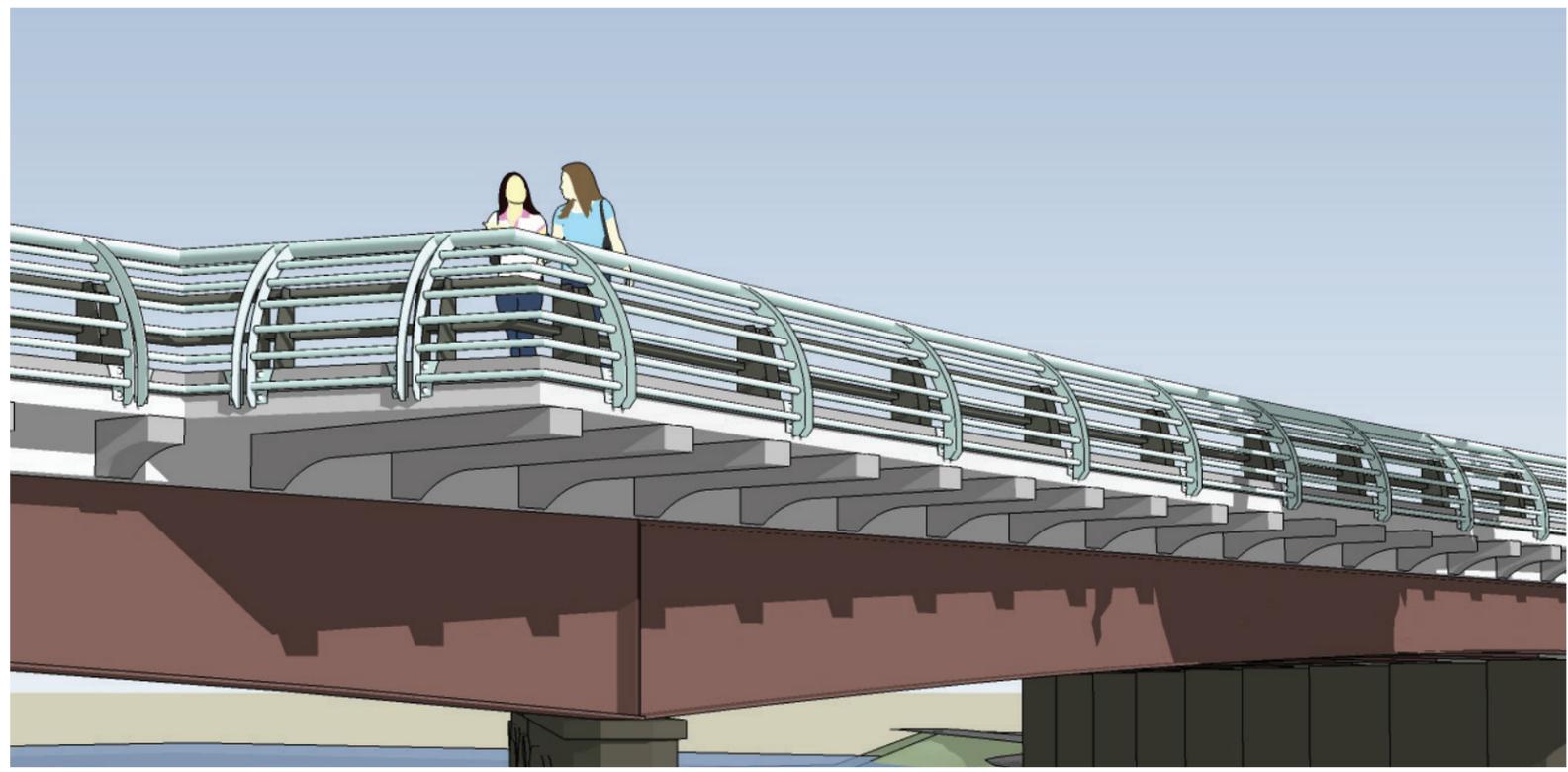
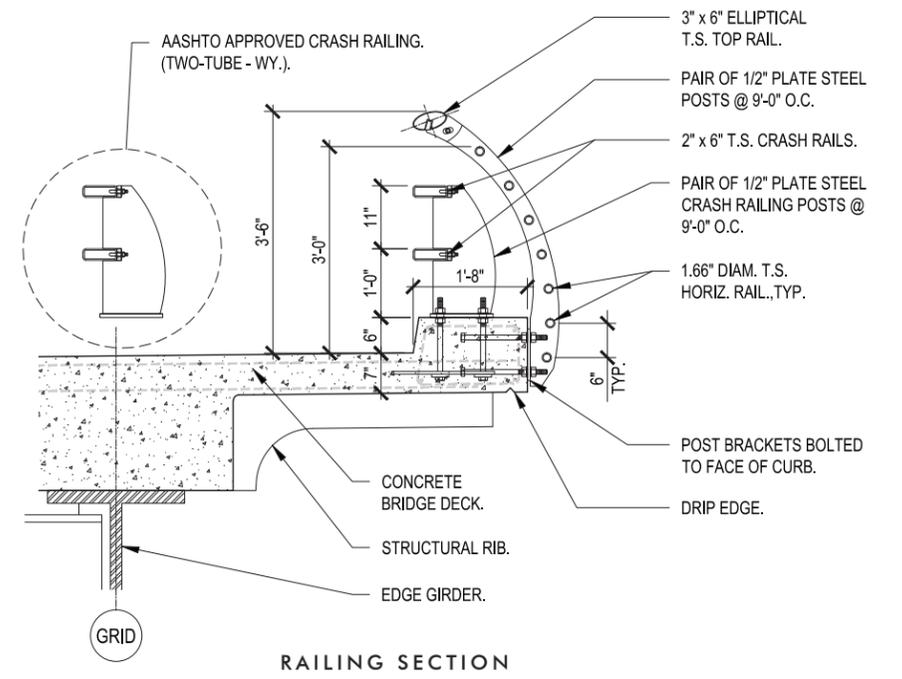
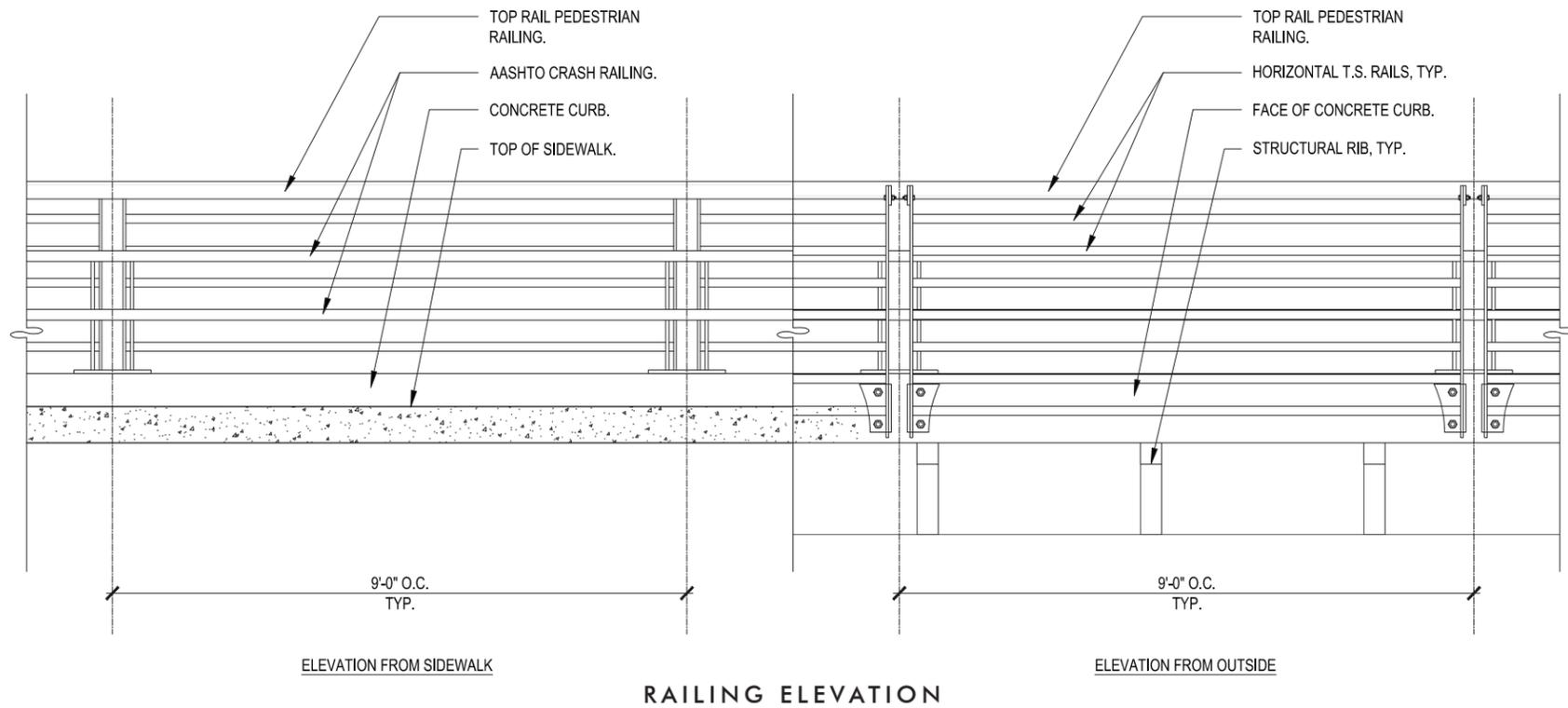




BROADWAY AVENUE

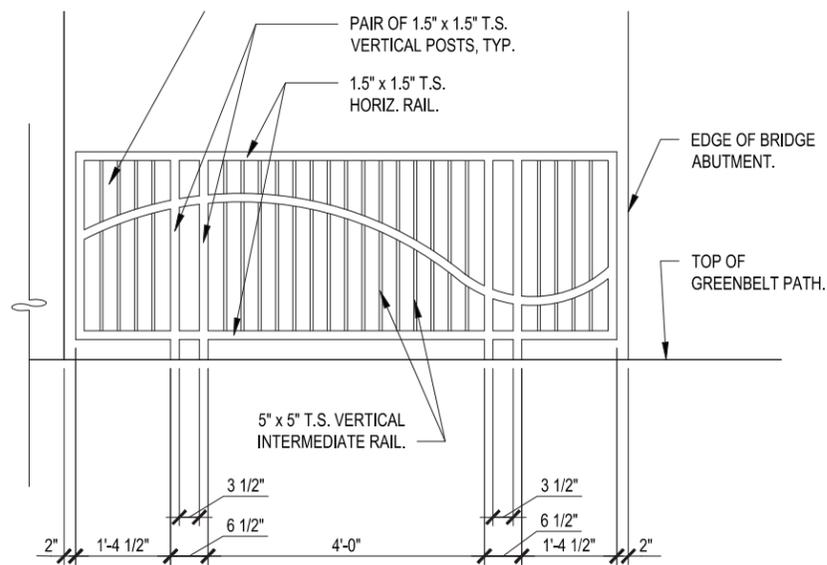




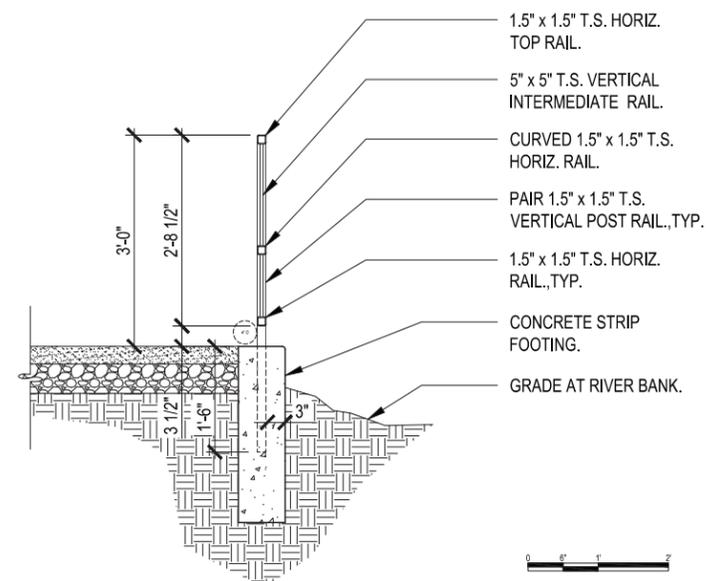


BROADWAY BRIDGE RAILING DESIGN
BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO

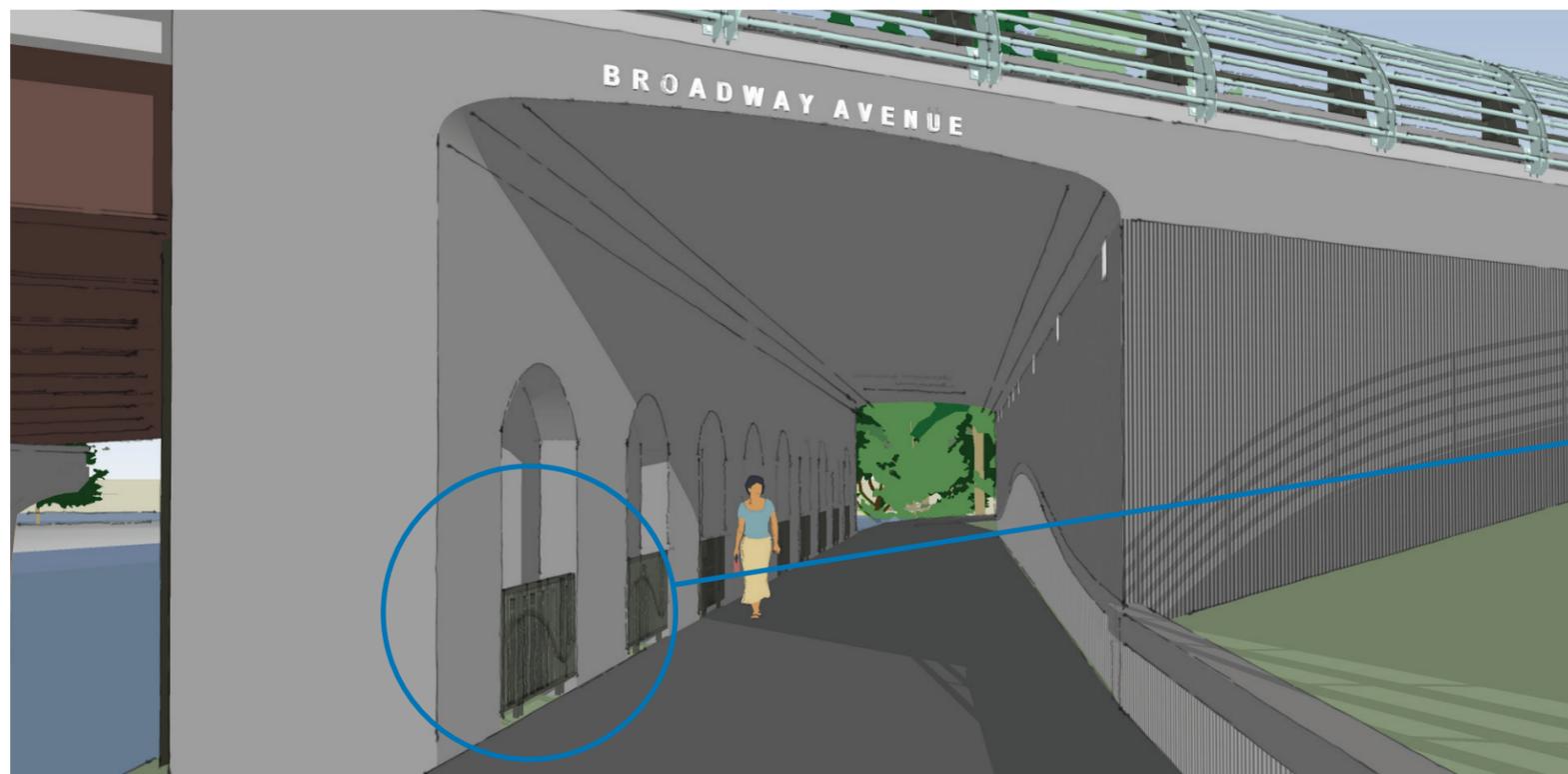




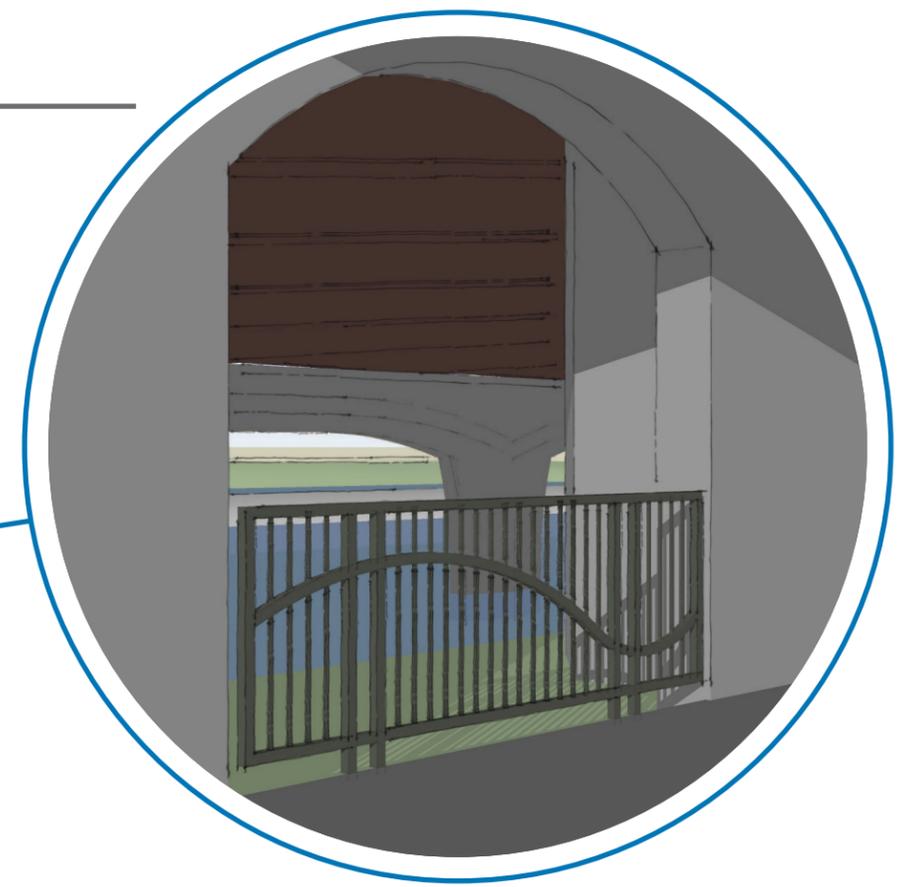
RAILING ELEVATION



RAILING SECTION



SCHEMATIC VIEW OF RAILING FROM GREENBELT

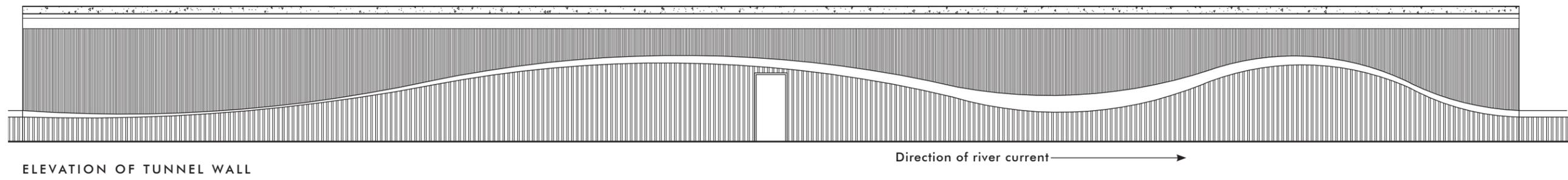
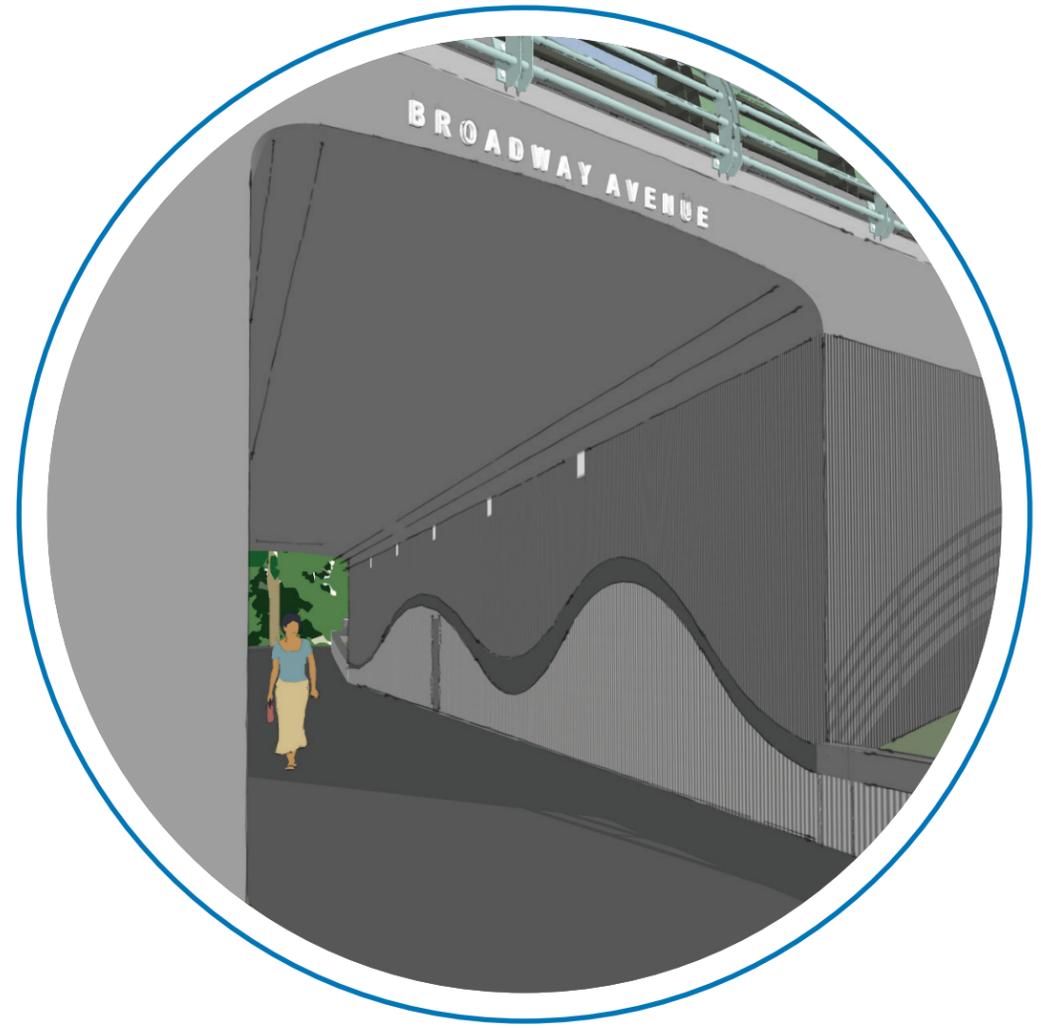
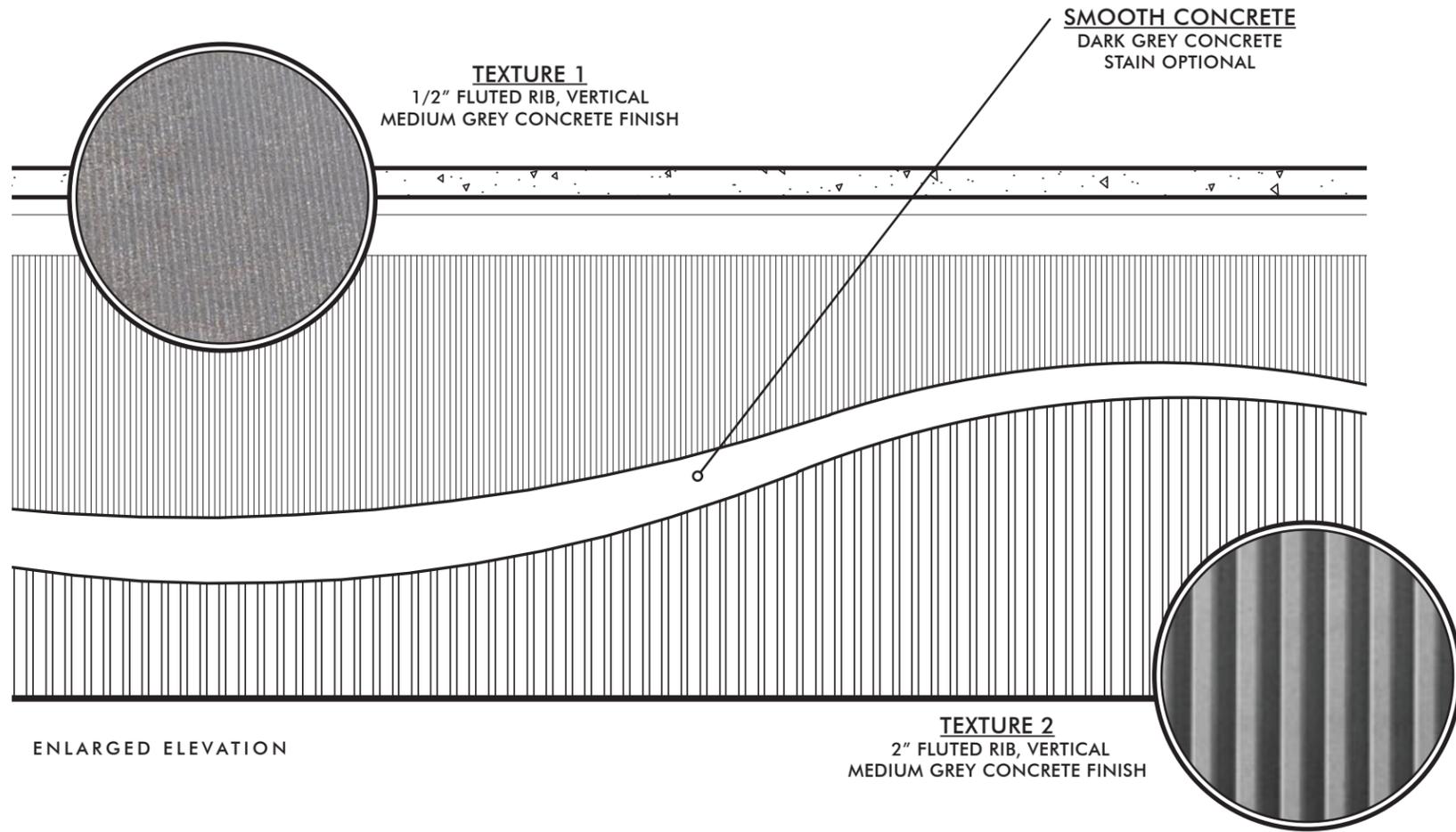


ENLARGED VIEW OF RAIL

GREENBELT TUNNEL RAILING DESIGN

BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO

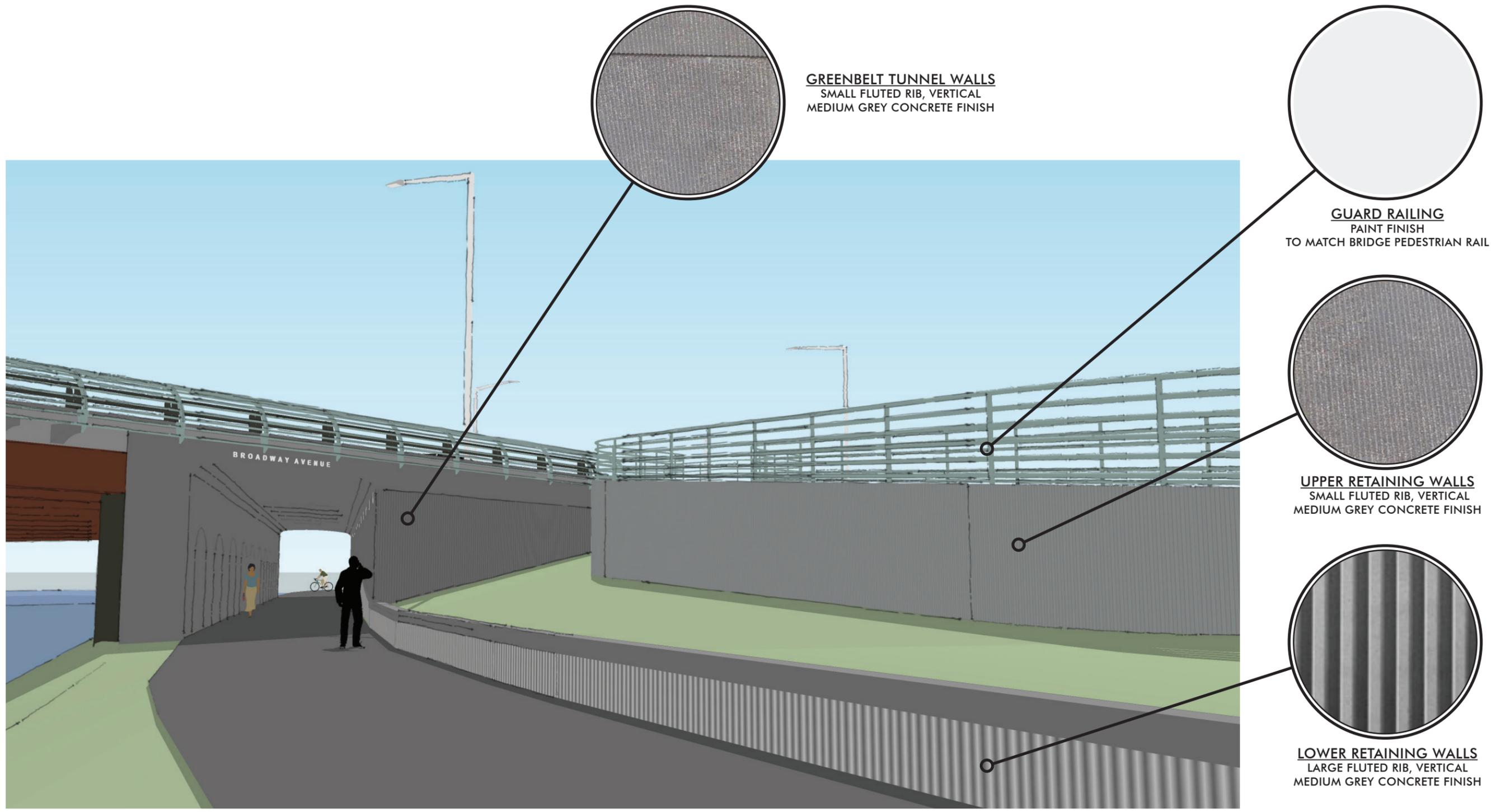




GREENBELT TUNNEL WALL - CONCRETE TEXTURES

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO





GREENBELT TUNNEL WALLS
 SMALL FLUTED RIB, VERTICAL
 MEDIUM GREY CONCRETE FINISH

GUARD RAILING
 PAINT FINISH
 TO MATCH BRIDGE PEDESTRIAN RAIL

UPPER RETAINING WALLS
 SMALL FLUTED RIB, VERTICAL
 MEDIUM GREY CONCRETE FINISH

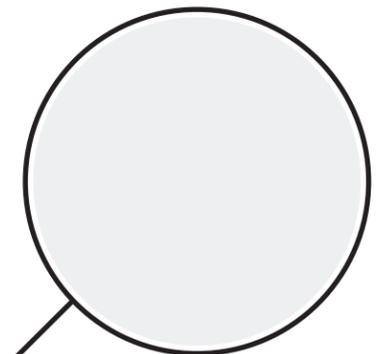
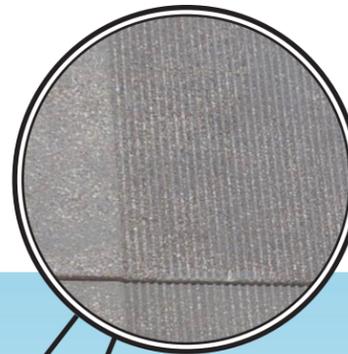
LOWER RETAINING WALLS
 LARGE FLUTED RIB, VERTICAL
 MEDIUM GREY CONCRETE FINISH

QUADRANT VIEW - SOUTH WEST QUADRANT

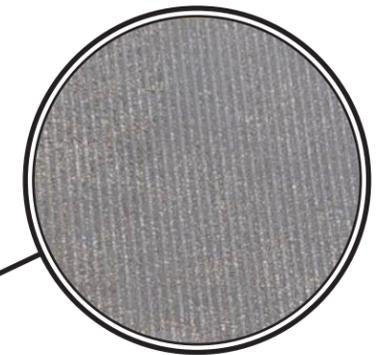
BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO



GREENBELT TUNNEL WALLS
SMALL FLUTED RIB, VERTICAL
MEDIUM GREY CONCRETE FINISH



GUARD RAILING
PAINT FINISH
TO MATCH BRIDGE PEDESTRIAN RAIL



UPPER RETAINING WALLS
SMALL FLUTED RIB, VERTICAL
MEDIUM GREY CONCRETE FINISH



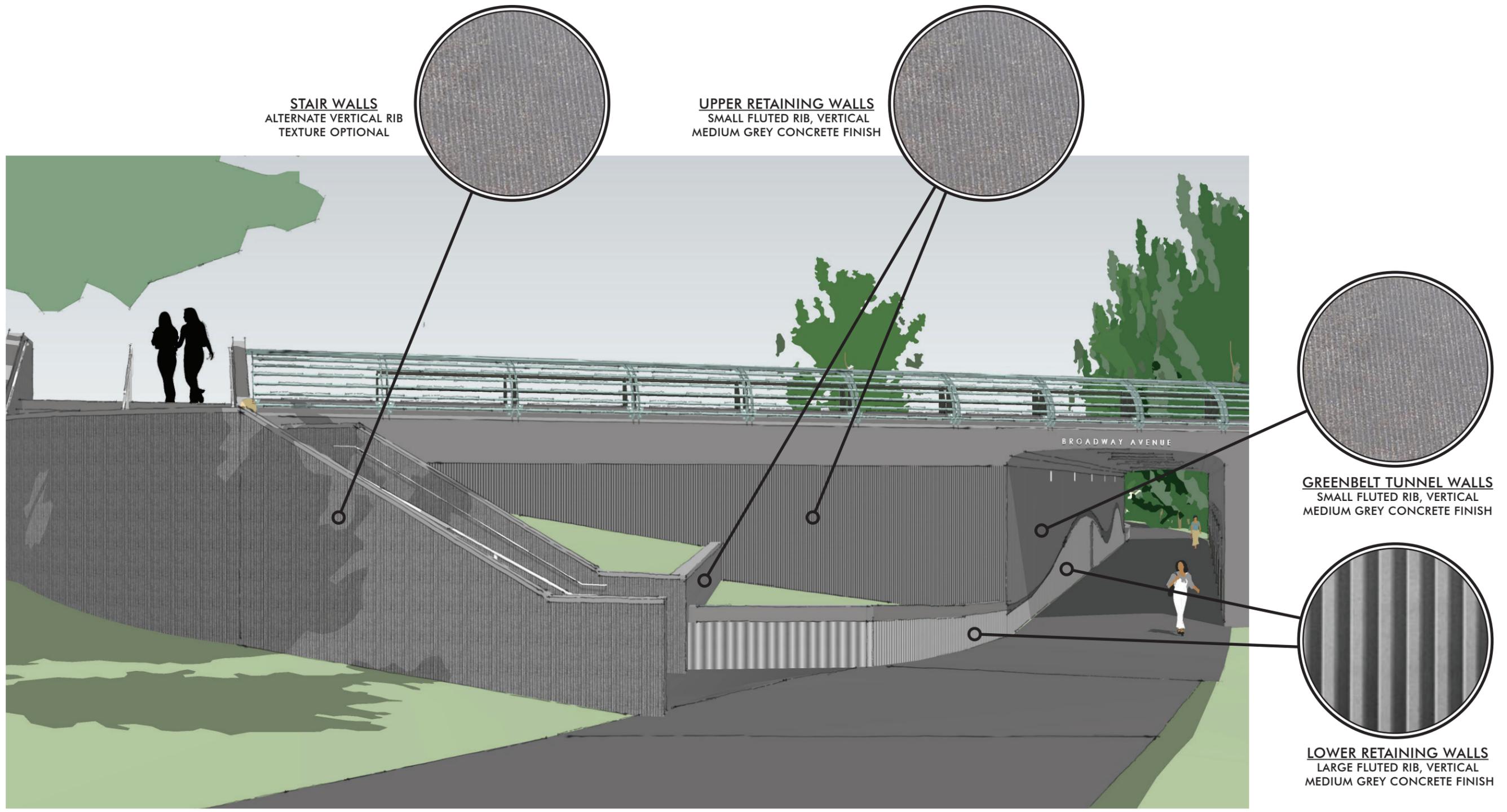
LOWER RETAINING WALLS
LARGE FLUTED RIB, VERTICAL
MEDIUM GREY CONCRETE FINISH



QUADRANT VIEW - SOUTH WEST QUADRANT

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO





STAIR WALLS
ALTERNATE VERTICAL RIB
TEXTURE OPTIONAL

UPPER RETAINING WALLS
SMALL FLUTED RIB, VERTICAL
MEDIUM GREY CONCRETE FINISH

GREENBELT TUNNEL WALLS
SMALL FLUTED RIB, VERTICAL
MEDIUM GREY CONCRETE FINISH

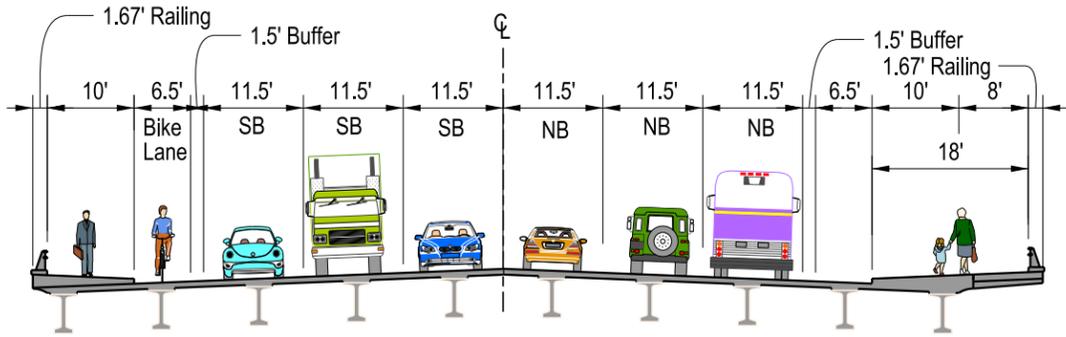
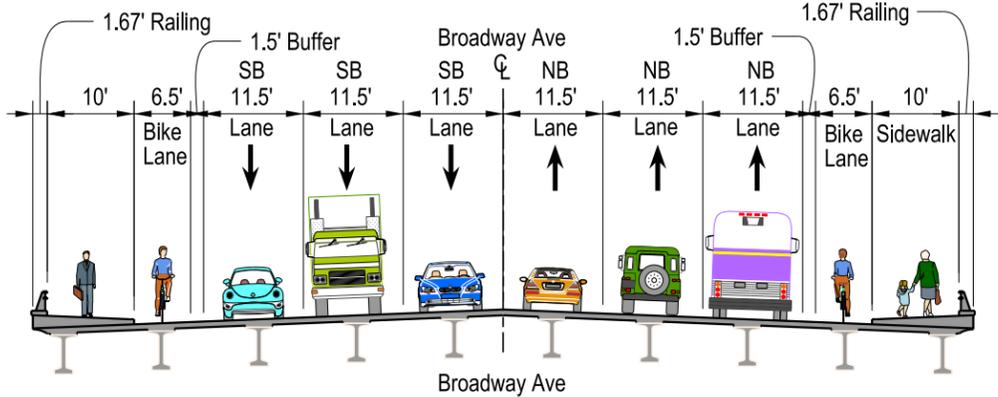
LOWER RETAINING WALLS
LARGE FLUTED RIB, VERTICAL
MEDIUM GREY CONCRETE FINISH

QUADRANT VIEW - NORTH WEST QUADRANT

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO



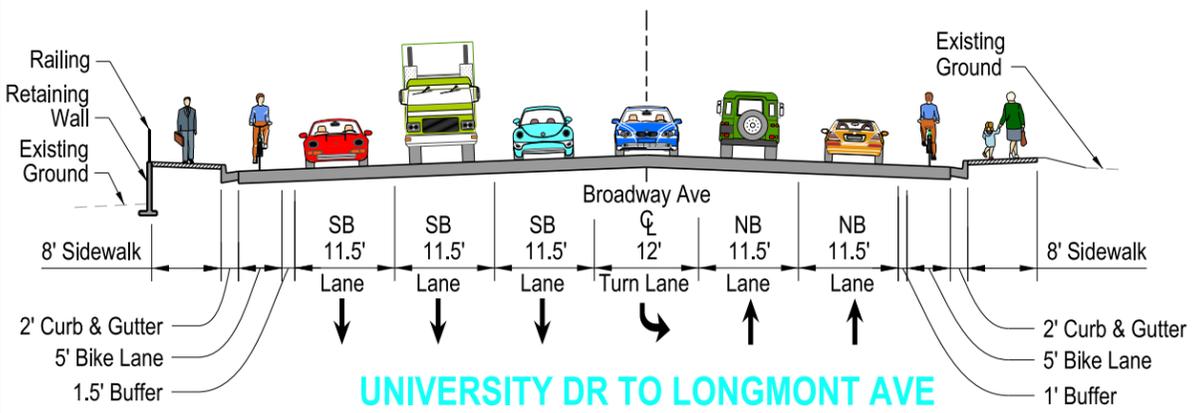
PROPOSED BROADWAY AVENUE - BRIDGE
TYPICAL SECTION



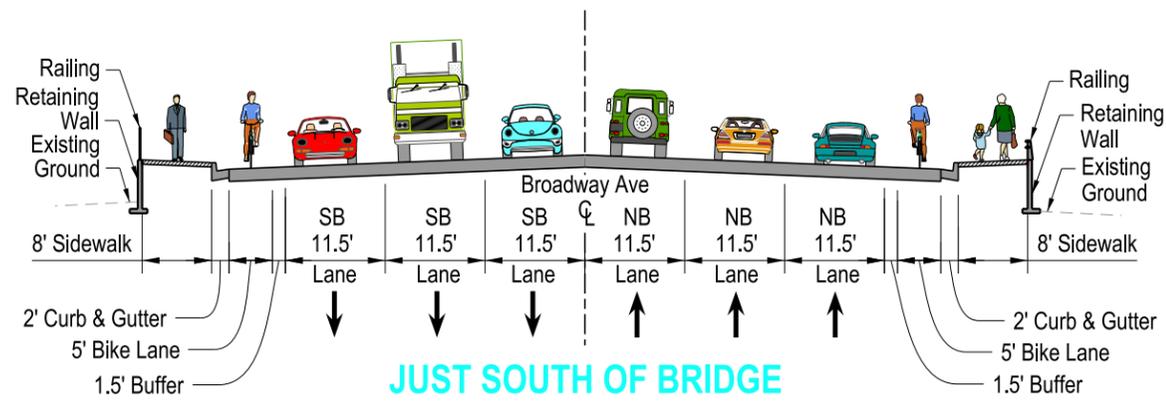
PROPOSED BROADWAY AVENUE - BRIDGE
BELVEDERE DECK SECTION

B R O A D W A Y A V E N U E
B R I D G E S E C T I O N S

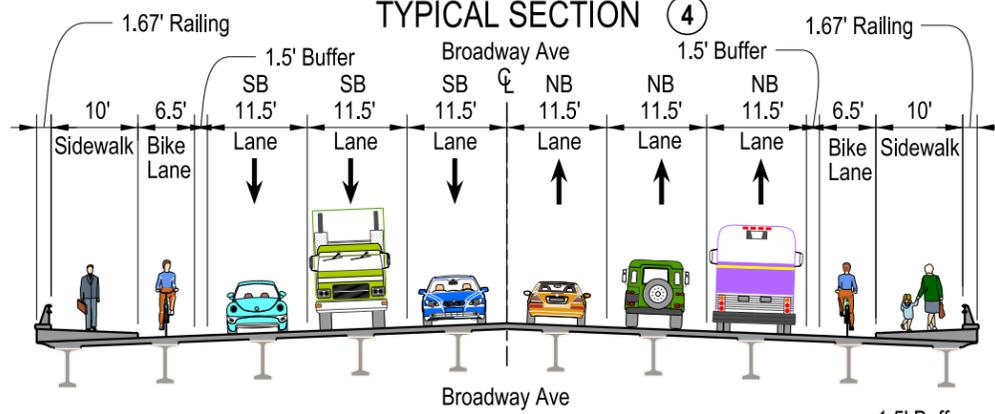
PROPOSED BROADWAY AVENUE
TYPICAL SECTION ①



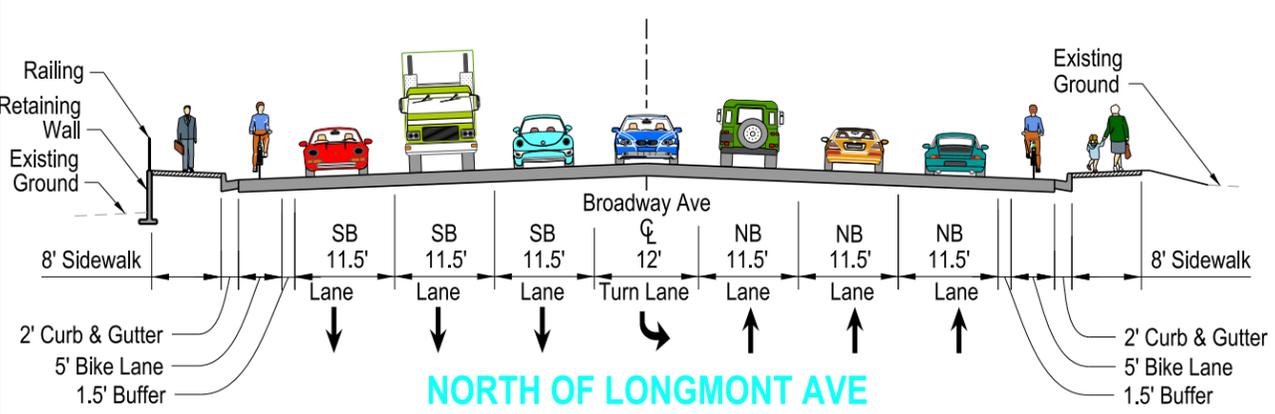
PROPOSED BROADWAY AVENUE
TYPICAL SECTION ③



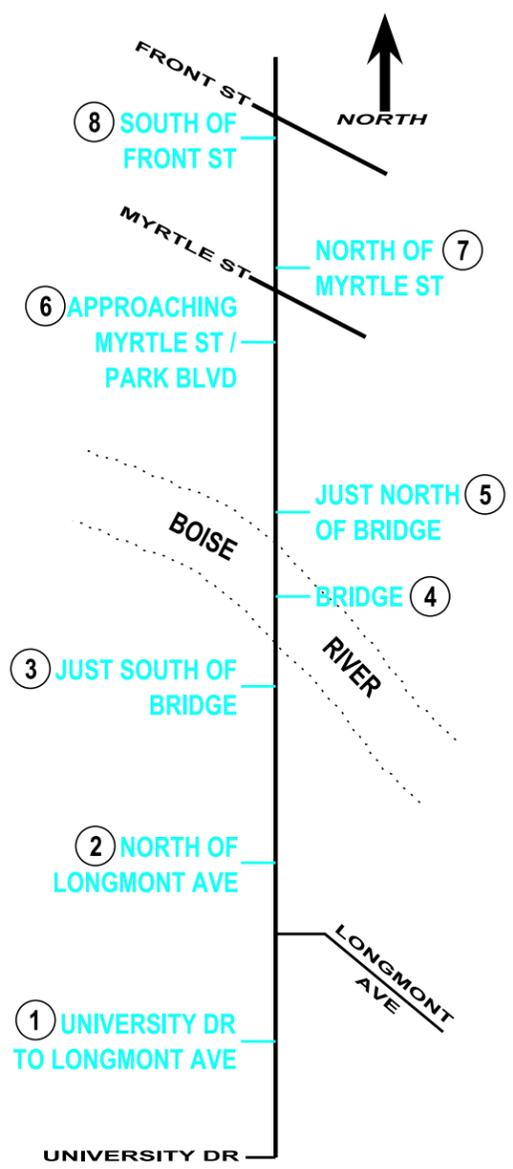
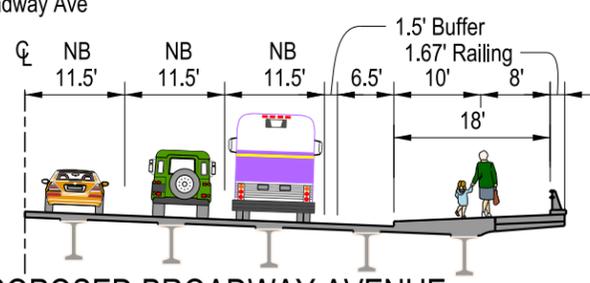
PROPOSED BROADWAY AVENUE - BRIDGE
TYPICAL SECTION ④



PROPOSED BROADWAY AVENUE
TYPICAL SECTION ②

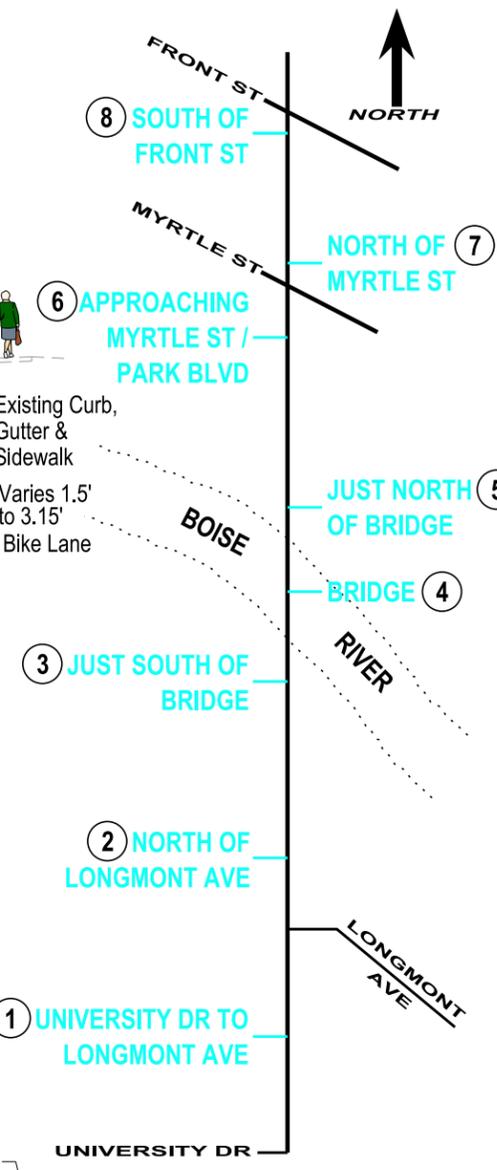
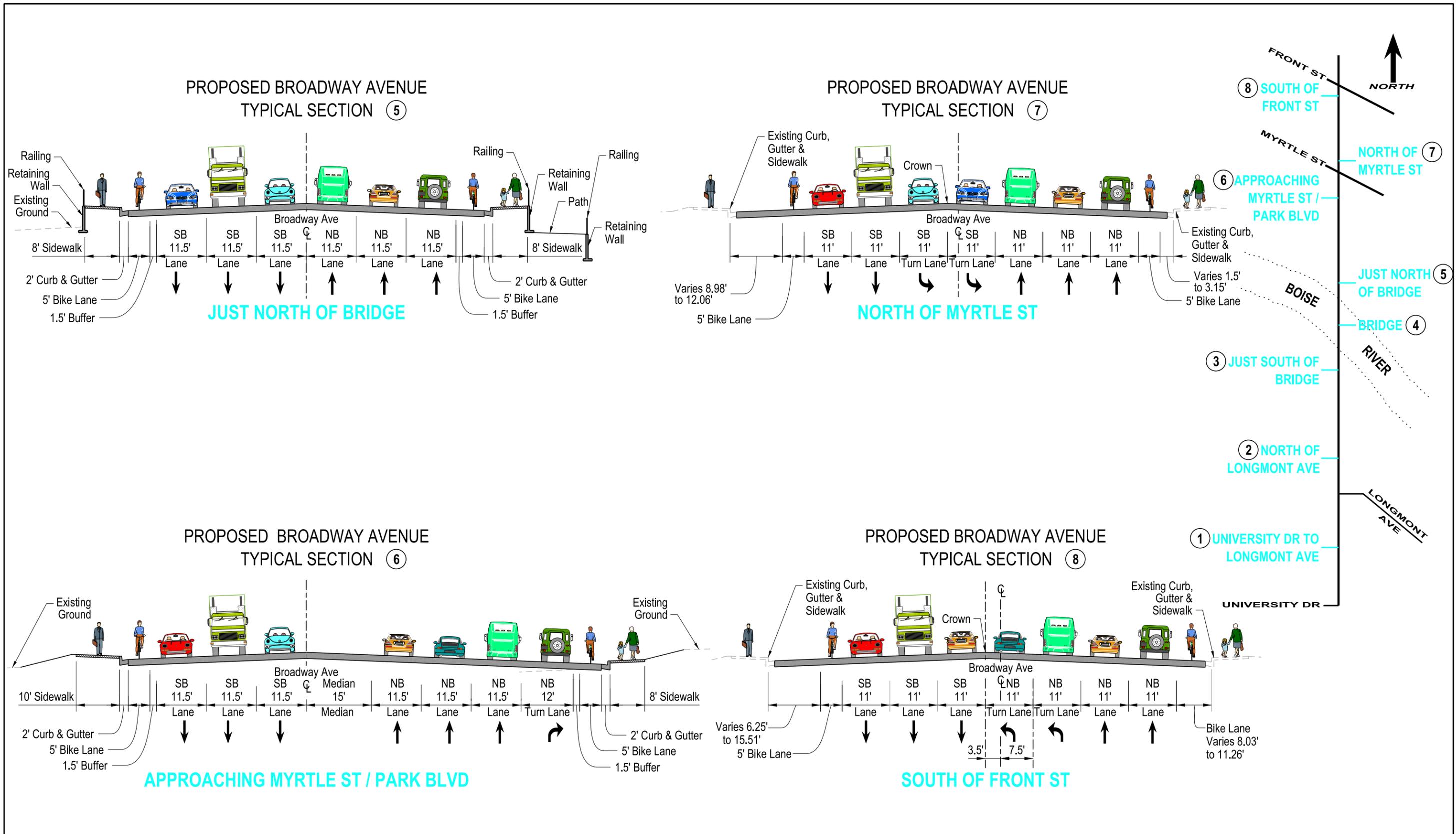


PROPOSED BROADWAY AVENUE
BELVEDERE DECK SECTION
BRIDGE



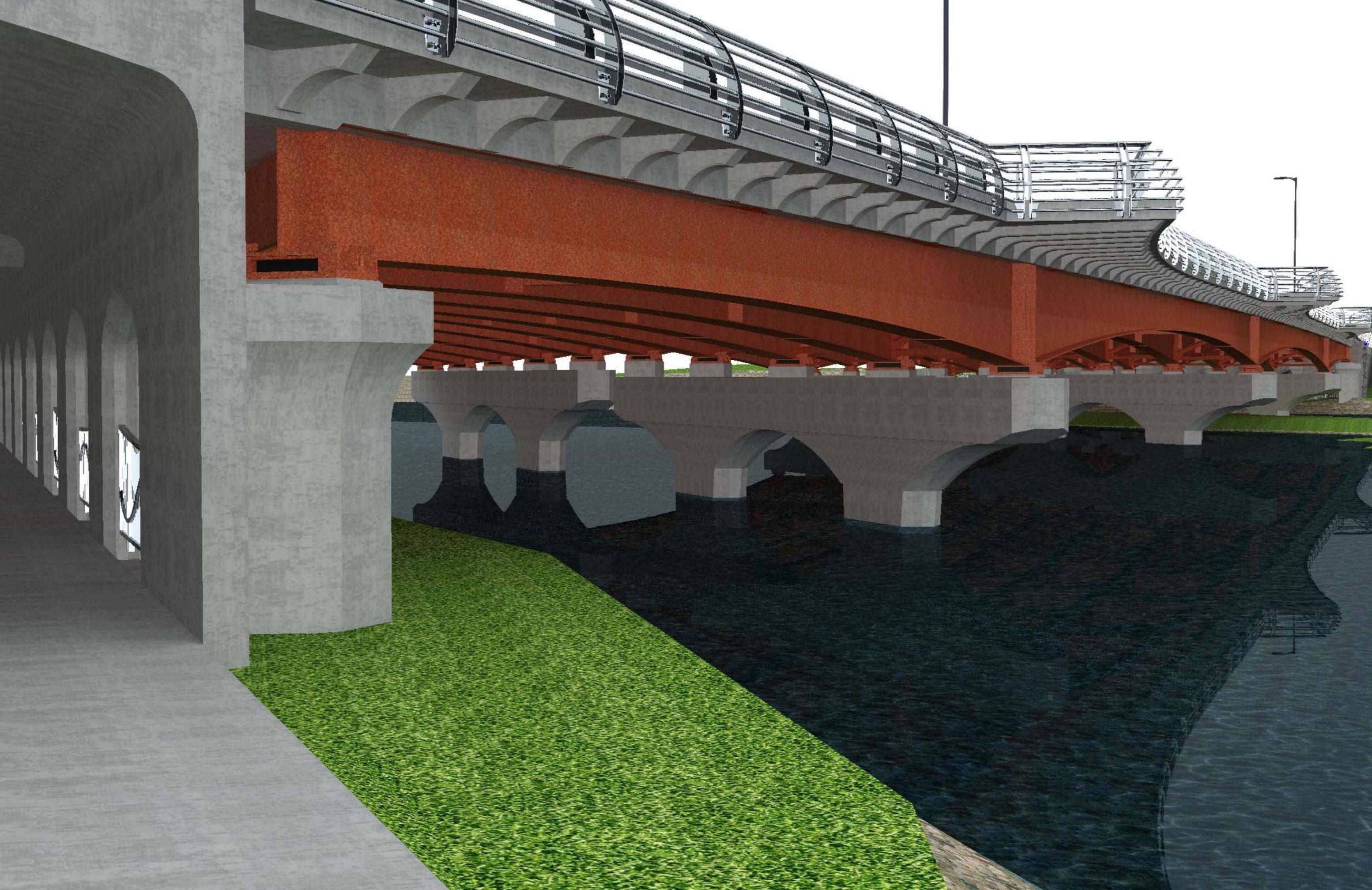
BROADWAY AVENUE

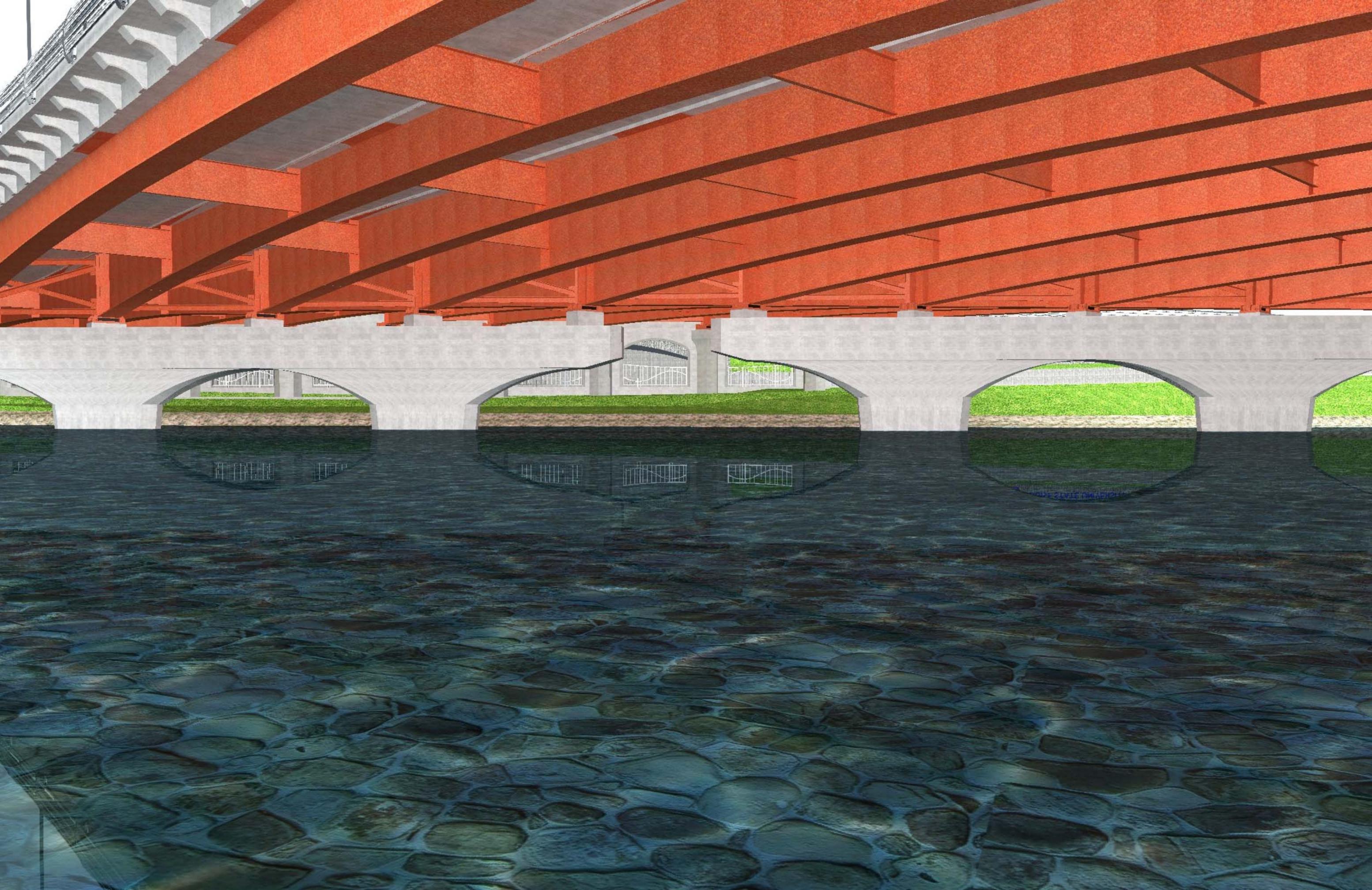
ROADWAY SECTIONS



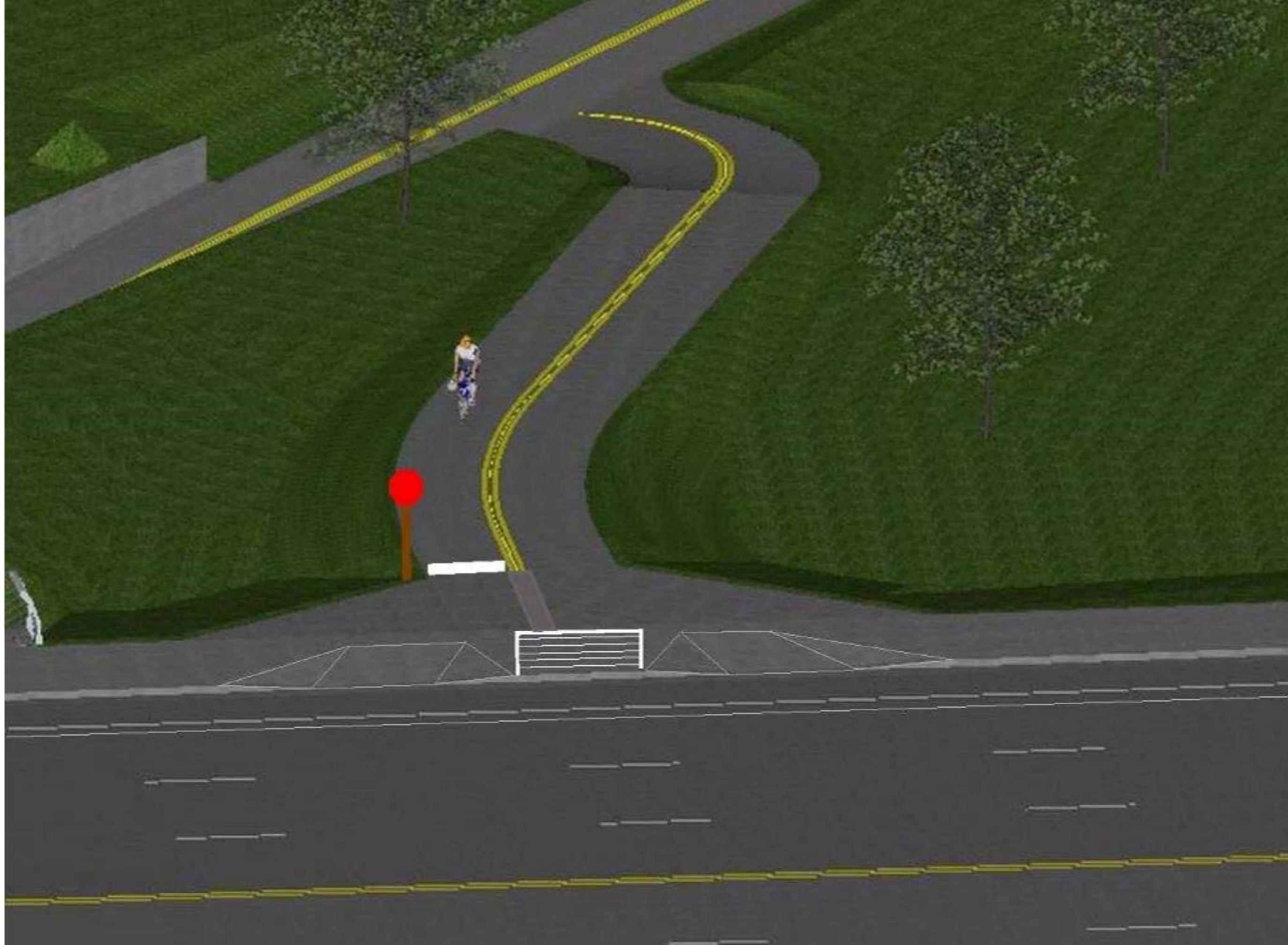
B R O A D W A Y A V E N U E

R O A D W A Y S E C T I O N S









NW Greenbelt
(SW Greenbelt Similar)

12'

STOP

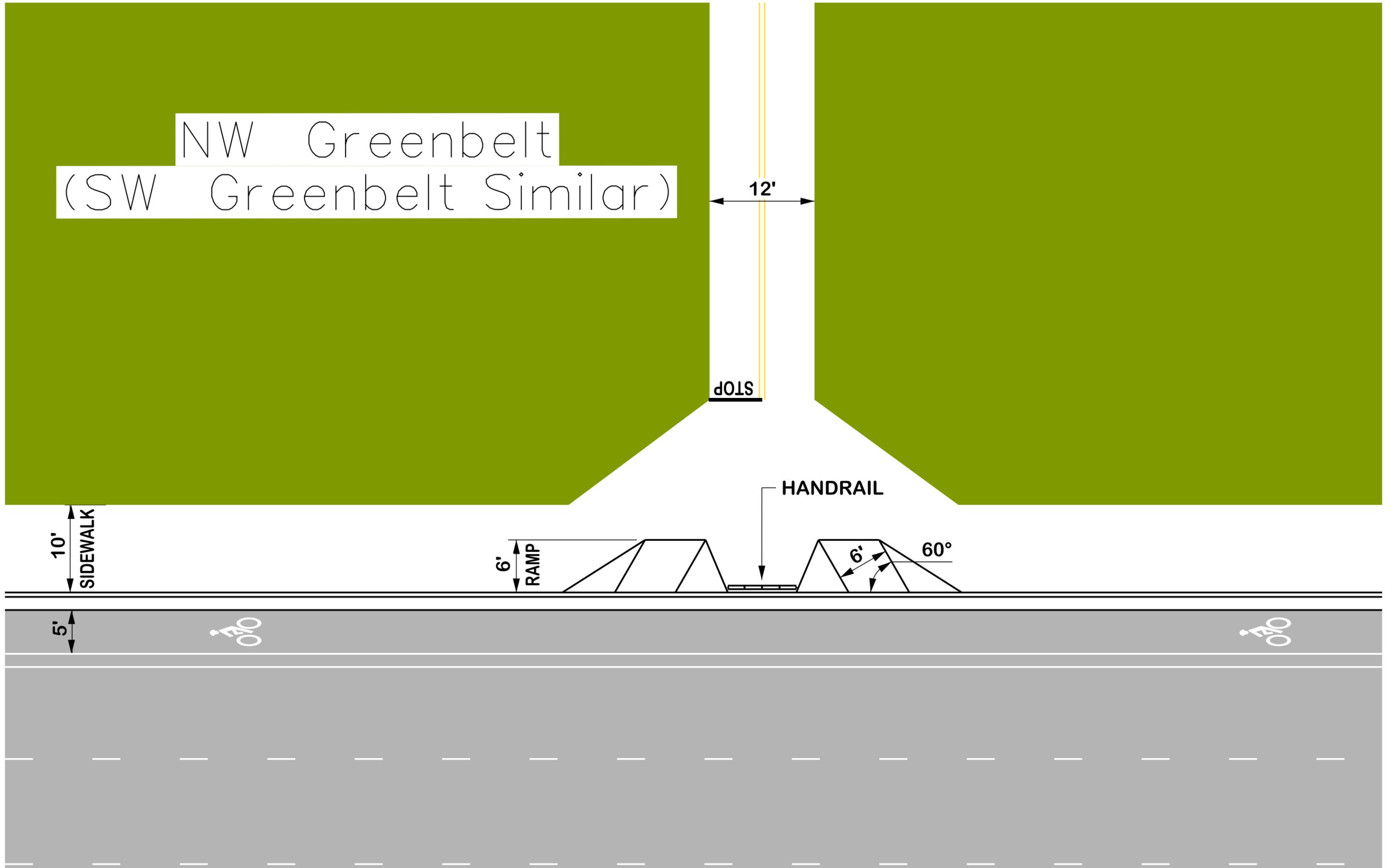
HANDRAIL

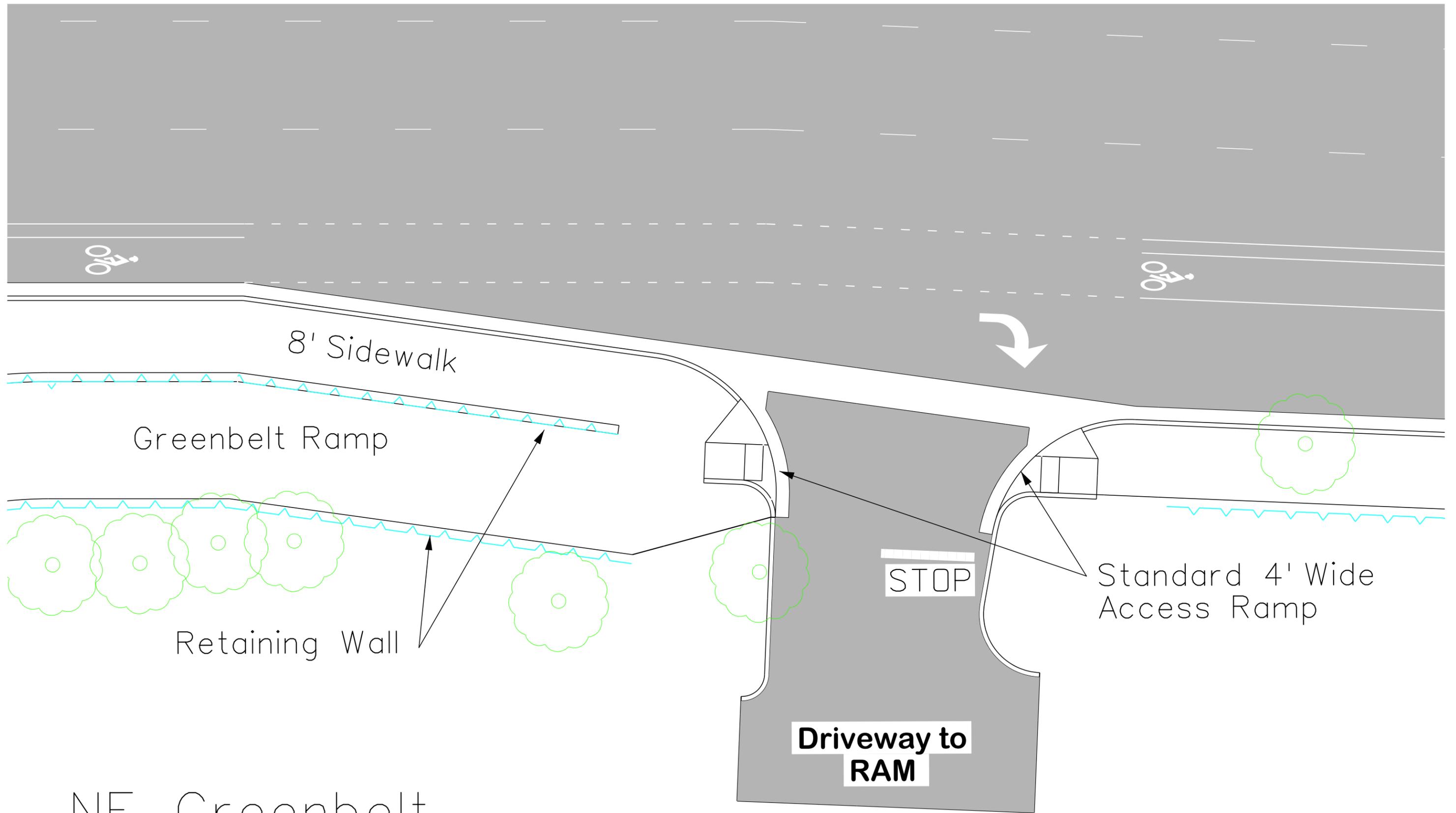
10'
SIDEWALK

6'
RAMP

6'
60°

5'





NE Greenbelt



8'
Sidewalk

20'

6' Ramp

R=12'

Bollards

STOP

R=12'

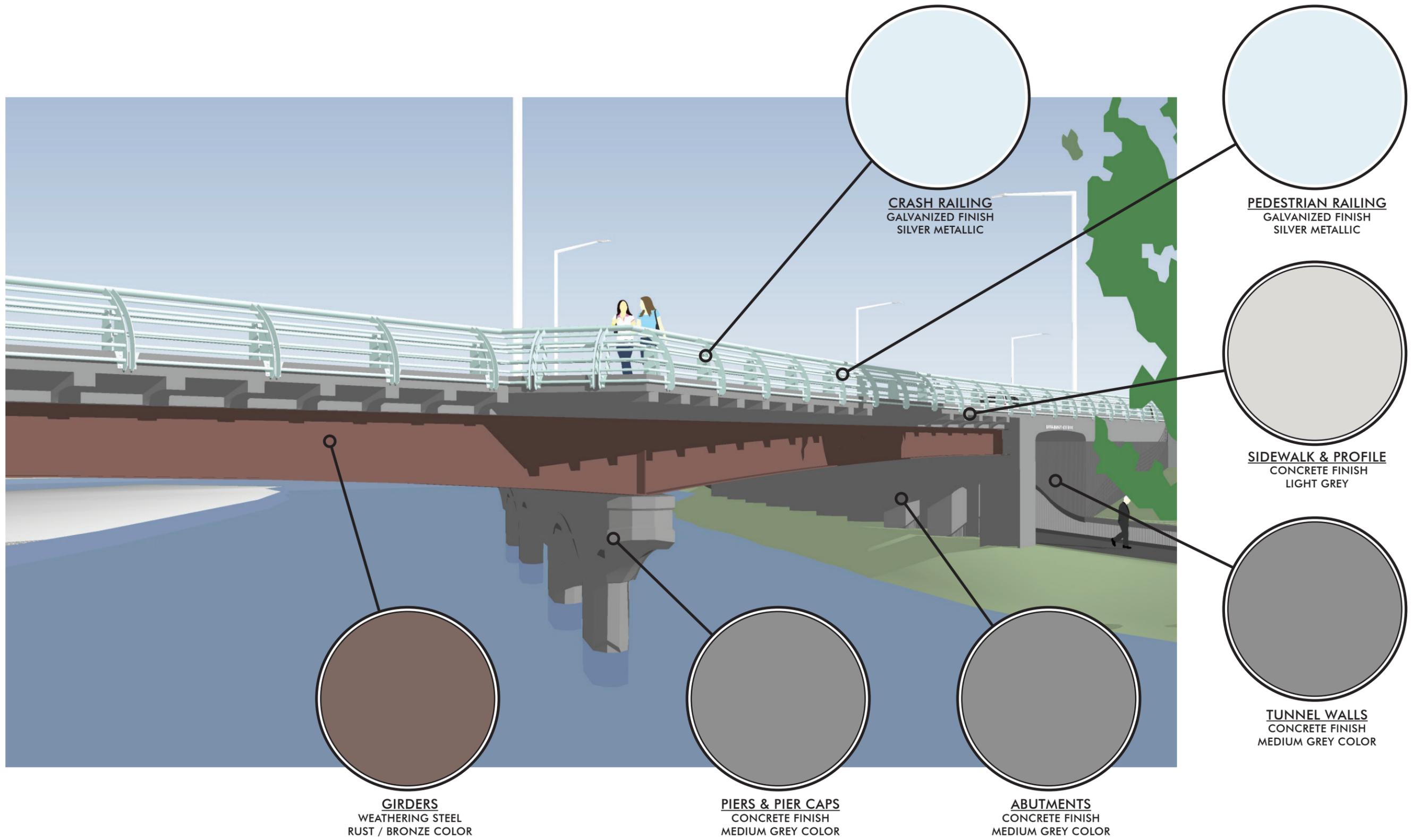
Stairs

SE Greenbelt

Greenbelt Ramp/
Emergency Access

Greenbelt



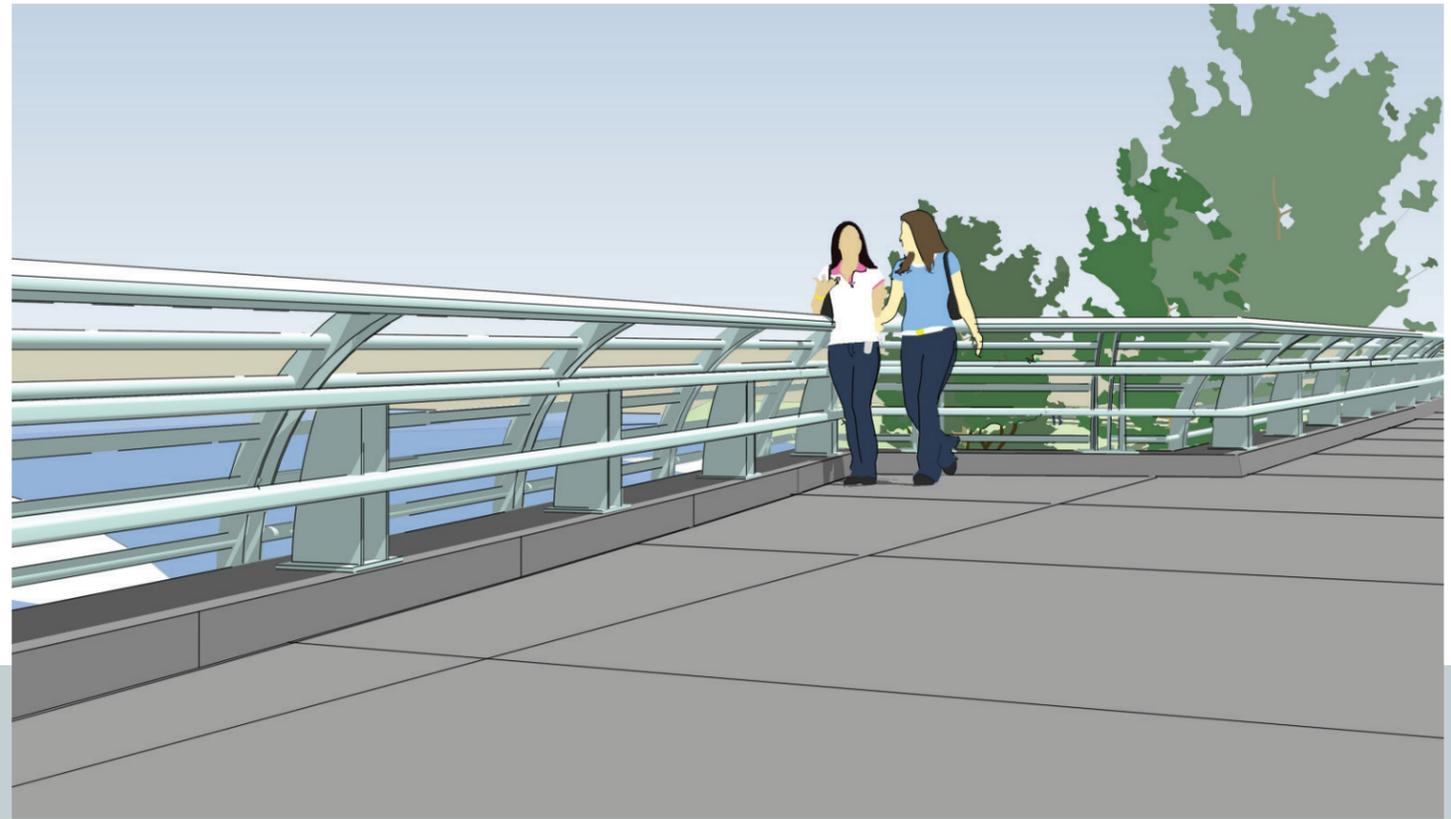


BRIDGE COLOR STUDY - FINISH SCHEME A

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO



VIEW OF RAIL FROM SIDEWALK

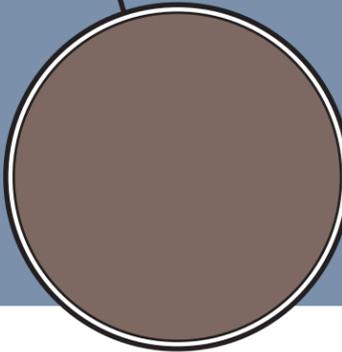
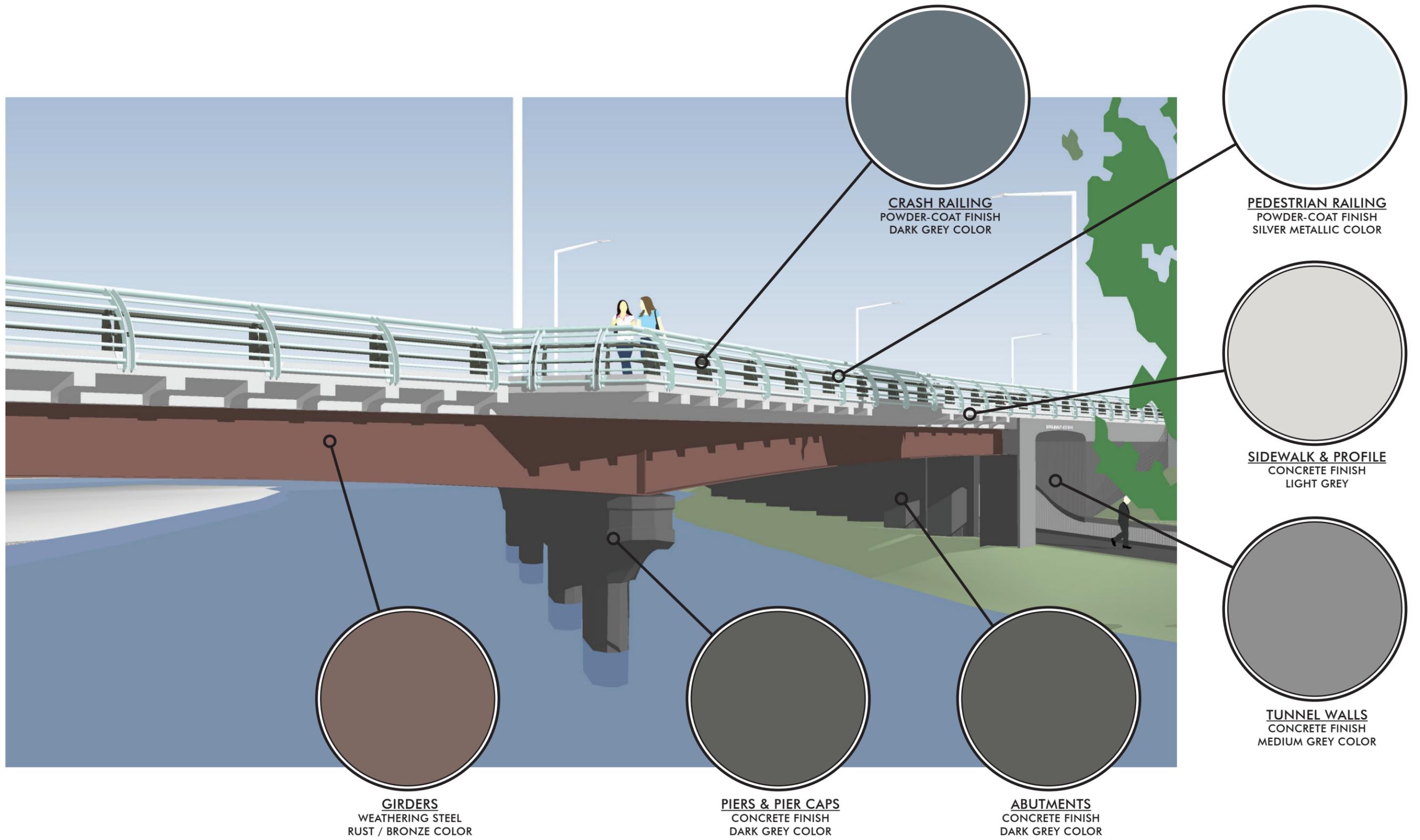


VIEW OF BRIDGE FROM RIVER

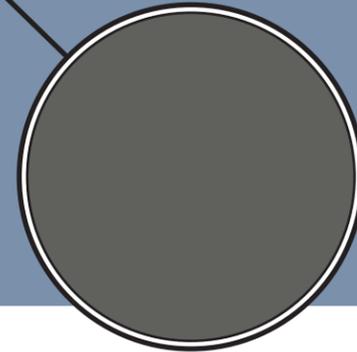
BRIDGE COLOR STUDY - FINISH SCHEME A

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO

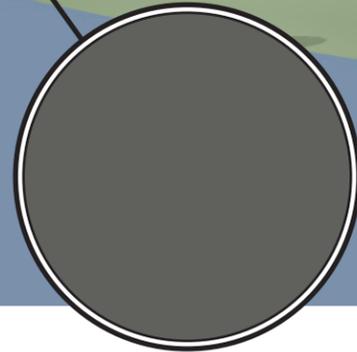




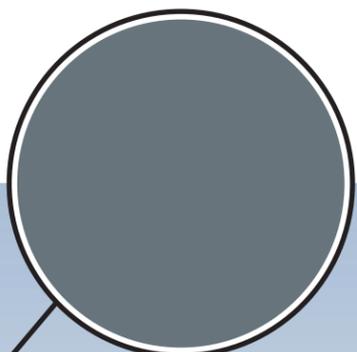
GIRDERS
WEATHERING STEEL
RUST / BRONZE COLOR



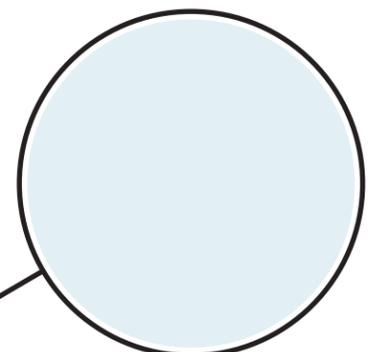
PIERS & PIER CAPS
CONCRETE FINISH
DARK GREY COLOR



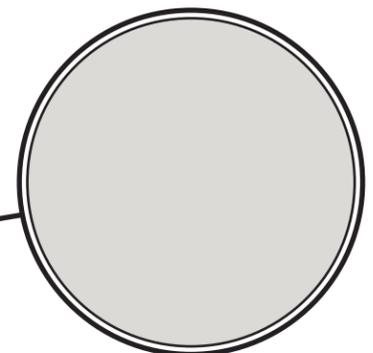
ABUTMENTS
CONCRETE FINISH
DARK GREY COLOR



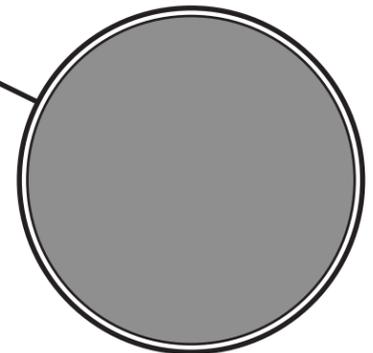
CRASH RAILING
POWDER-COAT FINISH
DARK GREY COLOR



PEDESTRIAN RAILING
POWDER-COAT FINISH
SILVER METALLIC COLOR



SIDEWALK & PROFILE
CONCRETE FINISH
LIGHT GREY



TUNNEL WALLS
CONCRETE FINISH
MEDIUM GREY COLOR

BRIDGE COLOR STUDY - FINISH SCHEME B

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO



VIEW OF RAIL FROM SIDEWALK

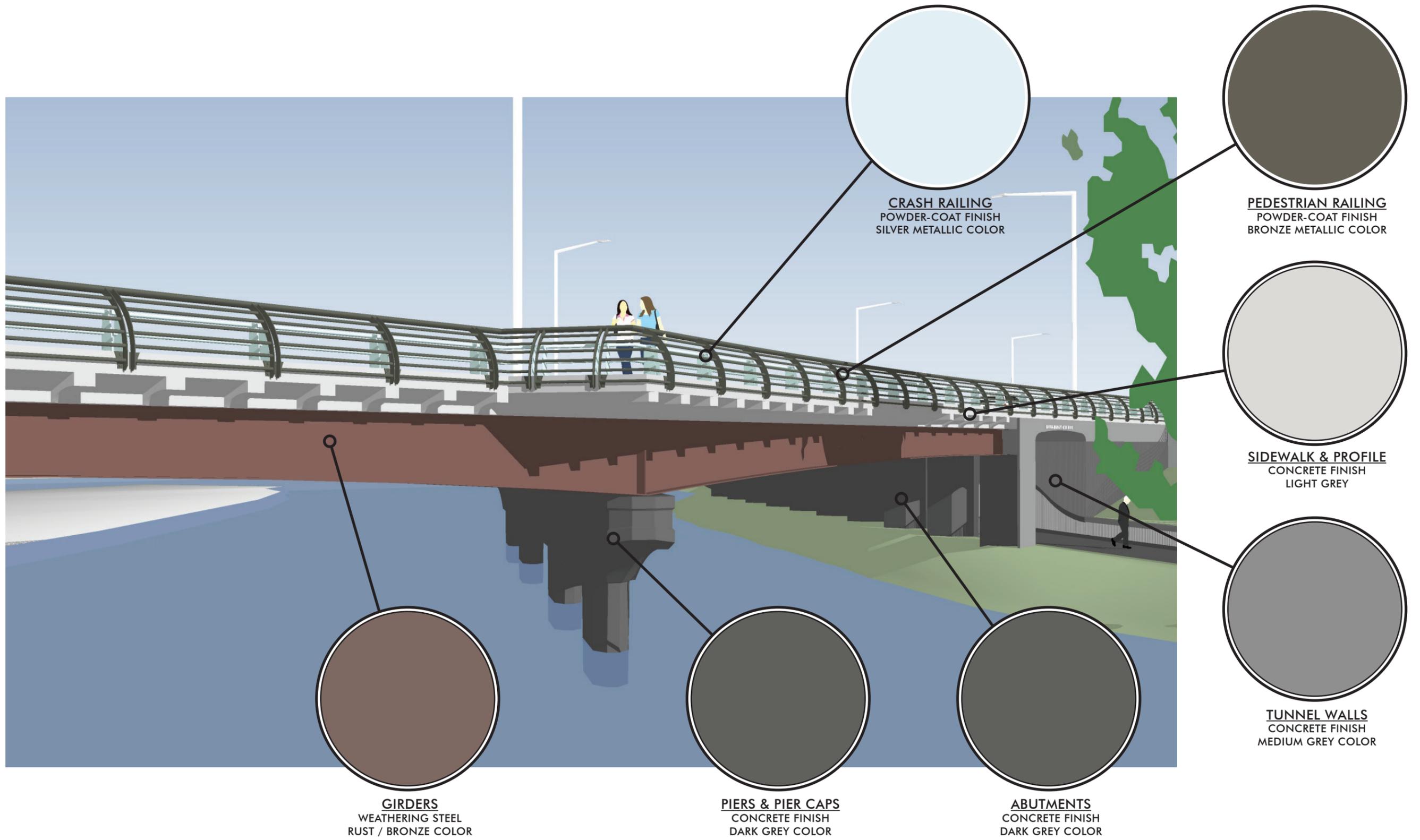


VIEW OF BRIDGE FROM RIVER

BRIDGE COLOR STUDY - FINISH SCHEME B

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO





BRIDGE COLOR STUDY - FINISH SCHEME C

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO



VIEW OF RAIL FROM SIDEWALK

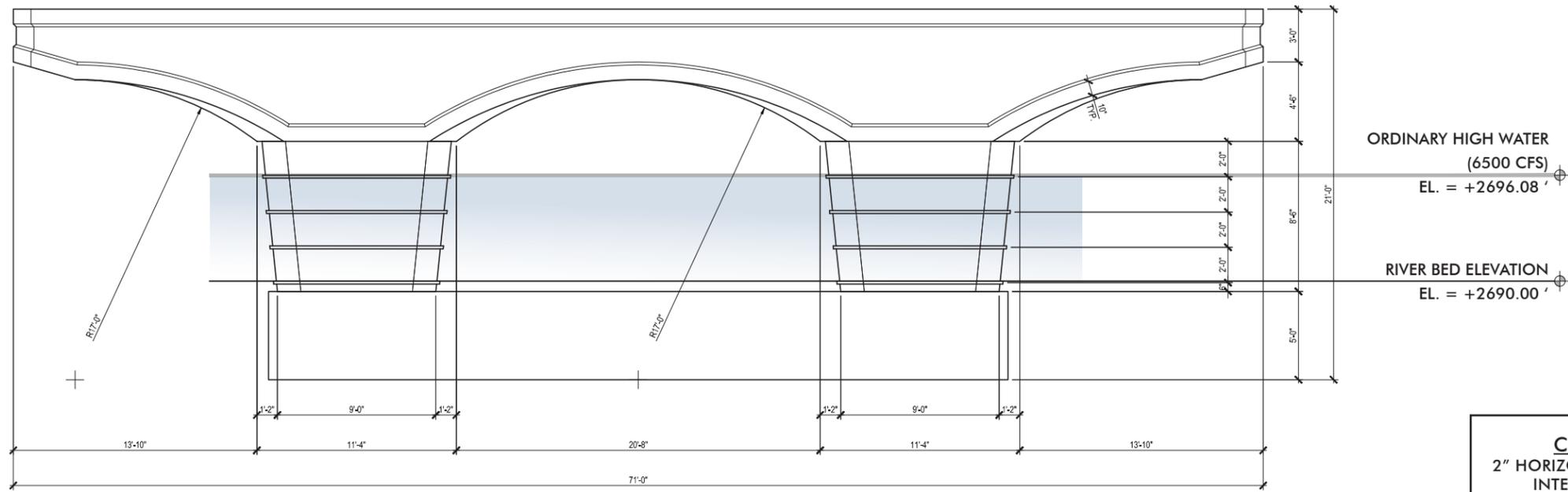


VIEW OF BRIDGE FROM RIVER

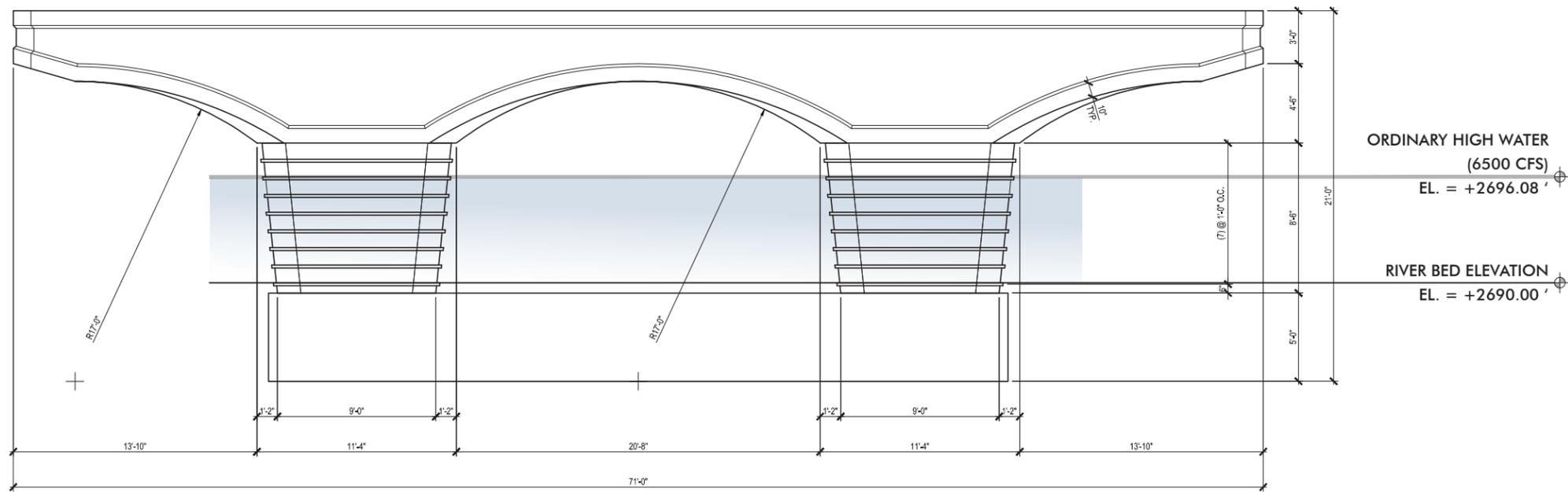
BRIDGE COLOR STUDY - FINISH SCHEME C

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO





PIER COLUMN RIBS - OPTION B



PIER COLUMN RIBS - OPTION A



PIER COLUMNS - DESIGN OPTIONS

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO





VIEW OF PIERS FROM GREENBELT - OPTION A



VIEW OF PIERS FROM RIVER

PIER COLUMNS - OPTION A
BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO





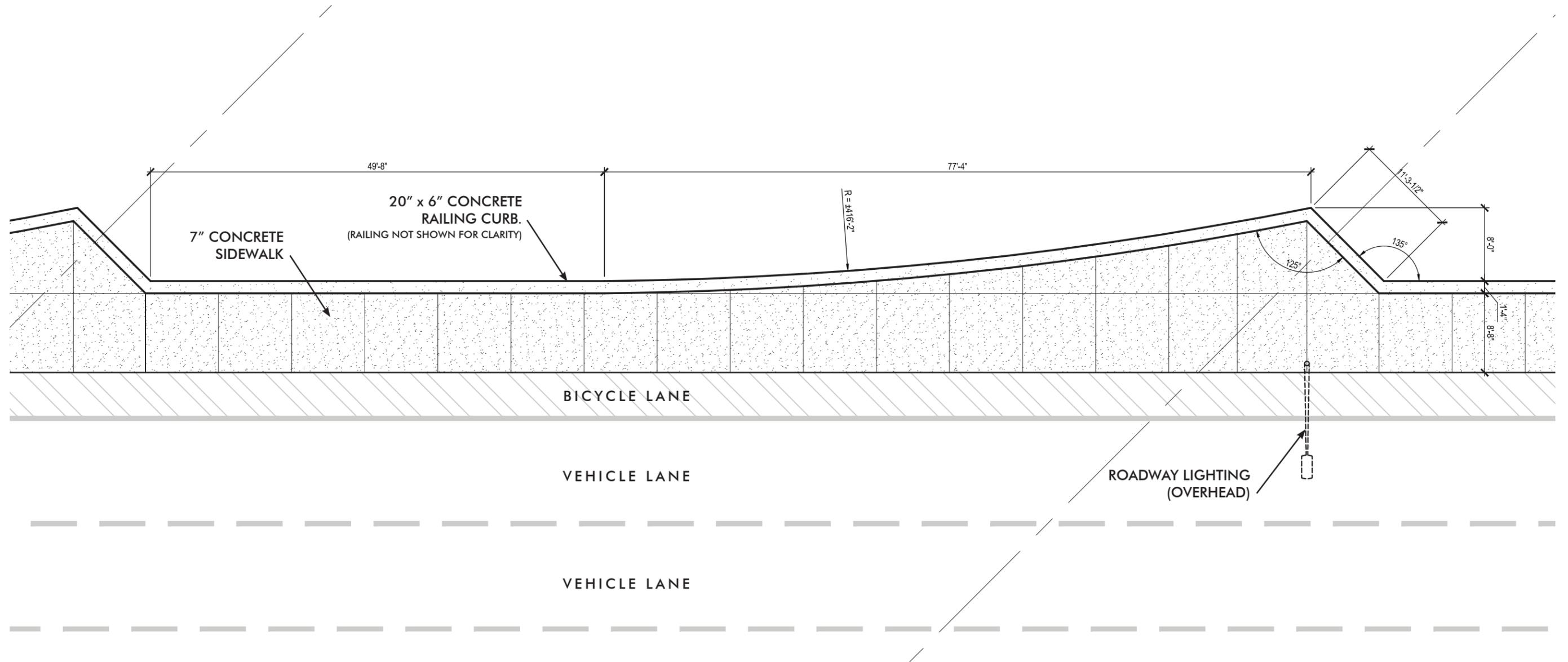
VIEW OF PIERS FROM GREENBELT - OPTION B



VIEW OF PIERS FROM RIVER

PIER COLUMNS - OPTION B
BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO

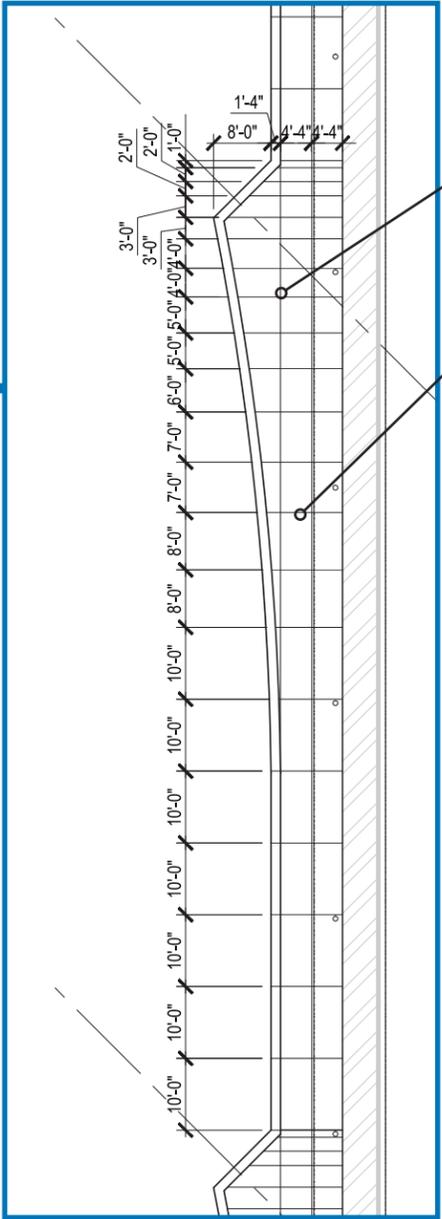
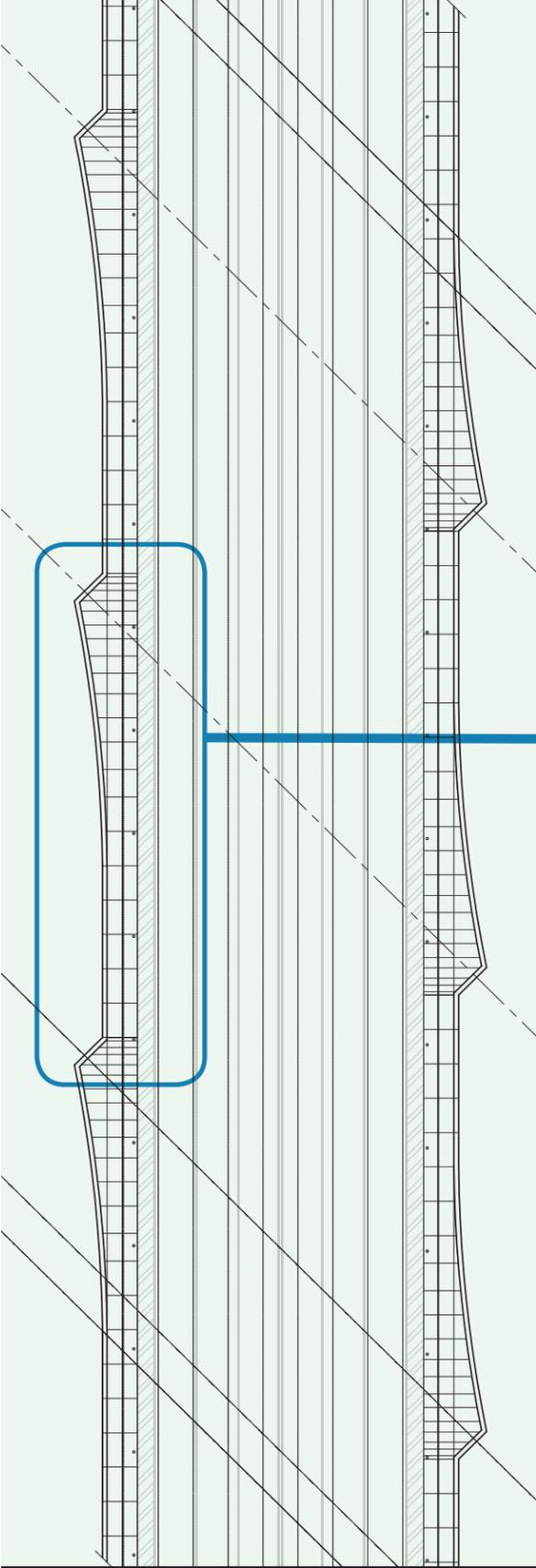




TYPICAL BELVEDERE PLAN
BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO



SIDEWALK DESIGN - OPTION 'A'

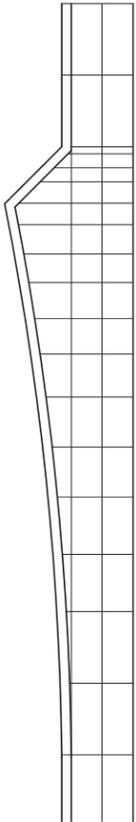


Variable joint spacing @ belvederes. Contrasting broom finish, optional.

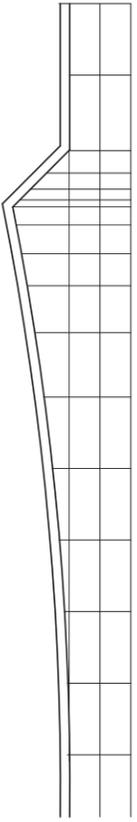
1/2" Tooled joints, typ. Expansion joints per structural requirements.



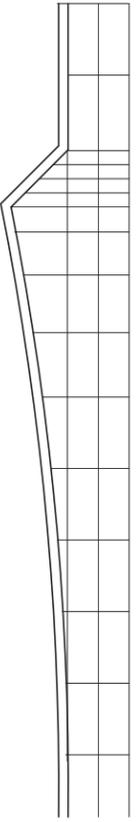
DIRECTIONAL BROOM FINISH
* Pattern and location to be determined



A.1



A.2

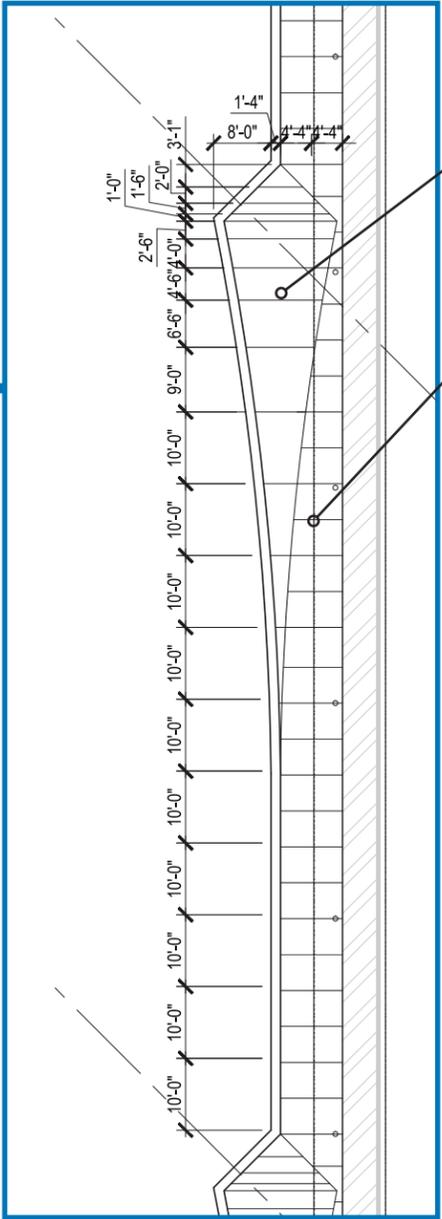
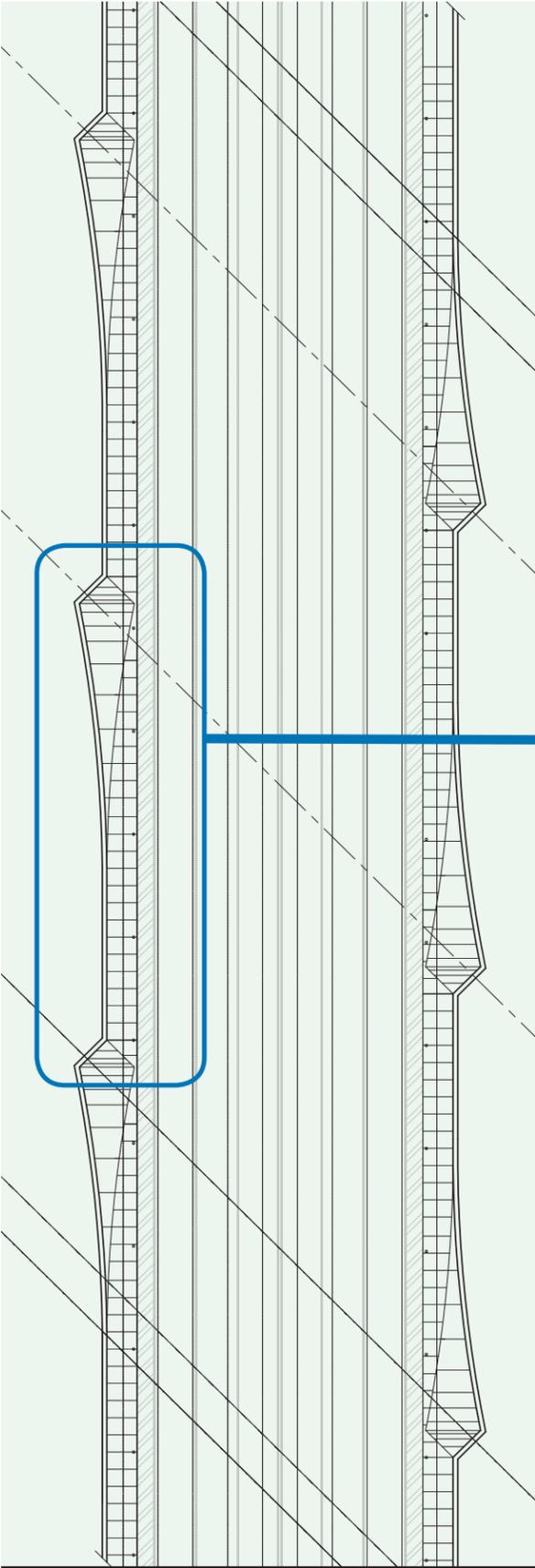


A.3

OPTION 'A' VARIATIONS



SIDEWALK DESIGN - OPTION 'B'

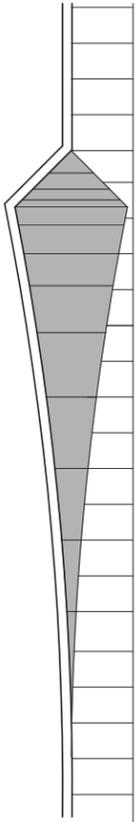


Arrowhead shape @ belvederes. Stained finish or contrasting broom finish, optional.

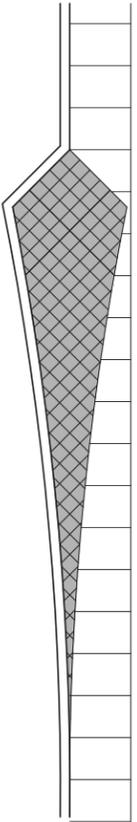
1/2" Tooled joints, typ. Expansion joints per structural requirements.



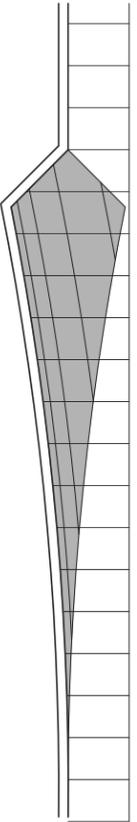
DIRECTIONAL BROOM FINISH
* Pattern and location to be determined



B.1



B.2

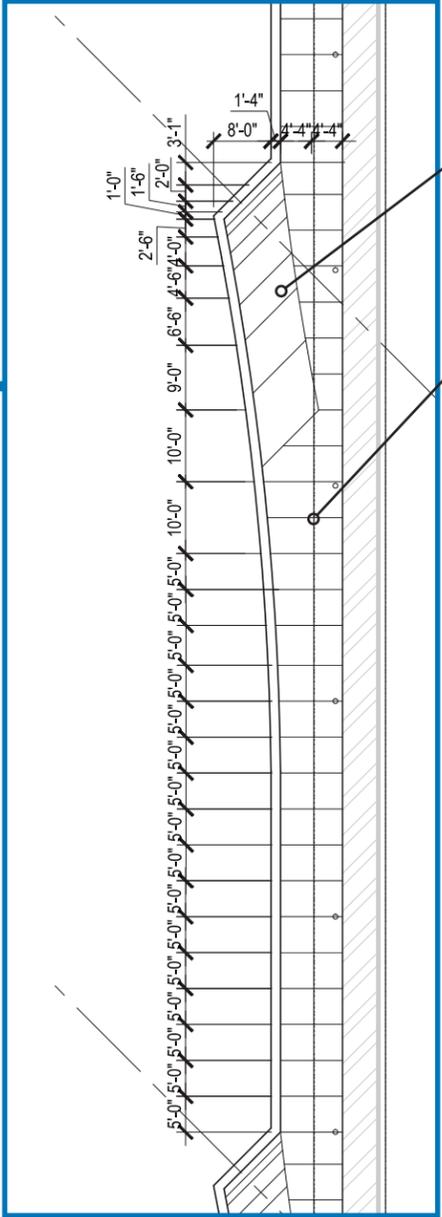
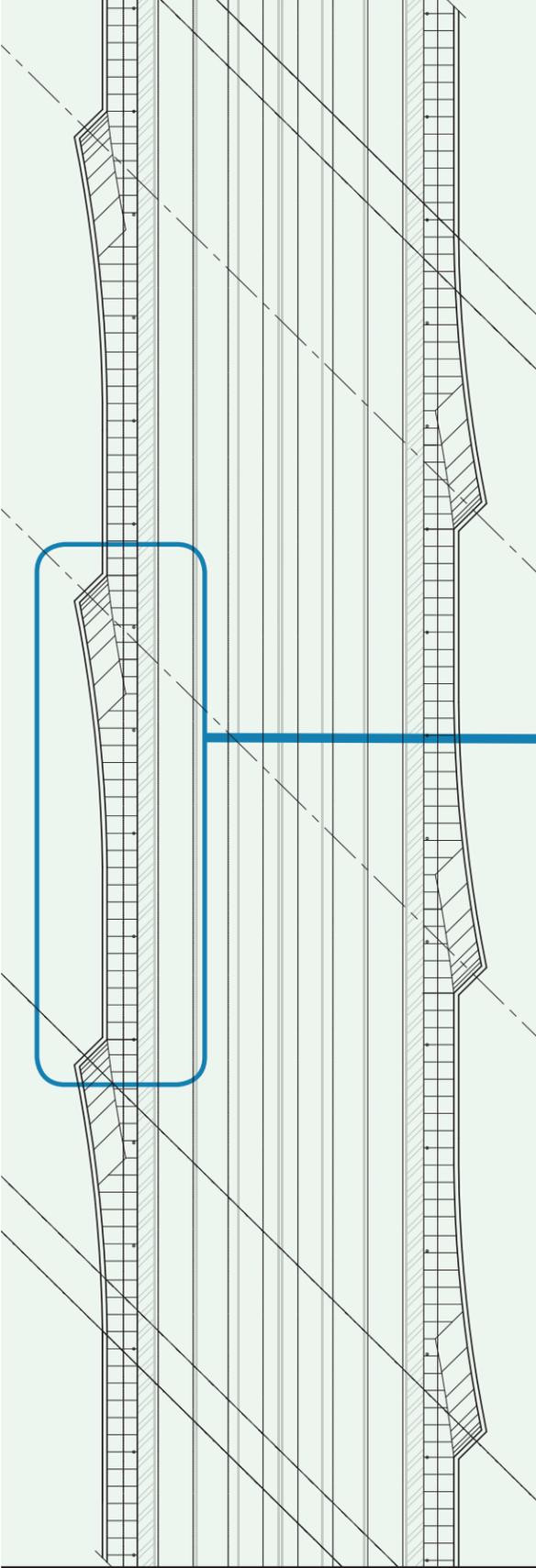


B.3

OPTION 'B' VARIATIONS



SIDEWALK DESIGN - OPTION 'C'

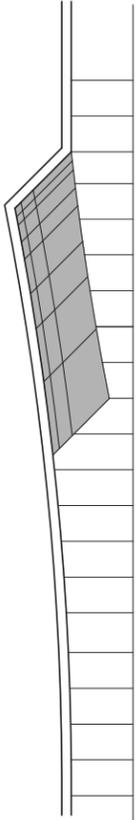


Parallelogram shape @ belvederes. Stained finish or contrasting broom finish, optional.

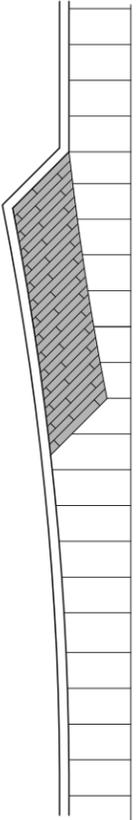
1/2" Tooled joints, typ. Expansion joints per structural requirements.



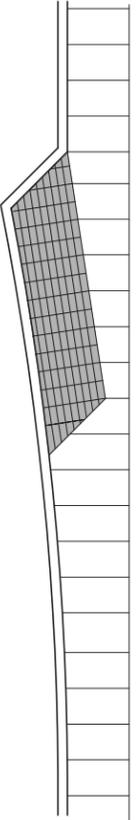
DIRECTIONAL BROOM FINISH
* Pattern and location to be determined



C.1



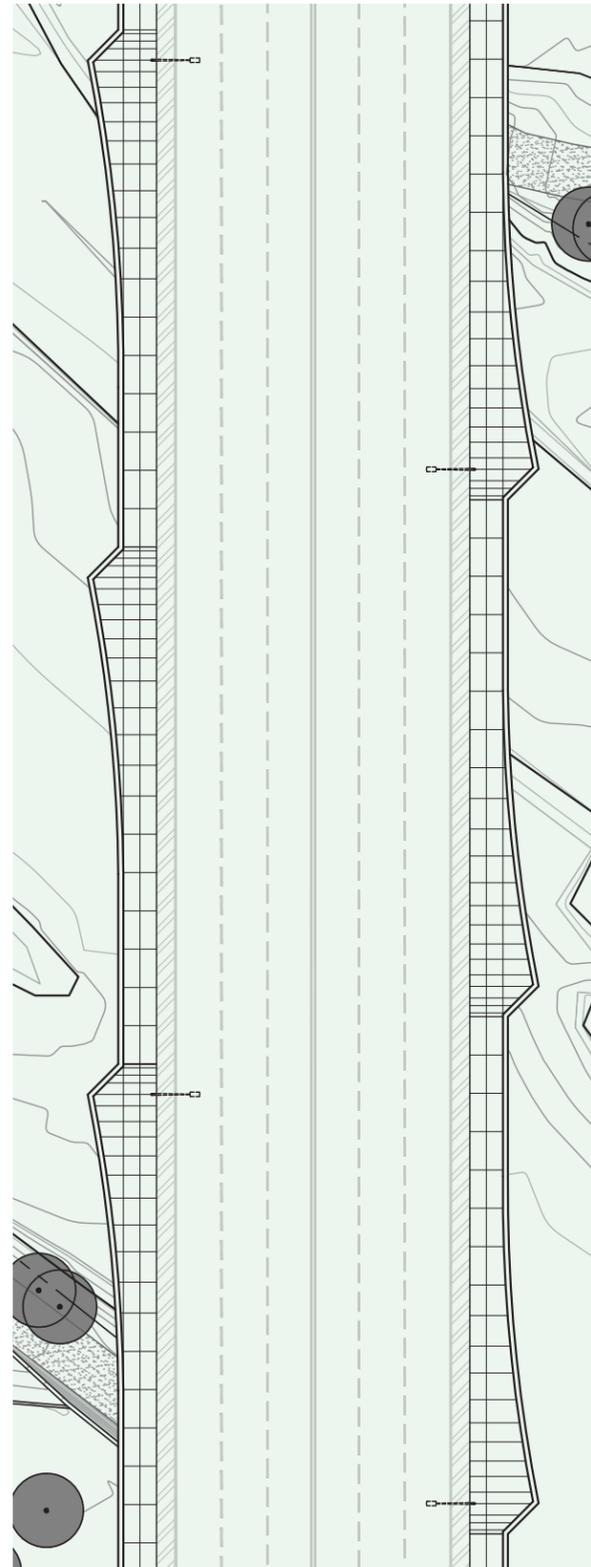
C.2



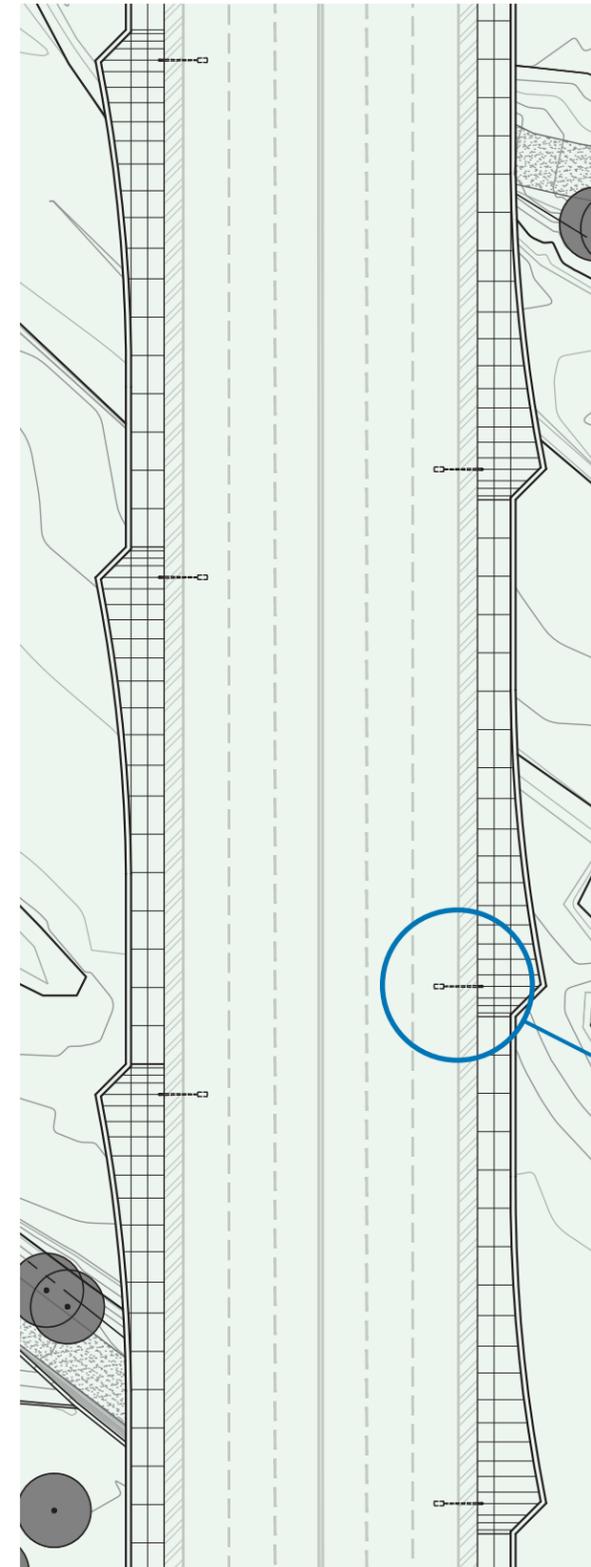
C.3

OPTION 'C' VARIATIONS





SCHEME A.2



SCHEME A.1

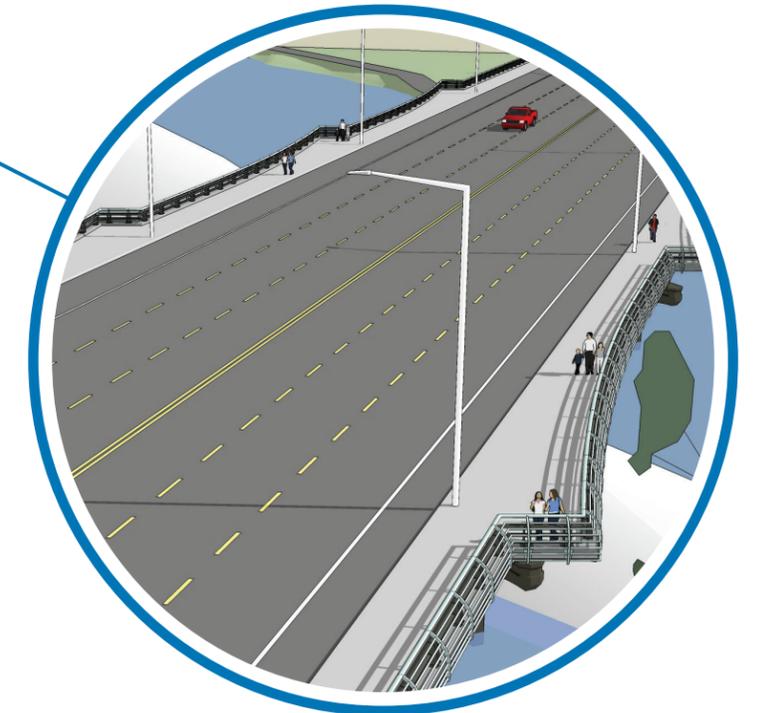
BRIDGE LIGHTING - SCHEME 'A'

TRADITIONAL ROADWAY LIGHTING

This lighting scheme combines pole and mast overhead roadway lighting with in-rail accent lighting at the outside perimeter of the bridge.

The overhead roadway lighting is located at the center of the bridge in a 3'-0" concrete median strip. The roadway lighting will provide lighting for the pedestrian way, the bicycle lane, and all lanes of traffic. Roadway lighting is mounted on approx. 35-foot poles with 10-foot masts at approx. 135-foot spacing. Type 3 optics will be provided in the fixtures to mitigate lighting behind fixture.

Accent lighting will be integrated into the top rail of the pedestrian railing system, designed to cast light downward onto the crash rail and the sidewalk and outside curb below. In-rail light fixtures are 3/4" LEDs, installed @ 2'-0" o.c. 2700K, 3000K, 3500K, and 4000K white color temperatures are available. Alternately, programmable RGB LED lighting is also available.

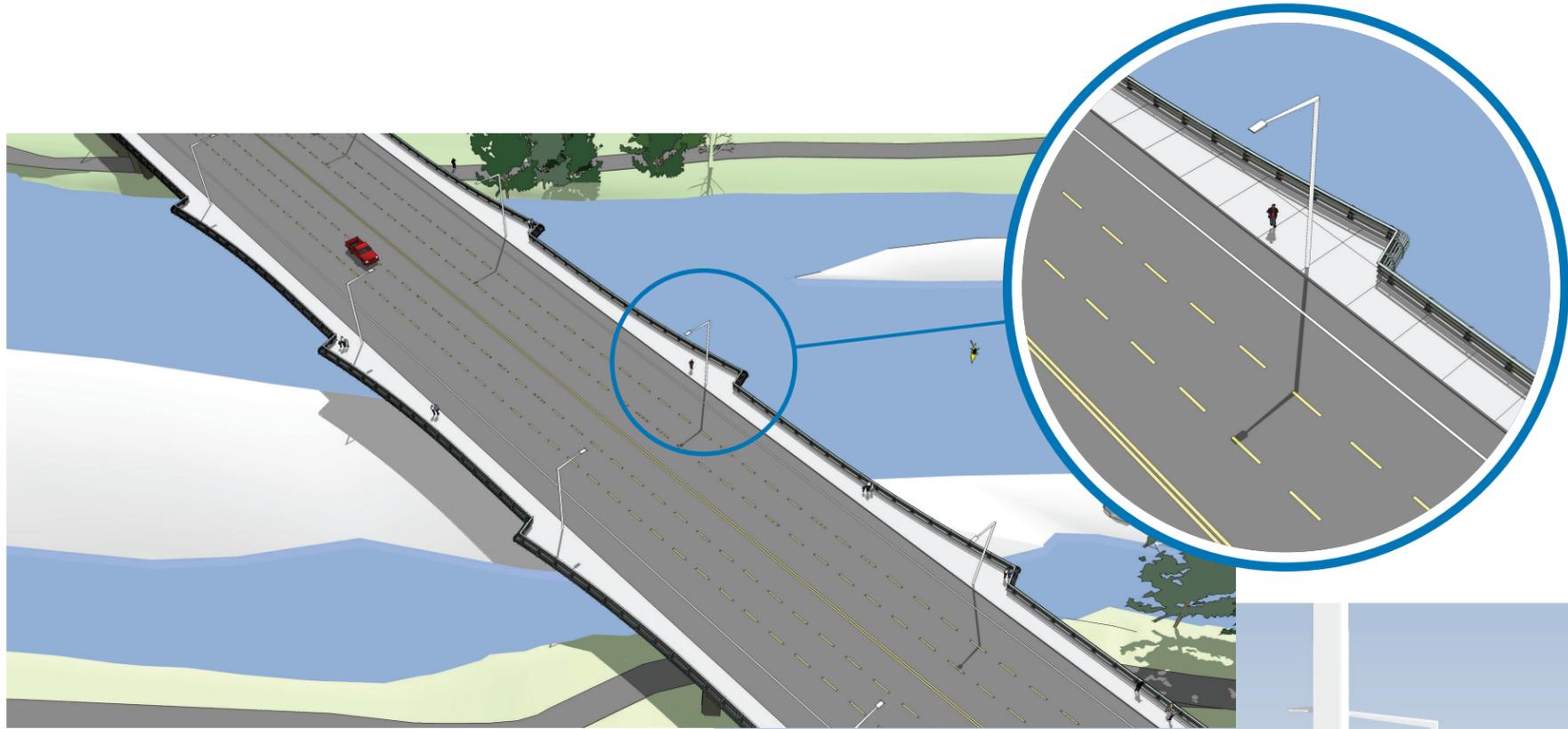


BRIDGE LIGHTING - SITE PLANS

BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO



BRIDGE LIGHTING - SCHEME 'A'



LIGHTING SCHEME A.1 (shown)
 Roadway light fixture in sidewalk,
 35-ft pole / 10-ft double mast.



BASIS OF DESIGN
AEL AUTOBAHN ATL2
 Overhead roadway lighting
 Type 3 optics



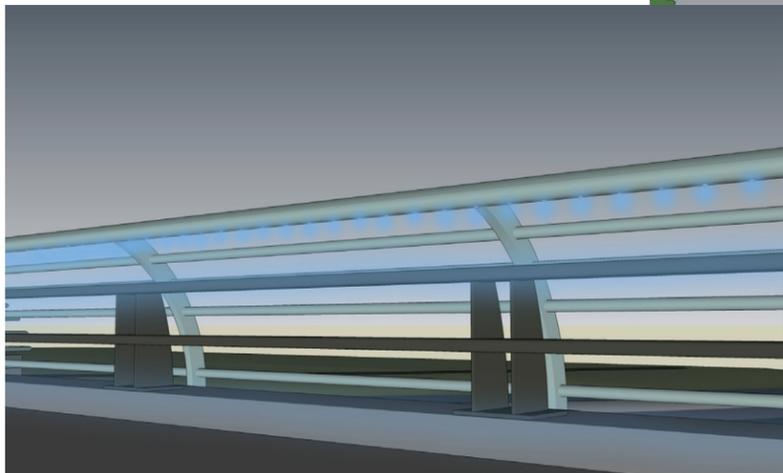
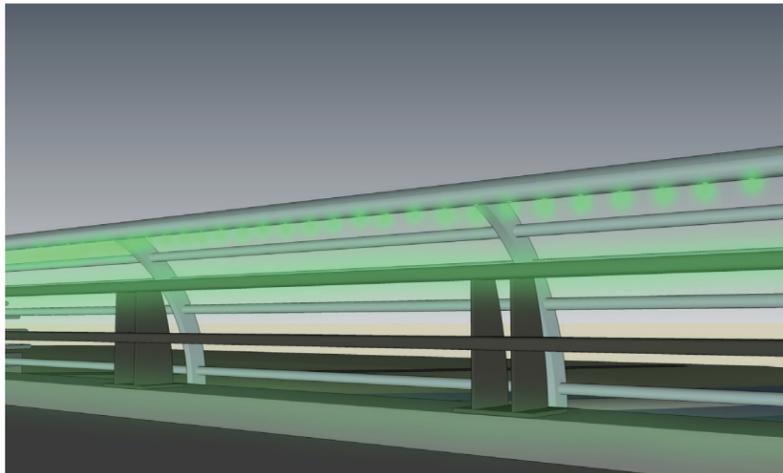
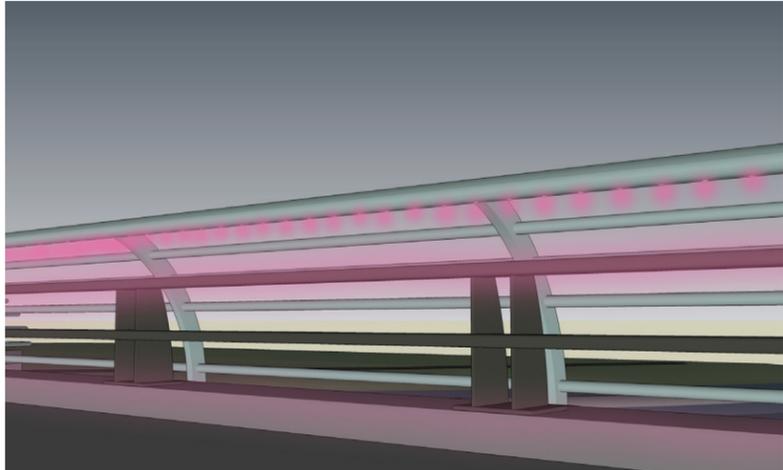
BRIDGE LIGHTING DETAILS
BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO



BRIDGE LIGHTING - SCHEME 'A'



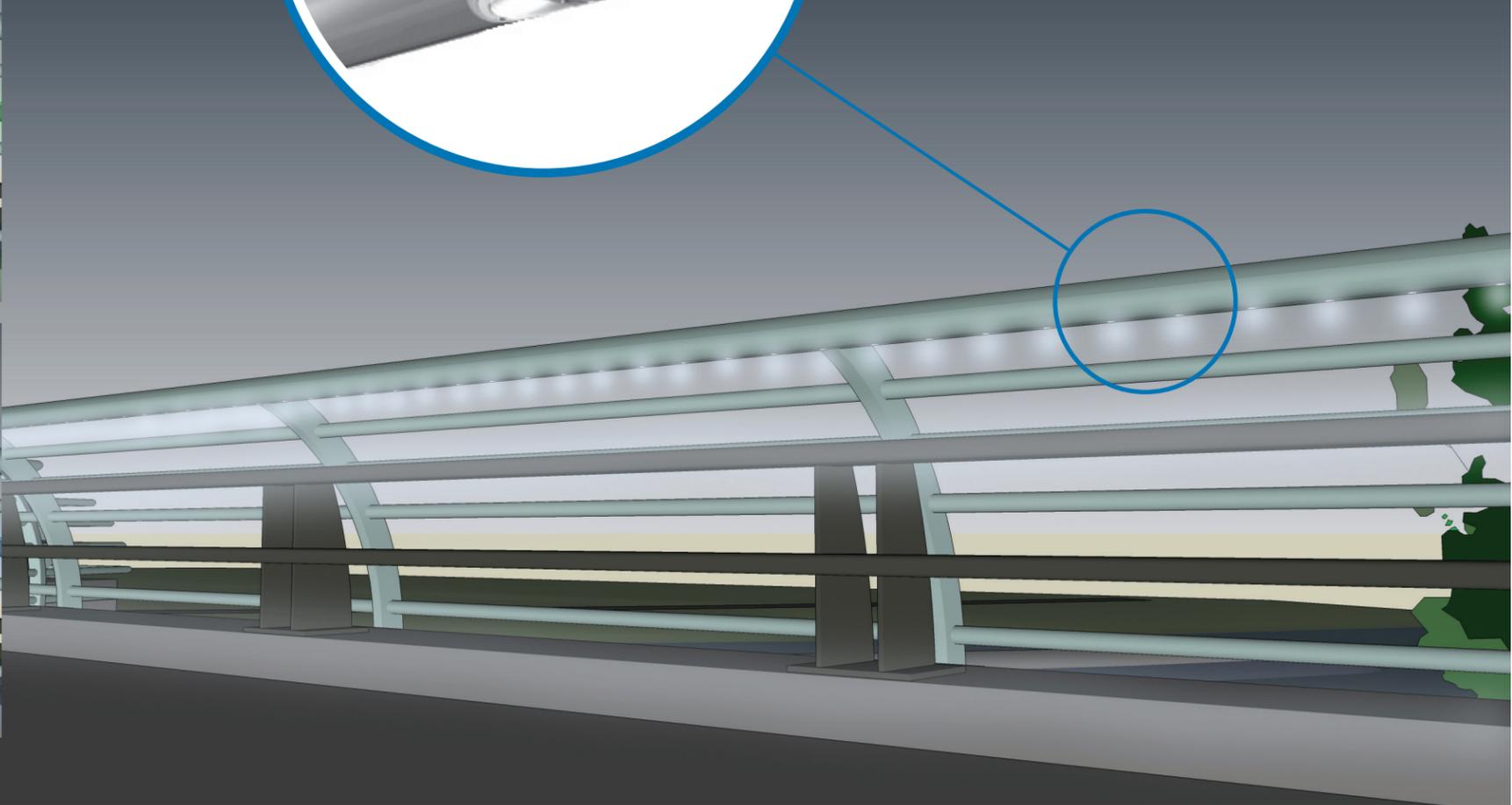
RGB COLOR OPTIONS



BASIS OF DESIGN

WAGNER 'LUMENRAIL' WHITE LED
In-rail accent downlighting,
3/4" point source lights @ 2'-0" o.c.

OPTIONAL:
DMX-controlled RGB full color.

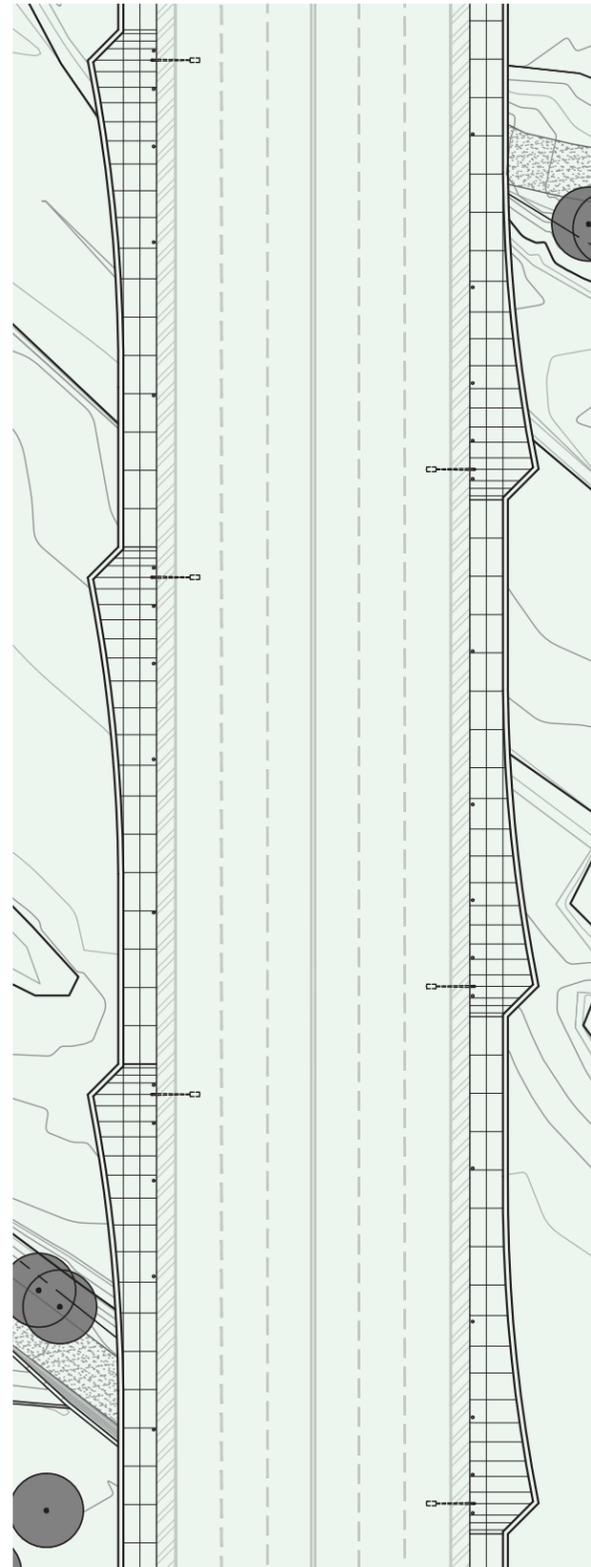




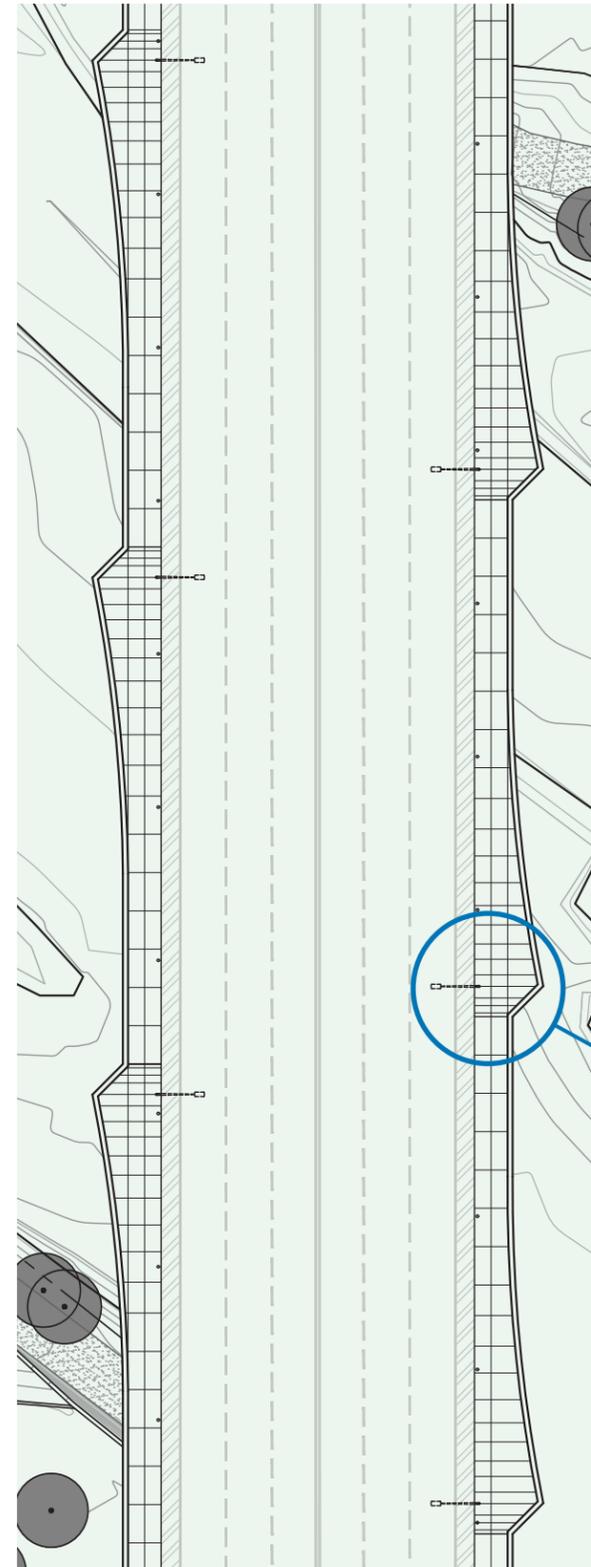
SCHEME 'A' BRIDGE LIGHTING - DAY & TWILIGHT VIEWS

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BROADWAY AVENUE
BOISE, IDAHO





SCHEME B.2
Light spacing varies



SCHEME B.1
Regularly-spaced lights

BRIDGE LIGHTING - SCHEME 'B'

PEDESTRIAN-SCALE LIGHTING

This lighting scheme combines pedestrian-scale column-lighting at the edge of sidewalk with in-rail accent lighting at the outside perimeter of the bridge. Roadway lighting similar to Scheme A, will provide lighting for vehicular use.

The parkway-style column lighting is located at the curb edge of the sidewalk for shared use between pedestrians and bicyclists. Option B.1 shows a typical 40-foot spacing along the length of the sidewalk. Option B.2 shows an alternate spacing that places an emphasis on the belvederes.

Accent lighting will be integrated into the top rail of the pedestrian railing system, designed to cast light downward onto the crash rail and the sidewalk and outside curb below. In-rail light fixtures are 3/4" LEDs, installed @ 2'-0" o.c. 2700K, 3000K, 3500K, and 4000K white color temperatures are available. Alternately, programmable RGB LED lighting is also available.

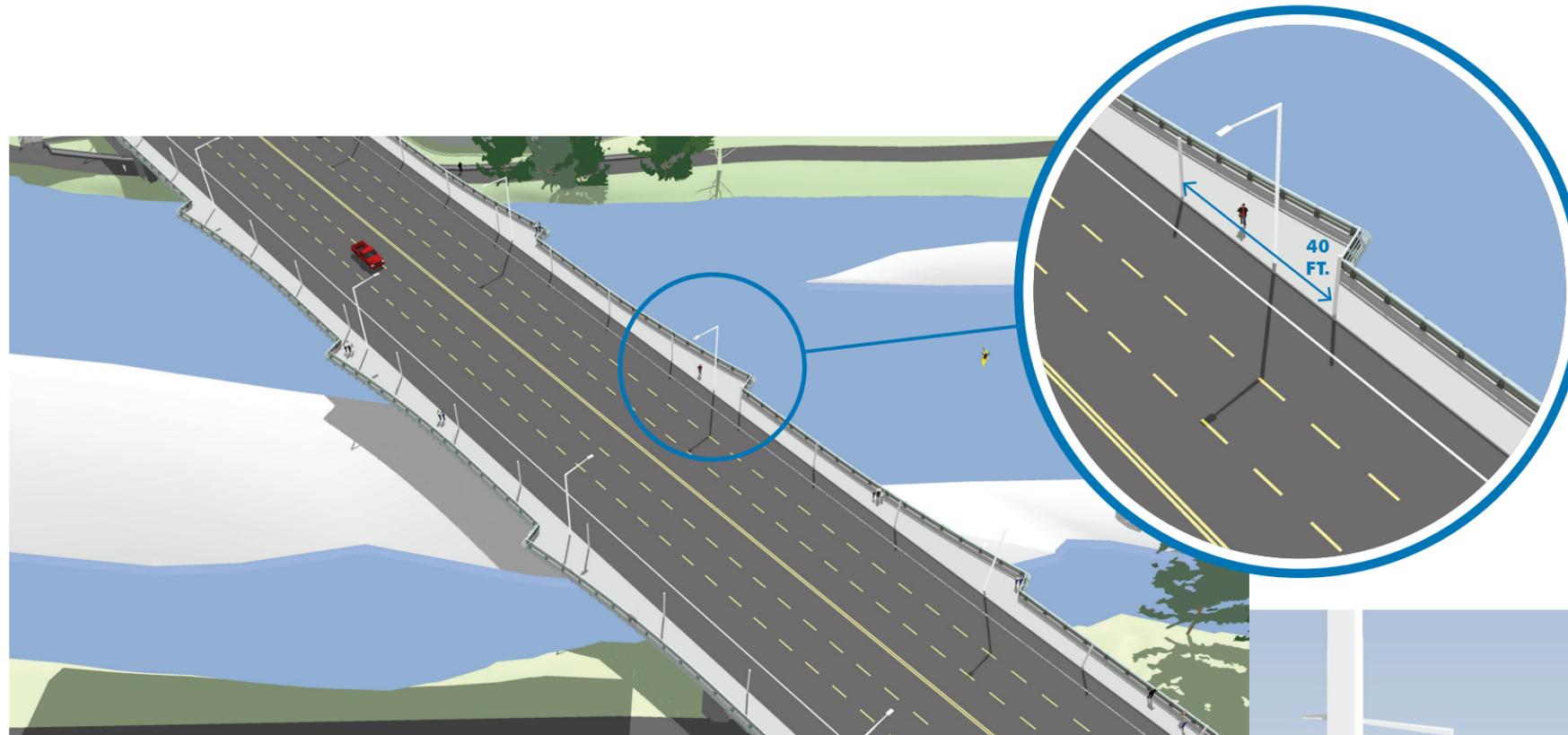


BRIDGE LIGHTING - SITE PLANS

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BRIDGE LIGHTING - SCHEME 'B.1'



LIGHTING SCHEME B.1 (shown)
Roadway light fixture in sidewalk,
35-ft pole / 10-ft double mast,
pedestrian lights @ 40'-0" o.c.



BASIS OF DESIGN
AEL AUTOBAHN ATL2
Overhead roadway lighting
Type 3 optics



BRIDGE PEDESTRIAN LIGHTING

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BROADWAY AVENUE
BOISE, IDAHO



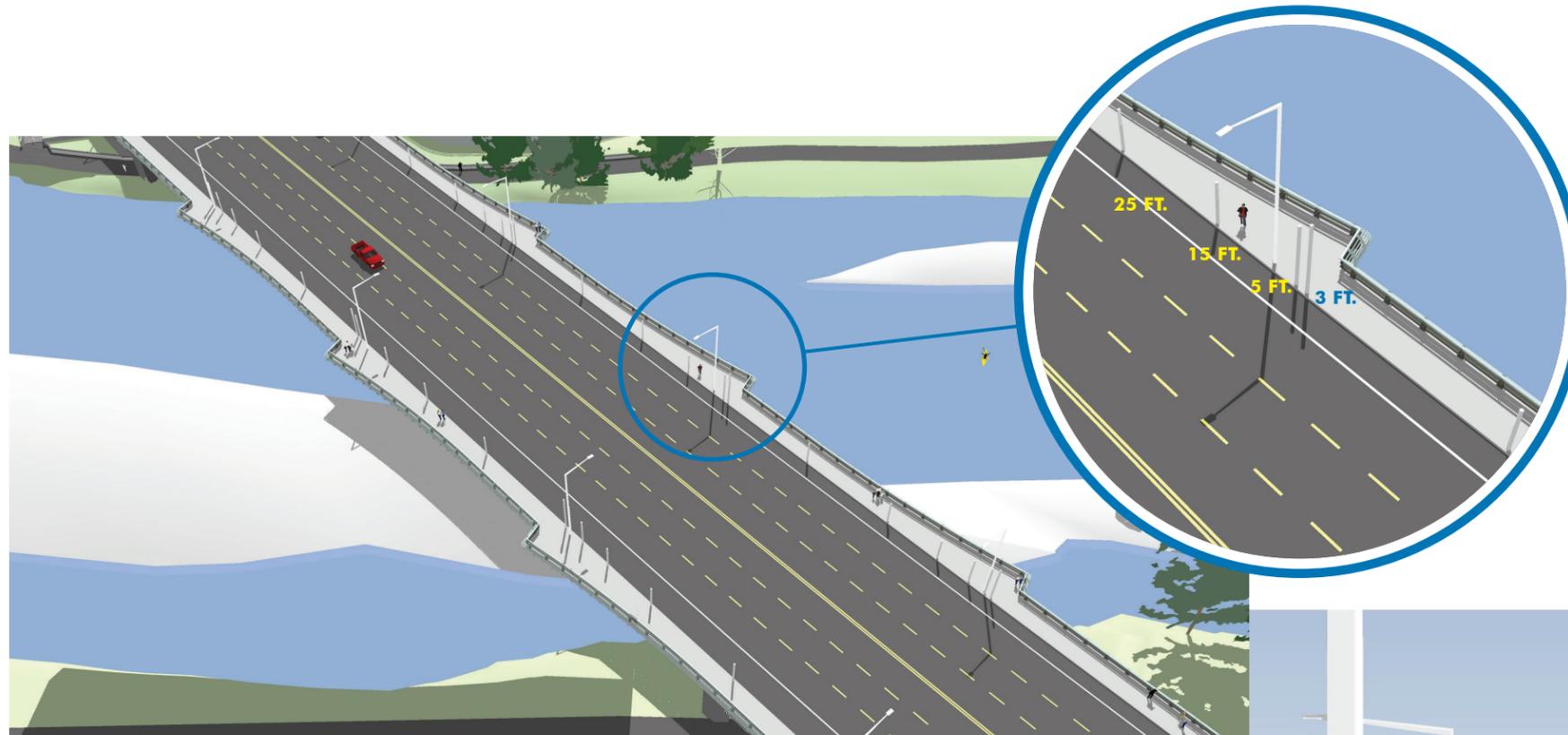


SCHEME 'B.1' BRIDGE LIGHTING - DAY & TWILIGHT VIEWS

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BROADWAY AVENUE
BOISE, IDAHO



BRIDGE LIGHTING - SCHEME 'B.2'



LIGHTING SCHEME B.2 (shown)
 Roadway light fixture in sidewalk,
 35-ft pole / 10-ft double mast,
 pedestrian lights @ various spacing.



BASIS OF DESIGN
AEL AUTOBAHN ATL2
 Overhead roadway lighting
 Type 3 optics



BRIDGE PEDESTRIAN LIGHTING

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 BROADWAY AVENUE
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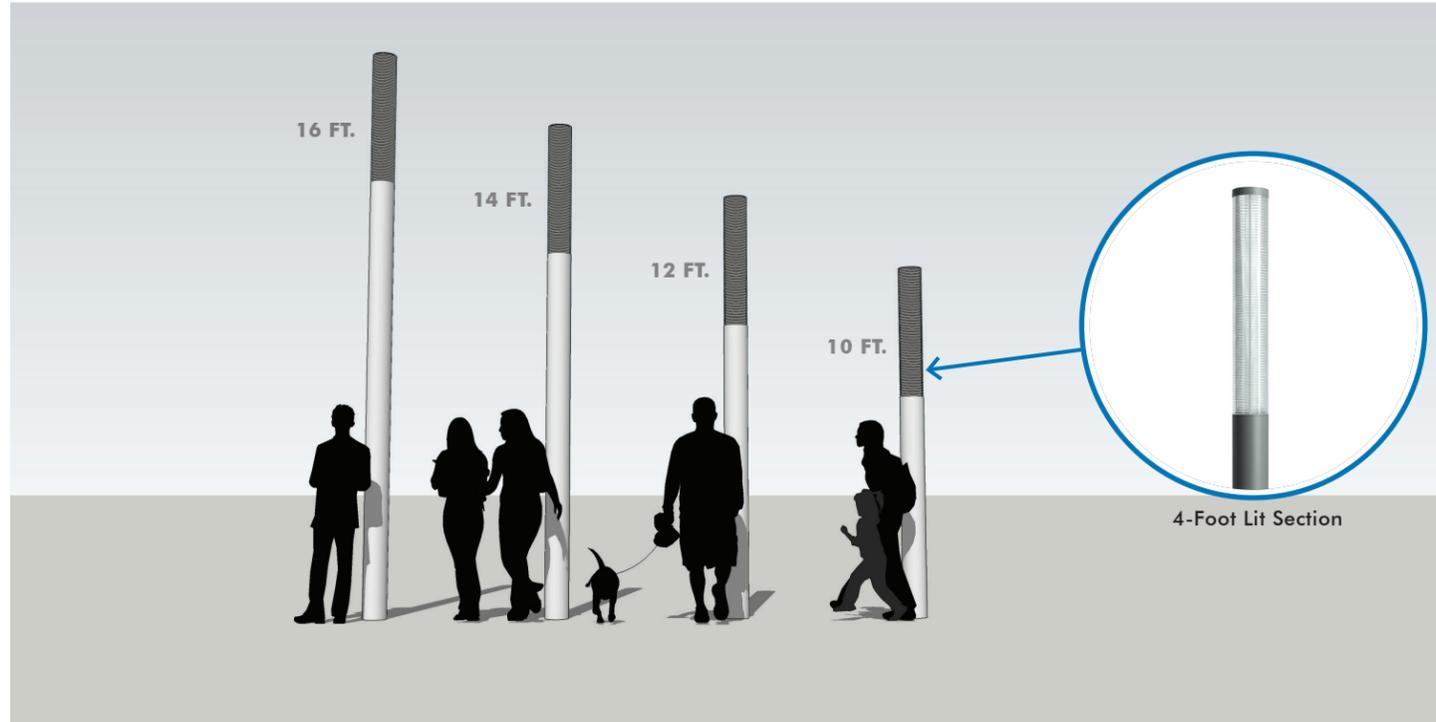


SCHEME 'B.2' BRIDGE LIGHTING - DAY & TWILIGHT VIEWS

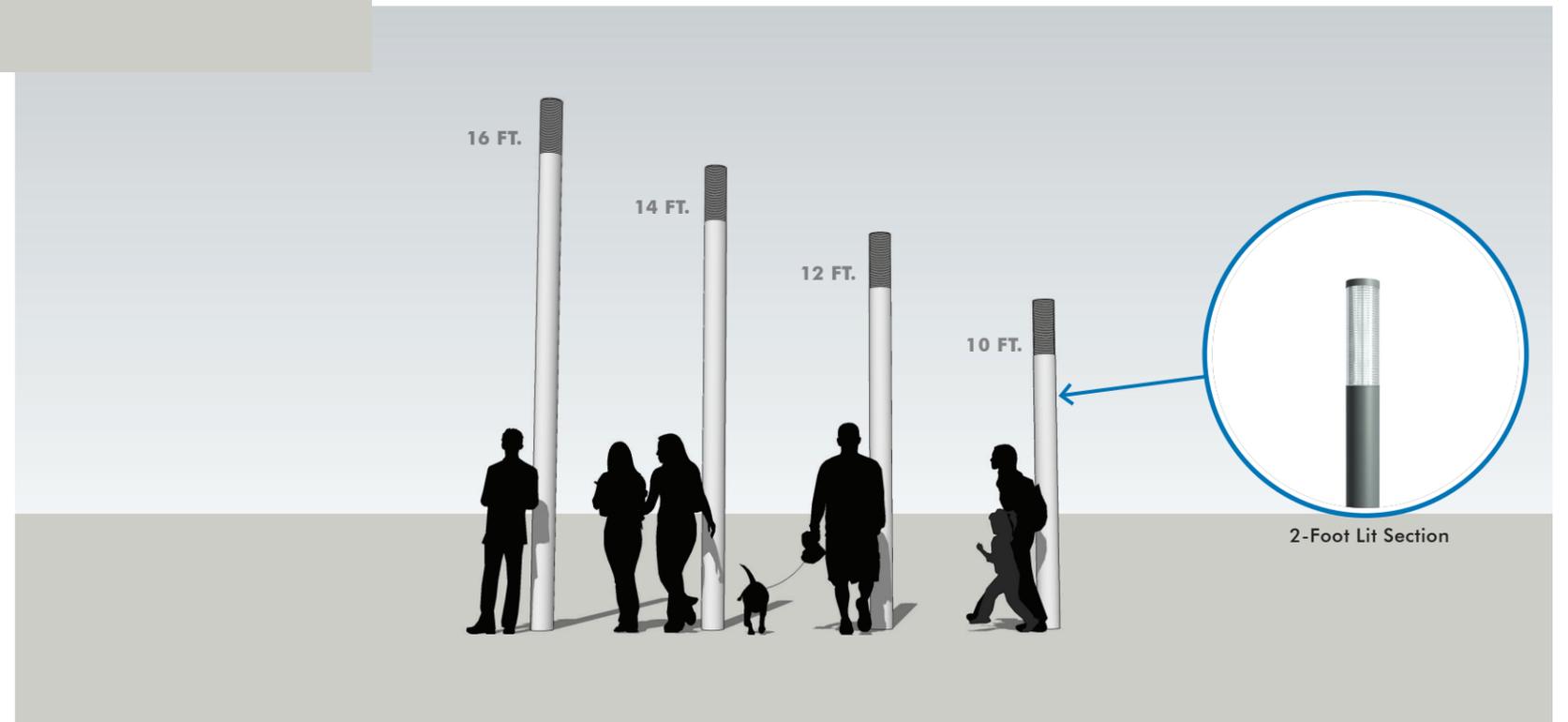
BROADWAY BRIDGE REPLACEMENT PROJECT
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BRIDGE LIGHTING - SCHEME 'B'
Column Lighting Fixture Options



BASIS OF DESIGN
SELUX MTRCL LED
 Pedestrian light fixture w/ 4'-0" lit section.



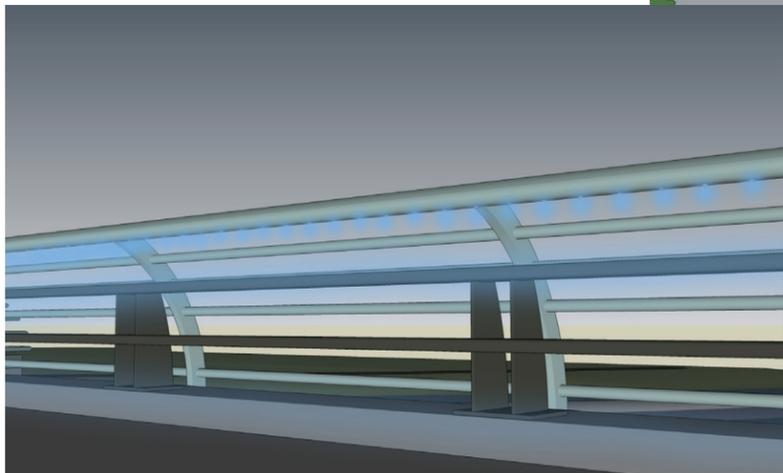
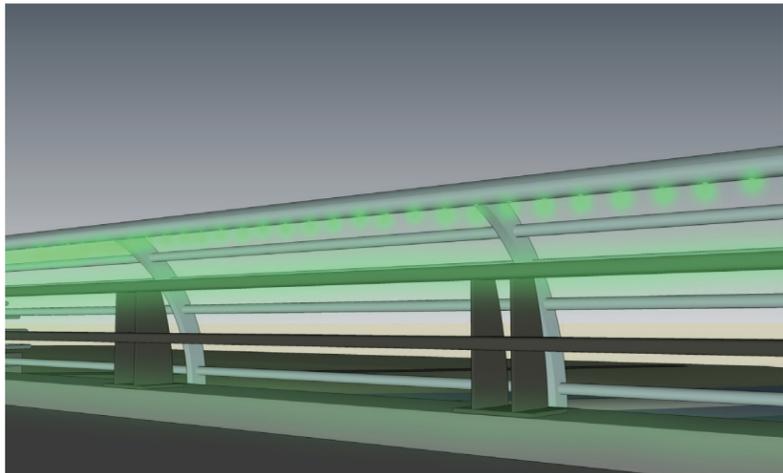
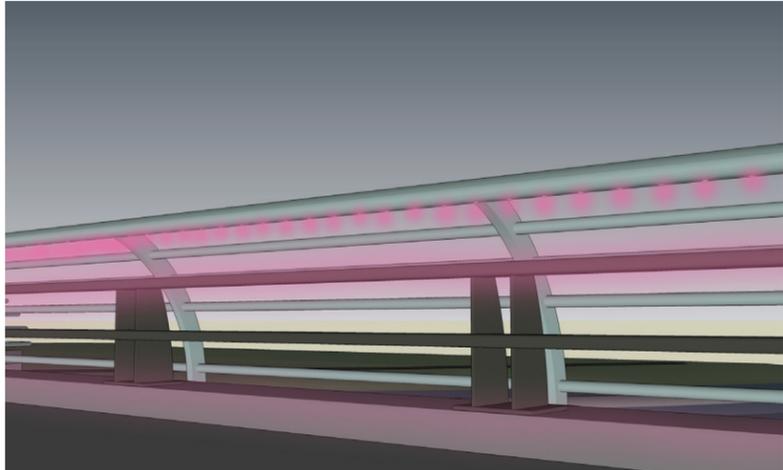
BASIS OF DESIGN
SELUX MTRCL LED
 Pedestrian light fixture w/ 2'-0" lit section.



BRIDGE LIGHTING - SCHEME 'B'



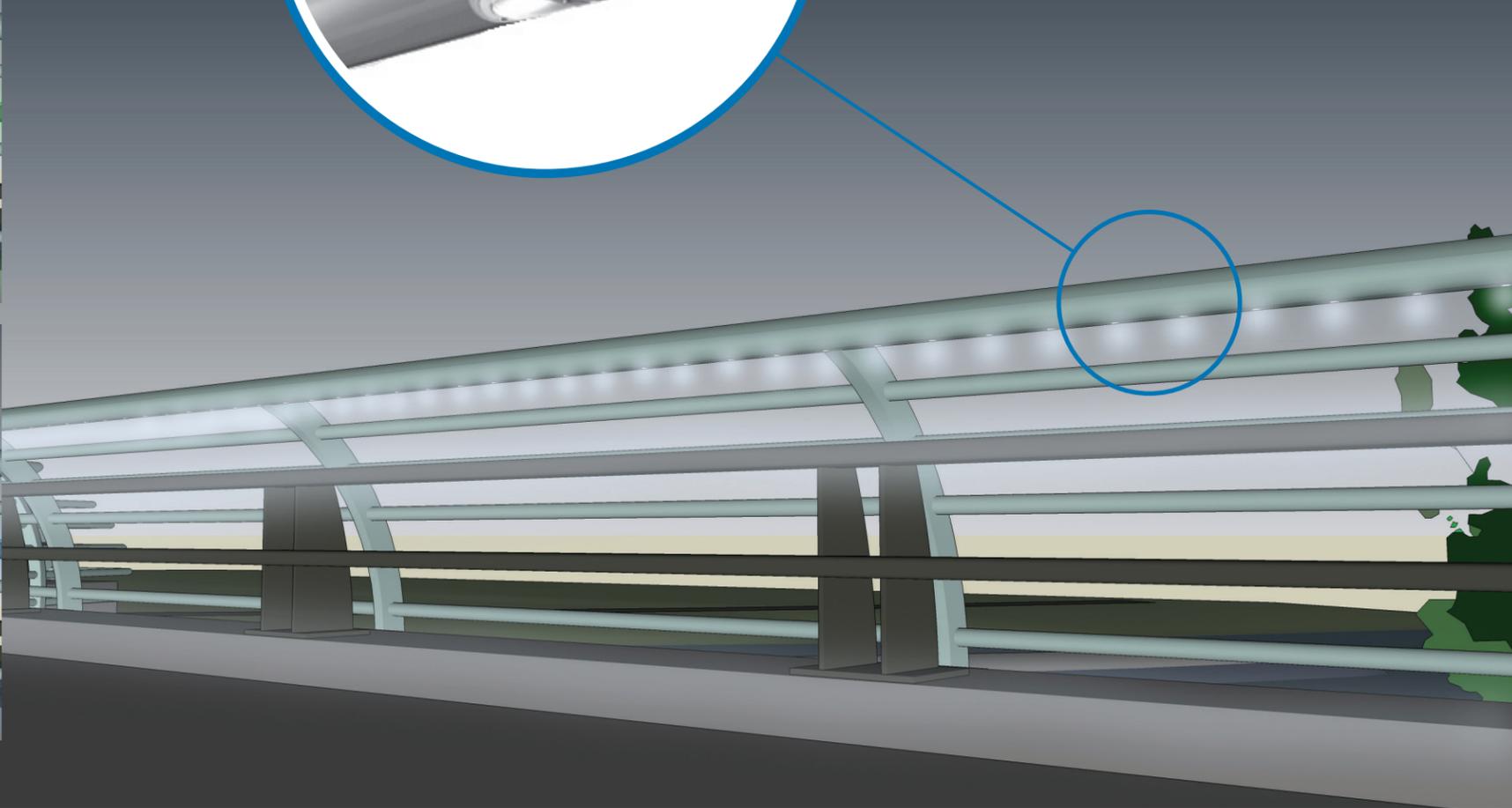
RGB COLOR OPTIONS

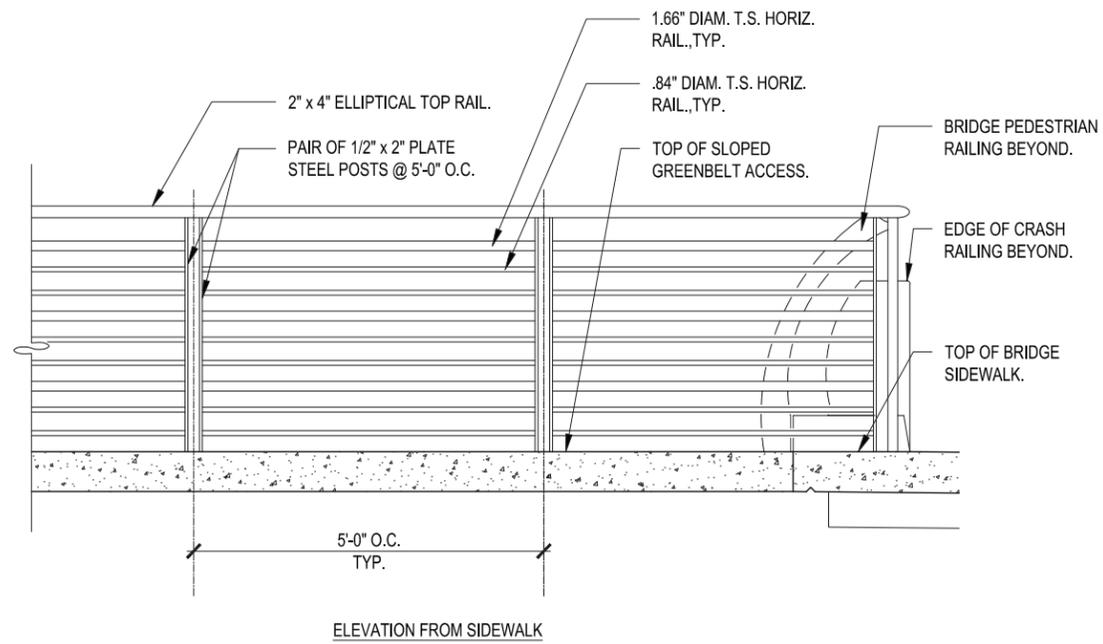


BASIS OF DESIGN

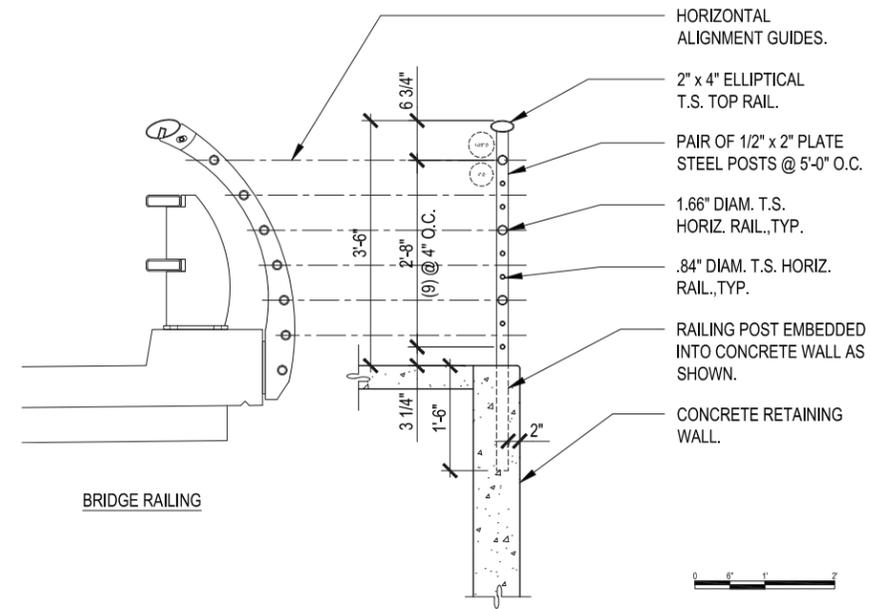
WAGNER 'LUMENRAIL' WHITE LED
In-rail accent downlighting,
3/4" point source lights @ 2'-0" o.c.

OPTIONAL:
DMX-controlled RGB full color.





RAILING ELEVATION



RAILING SECTION



SCHEMATIC VIEW OF RAILING FROM GREENBELT

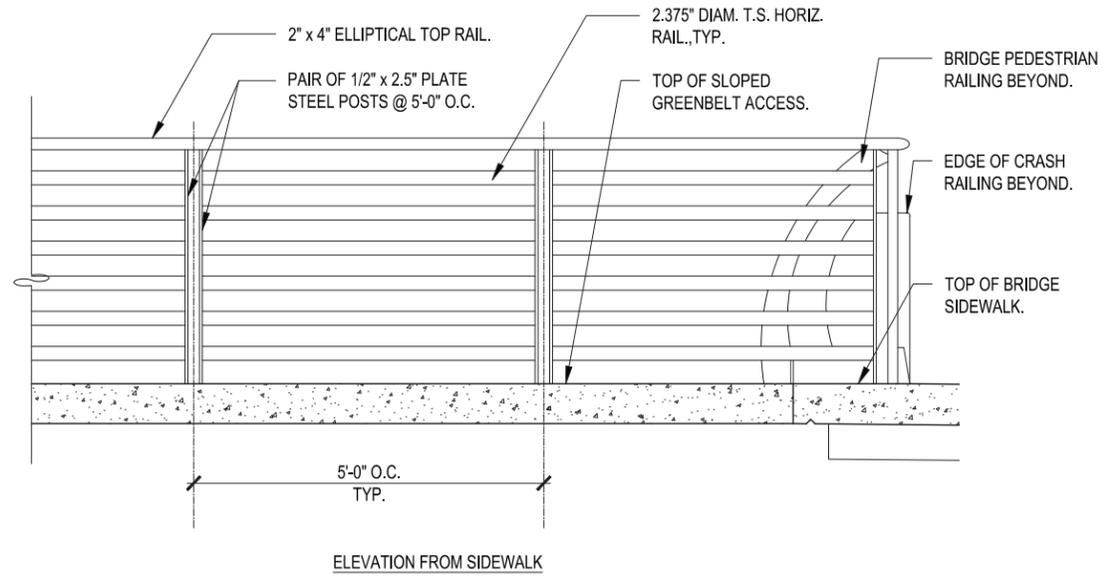


ENLARGED VIEW OF RAIL

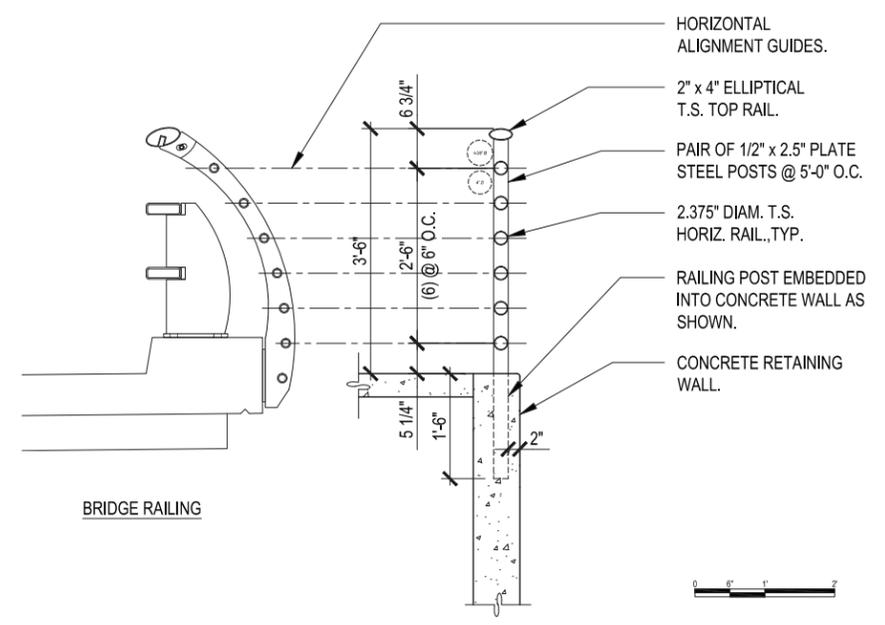
GREENBELT RAILING DESIGN - OPTION 'A'

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 BROADWAY AVENUE
 BOISE, IDAHO

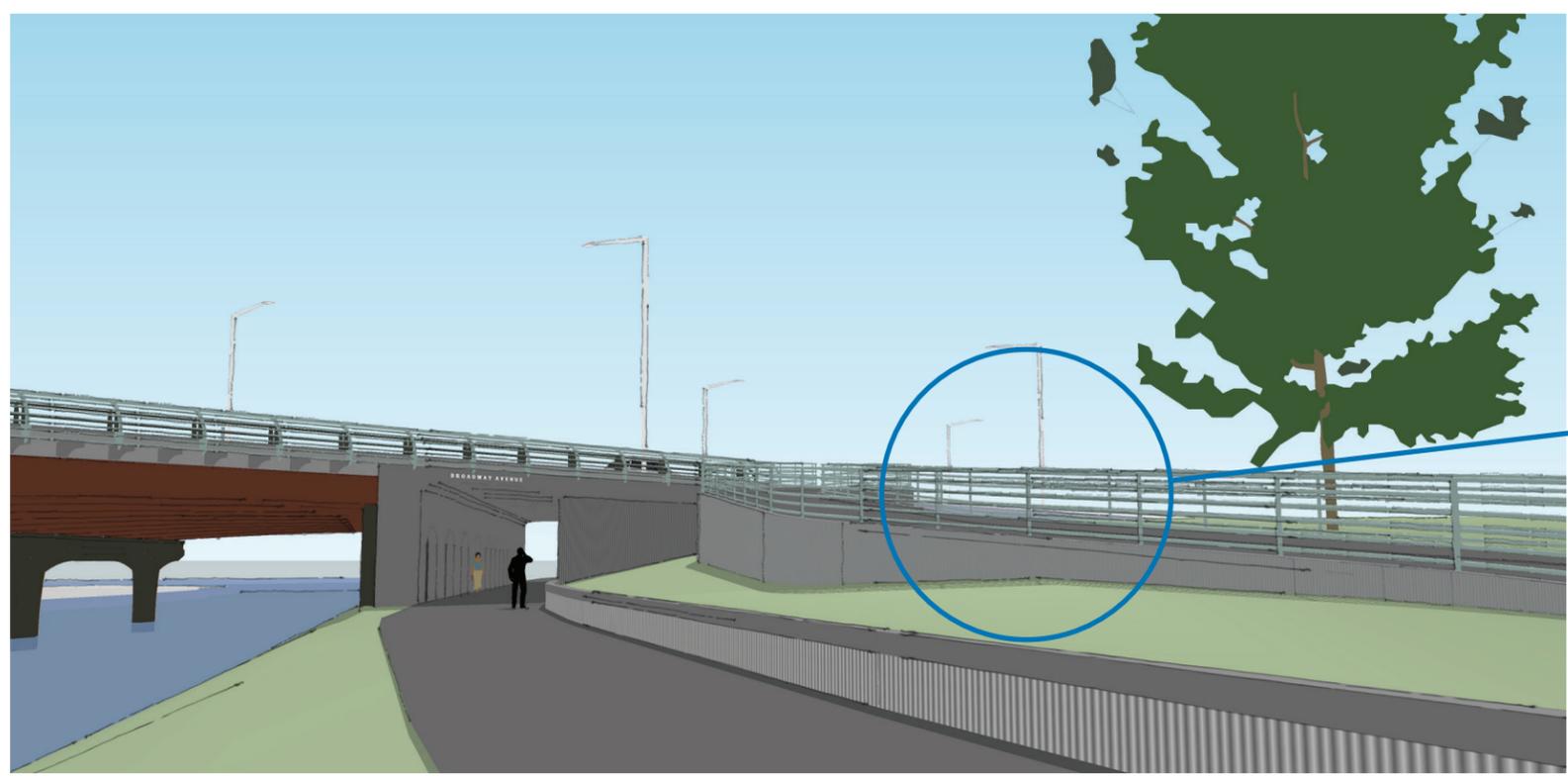




RAILING ELEVATION



RAILING SECTION



SCHEMATIC VIEW OF RAILING FROM GREENBELT



ENLARGED VIEW OF RAIL

GREENBELT RAILING DESIGN - OPTION 'B'

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BOISE, IDAHO





VIEW OF STAIR RAILING FROM GREENBELT

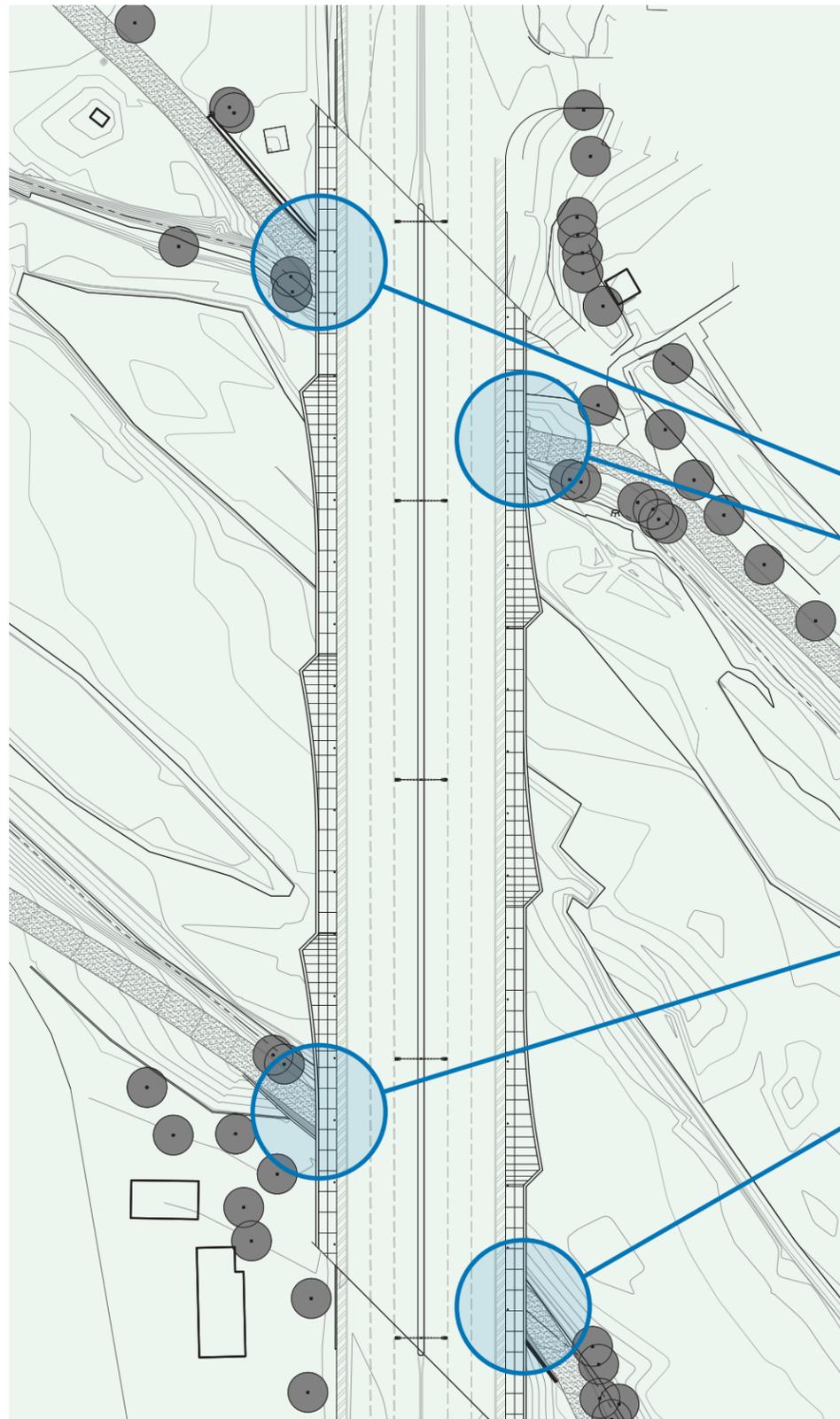


VIEW OF STAIR FROM ABOVE

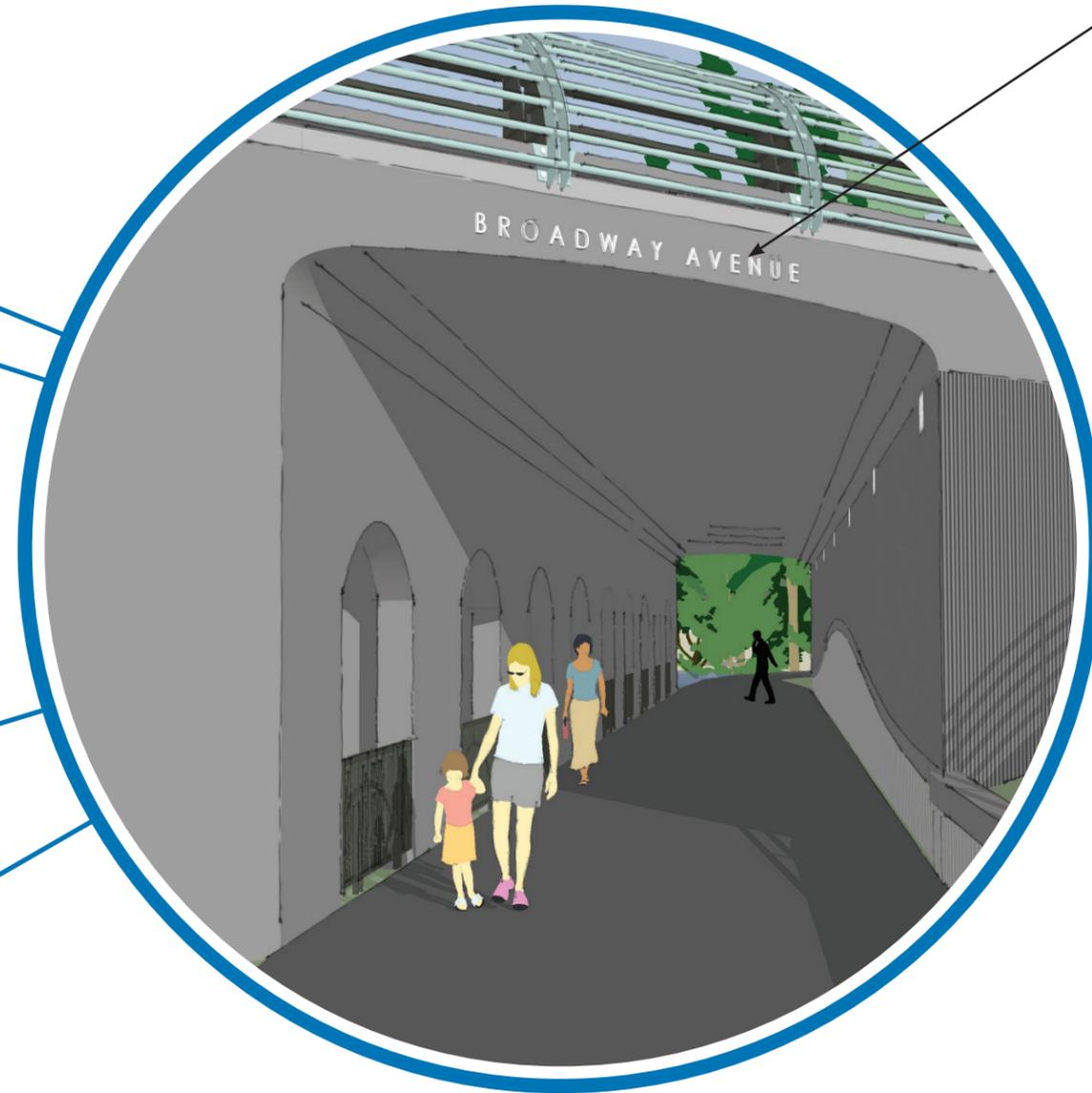
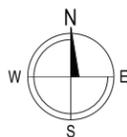
GREENBELT STAIR RAILING DESIGN

BROADWAY BRIDGE REPLACEMENT PROJECT
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 BOISE, IDAHO





BRIDGE PLAN VIEW



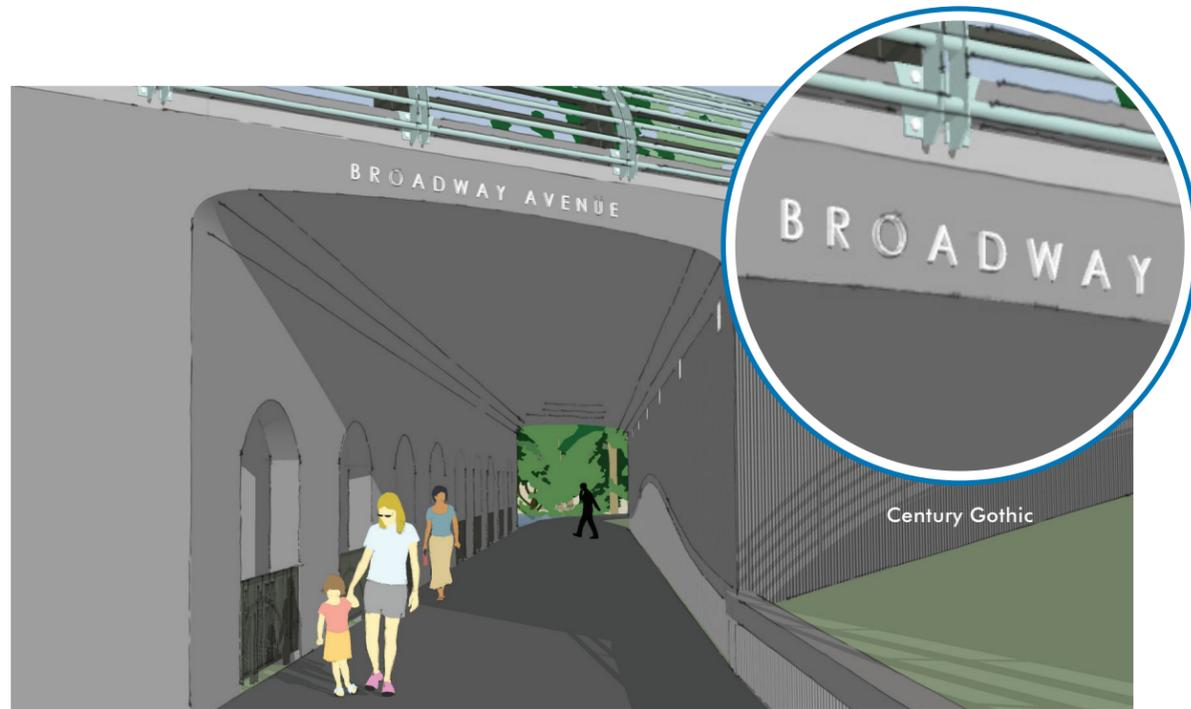
5" powder-coated metal lettering, stud-mounted on face of concrete. Color to be determined, high contrast to concrete wall behind.

BROADWAY AVE. SIGNAGE
 Located above greenbelt tunnel, typical of (4).

BROADWAY BRIDGE SIGNAGE LOCATIONS

BROADWAY BRIDGE REPLACEMENT PROJECT
 BROADWAY AVENUE
 BOISE, IDAHO

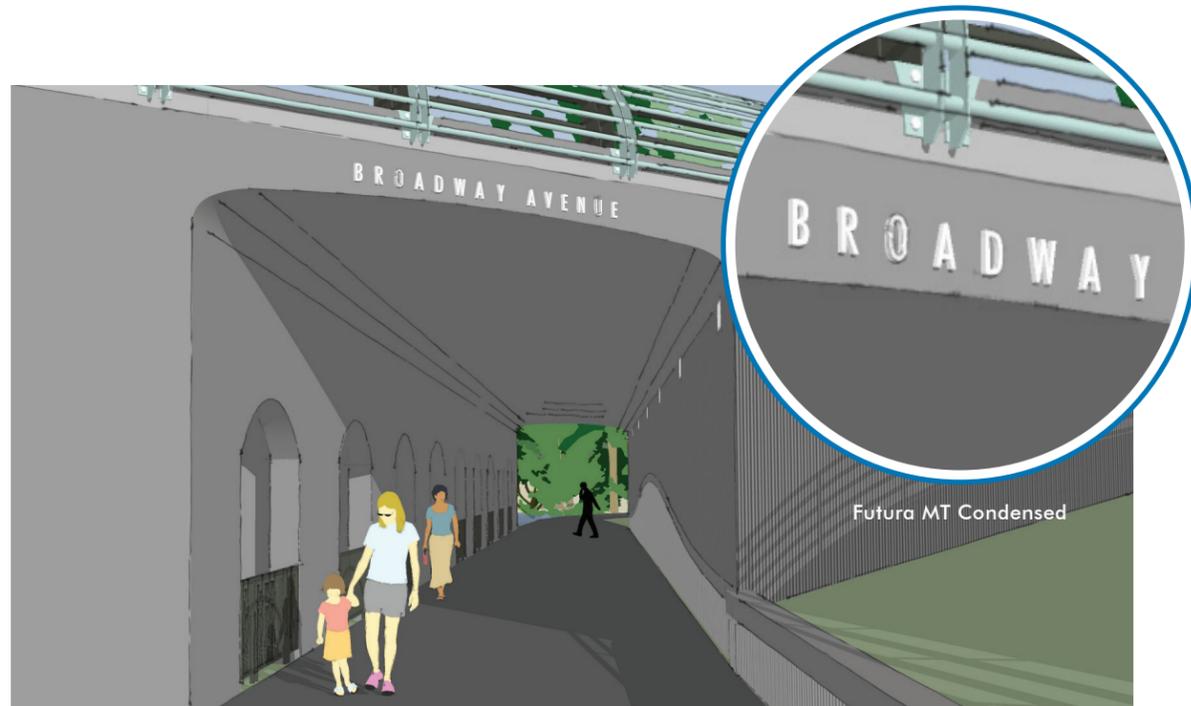




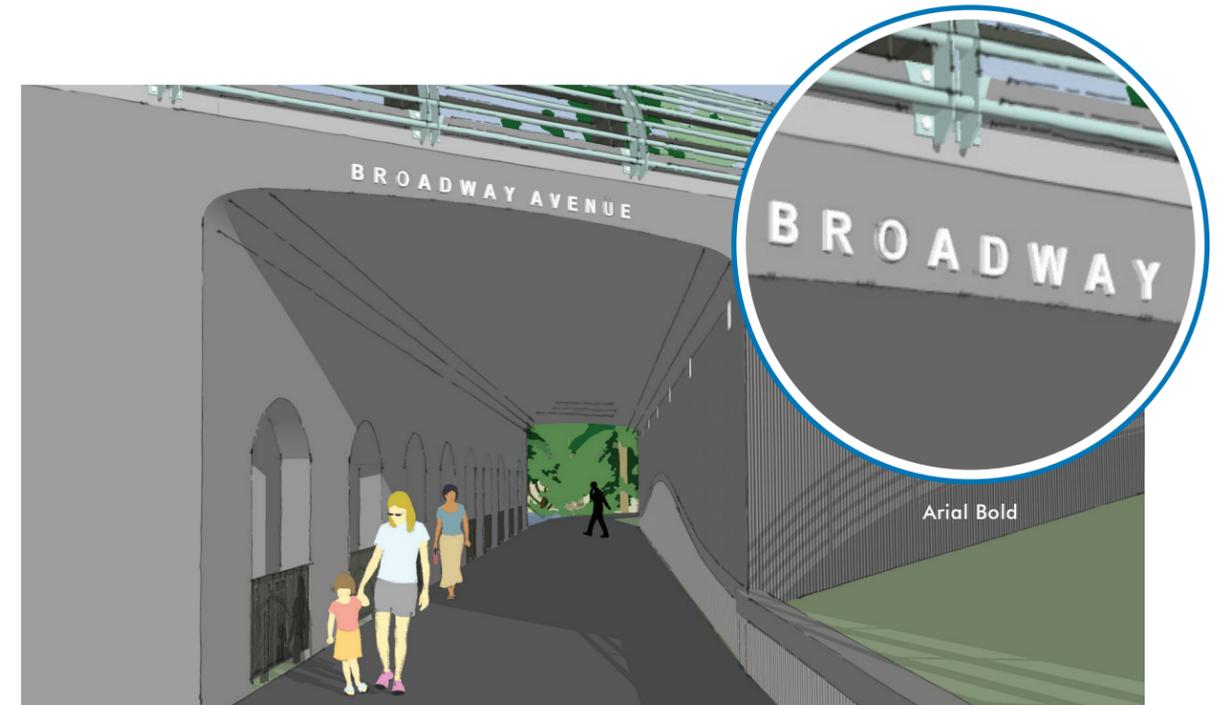
OPTION 1
5" Metal letters, powder coated.



OPTION 3
5" Metal letters, powder coated.



OPTION 2
5" Metal letters, powder coated.



OPTION 4
5" Metal letters, powder coated.

BROADWAY BRIDGE SIGNAGE OPTIONS

BROADWAY BRIDGE REPLACEMENT PROJECT
BROADWAY AVENUE
BOISE, IDAHO

