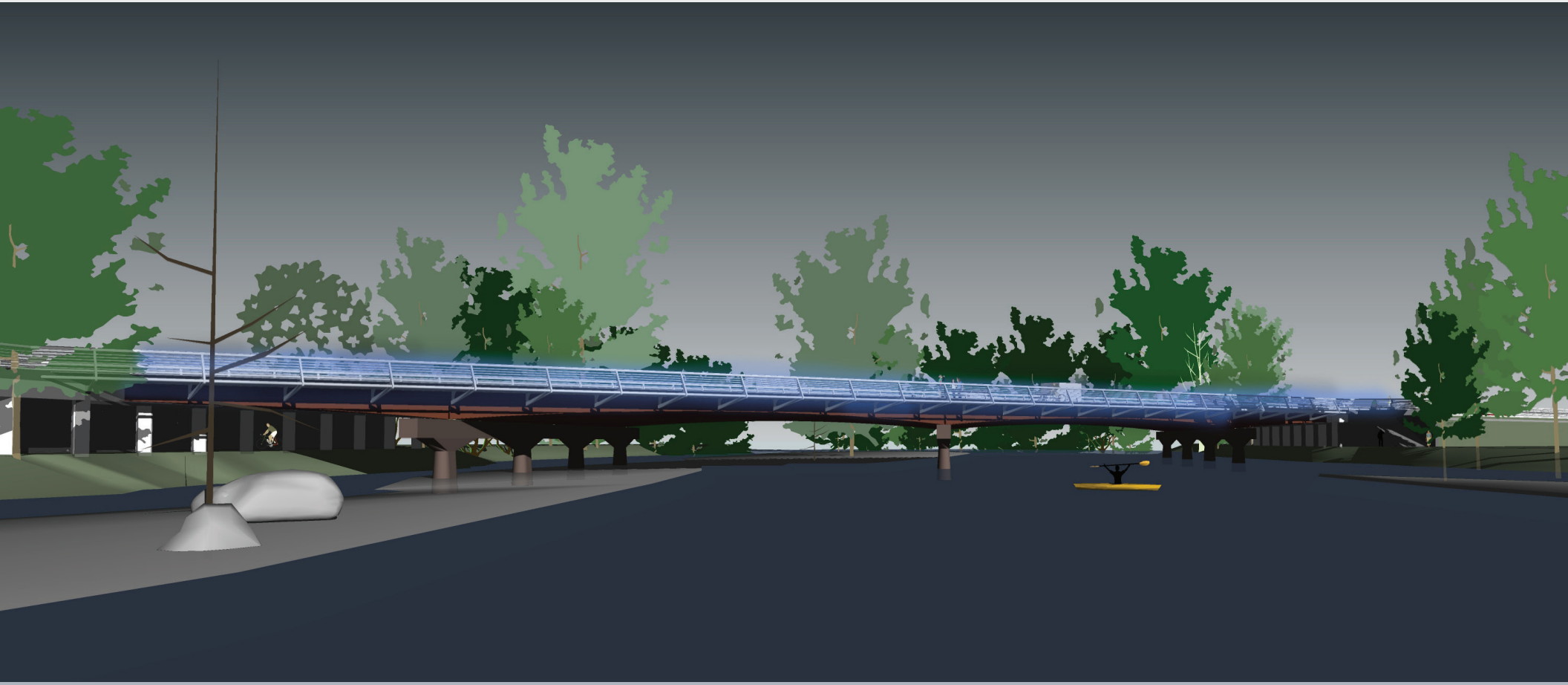
ADA COMPLIANT
& "HEEL PROOF"



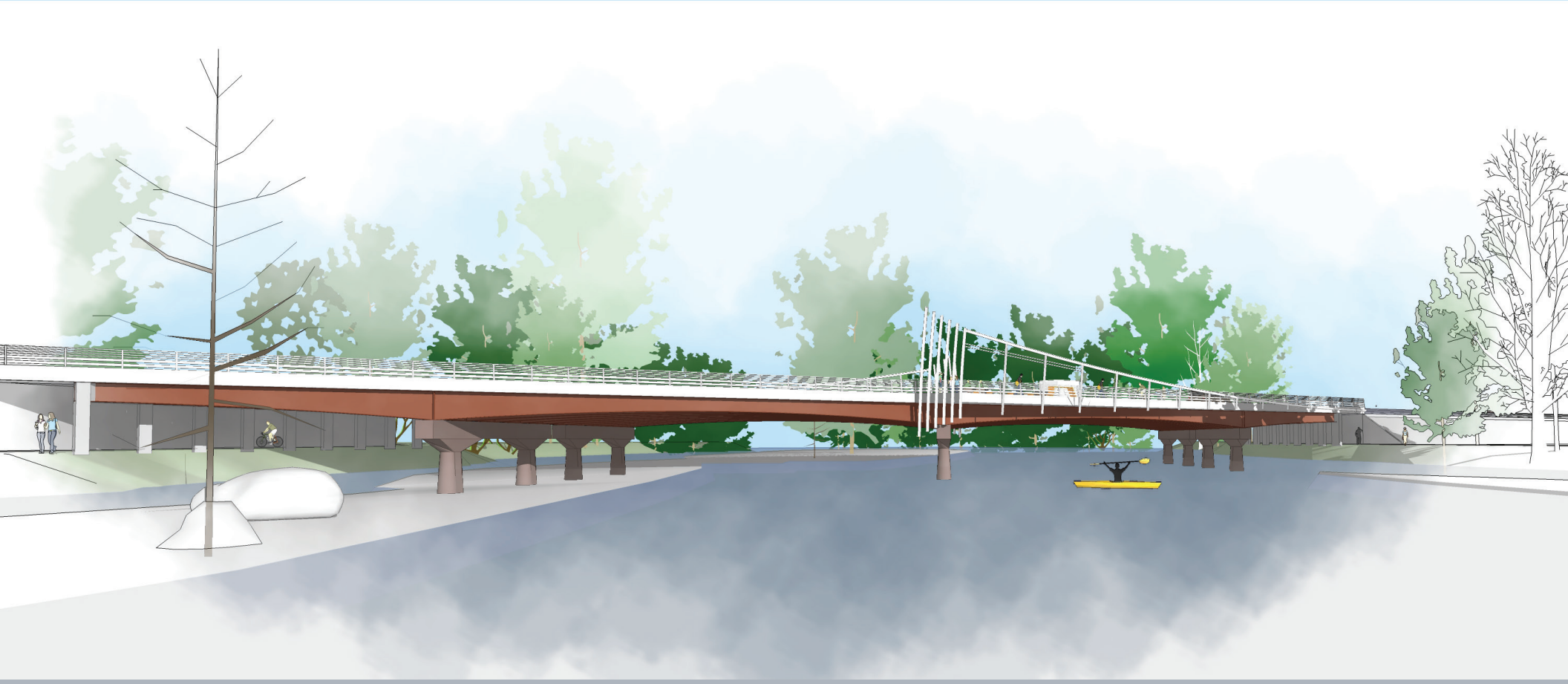
STEEL, STAINLESS
STEEL, & ALUMINUM
AVAILABLE

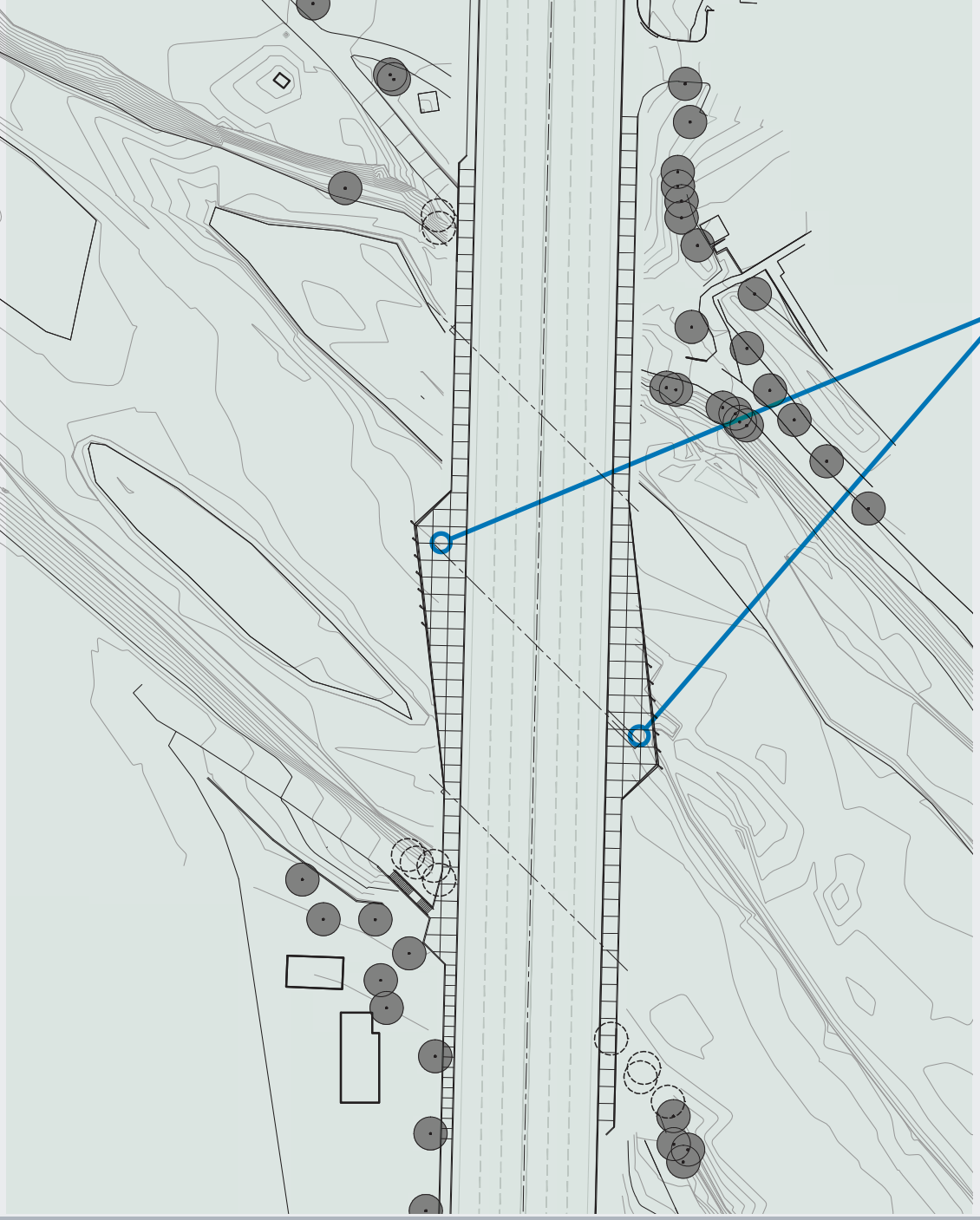
OTHER LIGHT BRIDGES

OPTION #1
LIGHT BRIDGE



OPTION #2
GATEWAY BRIDGE





OPTION #2

CONCEPT : GATEWAY

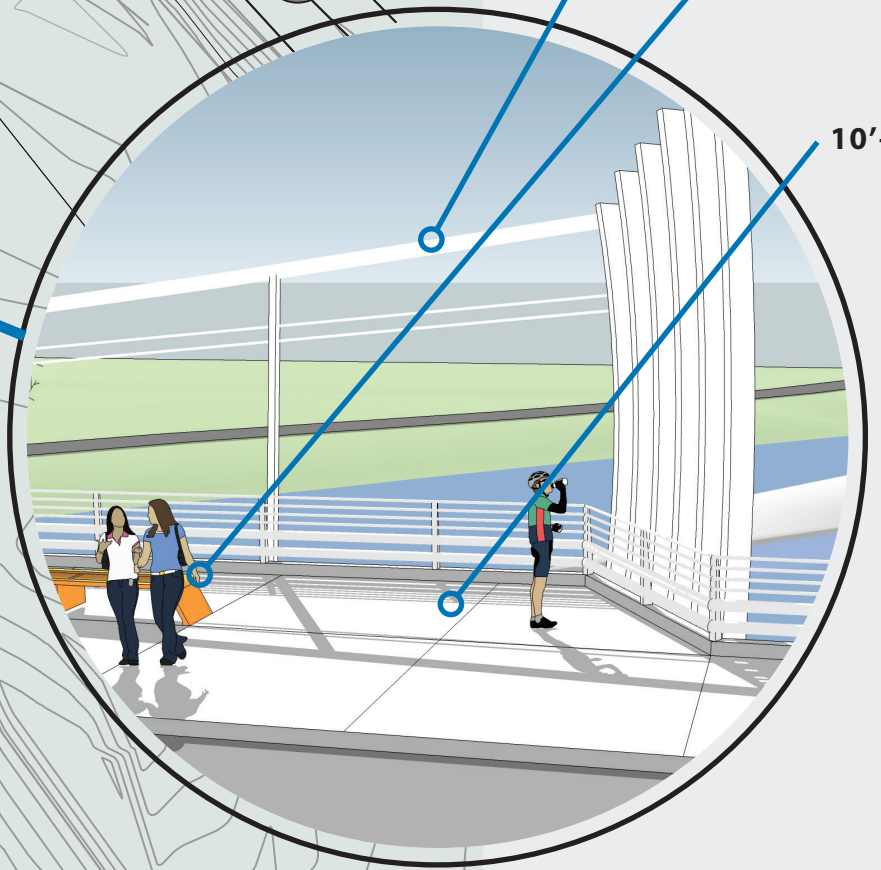
- 10’- 20’ wide sidewalk with one belvedere / gathering space at mid-span.
- No positive separation, 6” concrete curb at sidewalk.
- Variety of possible railing elements will give bridge character and identity.
- Night lighting optional.
- Integrated pier caps may be an option.

OPTION #2 PEDESTRIAN WAY

CUSTOM METAL FRAME
RAILING ELEMENT

BENCHES AND OTHER
SEATING ELEMENTS OPTIONAL

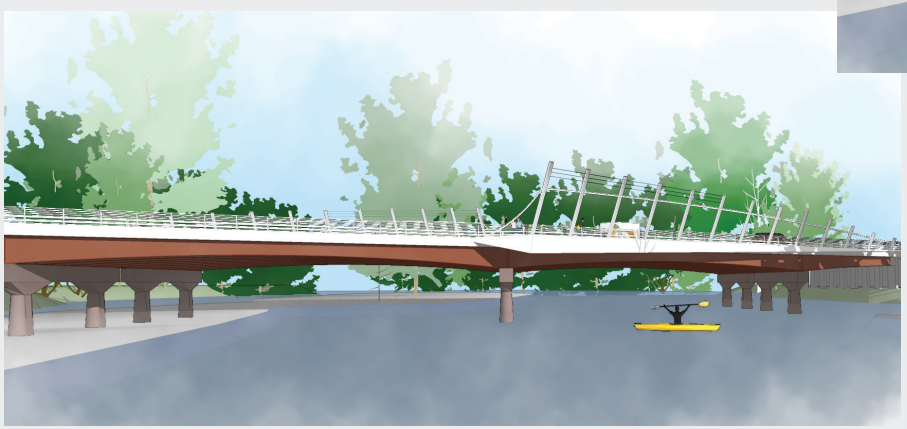
10’- 20’ WIDE CONCRETE SIDEWALK



OPTION #2 RAILING ELEMENT OPTIONS

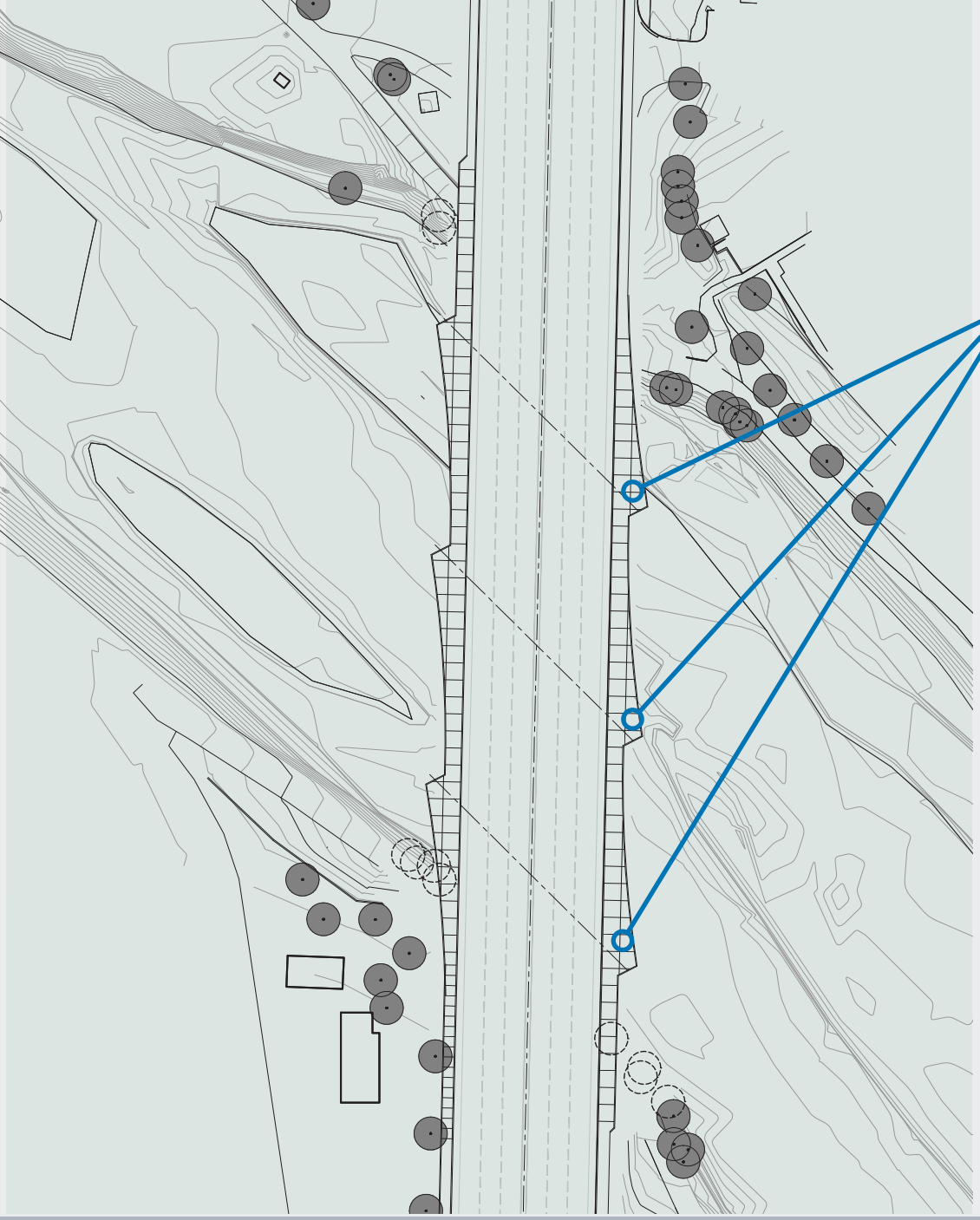
OPTION 2 - A

OPTION 2 - B



OPTION 2 - C

OPTION #3
BELVEDERE BRIDGE

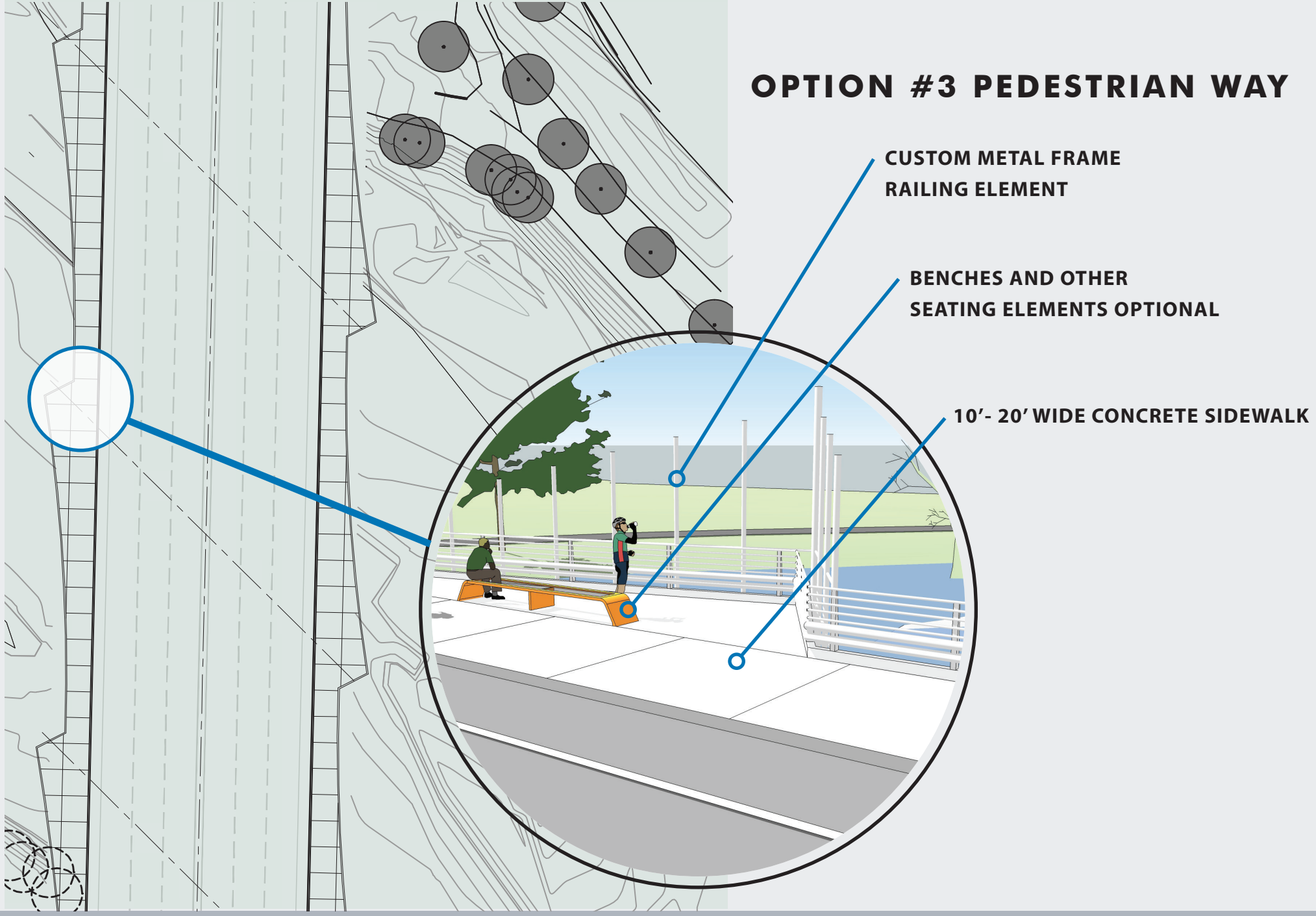


OPTION #3

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.

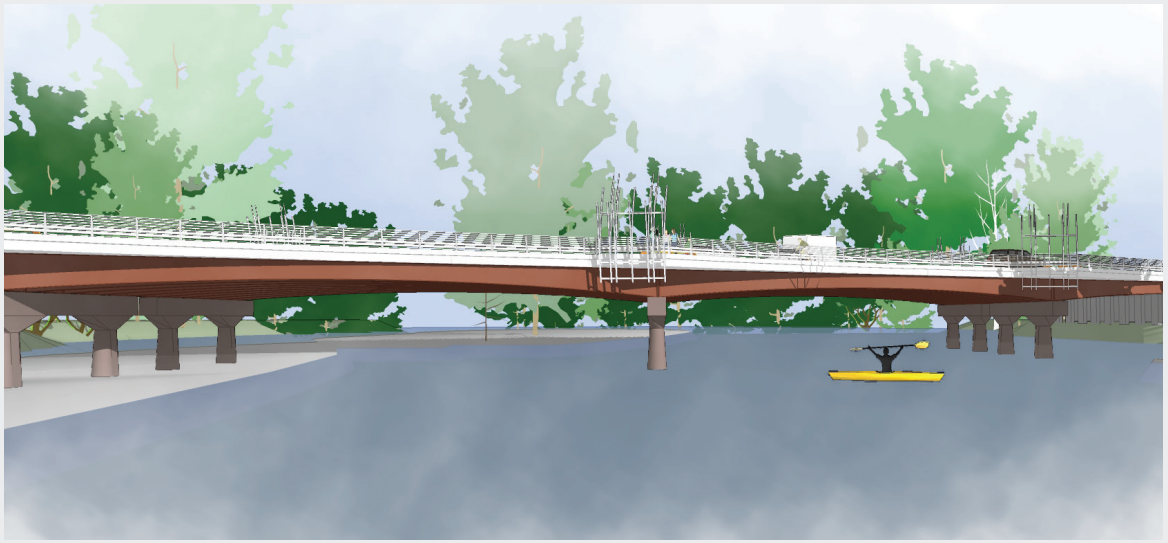
OPTION #3 PEDESTRIAN WAY



OPTION #3 RAILING ELEMENT OPTIONS

OPTION 3 - A

OPTION 3 - B



THANK YOU

STUDIO MAELSTROM
ART + ARCHITECTURE + DESIGN

BYRON W. FOLWELL, AIA

THANK YOU AND NEXT STEPS

Mark Campbell, Idaho Transportation Department
Rosemary Curtin, RBCI

Broadway Avenue Bridge Replacement

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/BroadwayBridgeReplacement/
- Contact Mark Campbell

  ITD Project Manager

  334-8946

  Mark.campbell@itd.idaho.gov

Working Groups

Broadway Avenue
Bridge Replacement

Broadway Avenue Bridge Replacement

THANK YOU