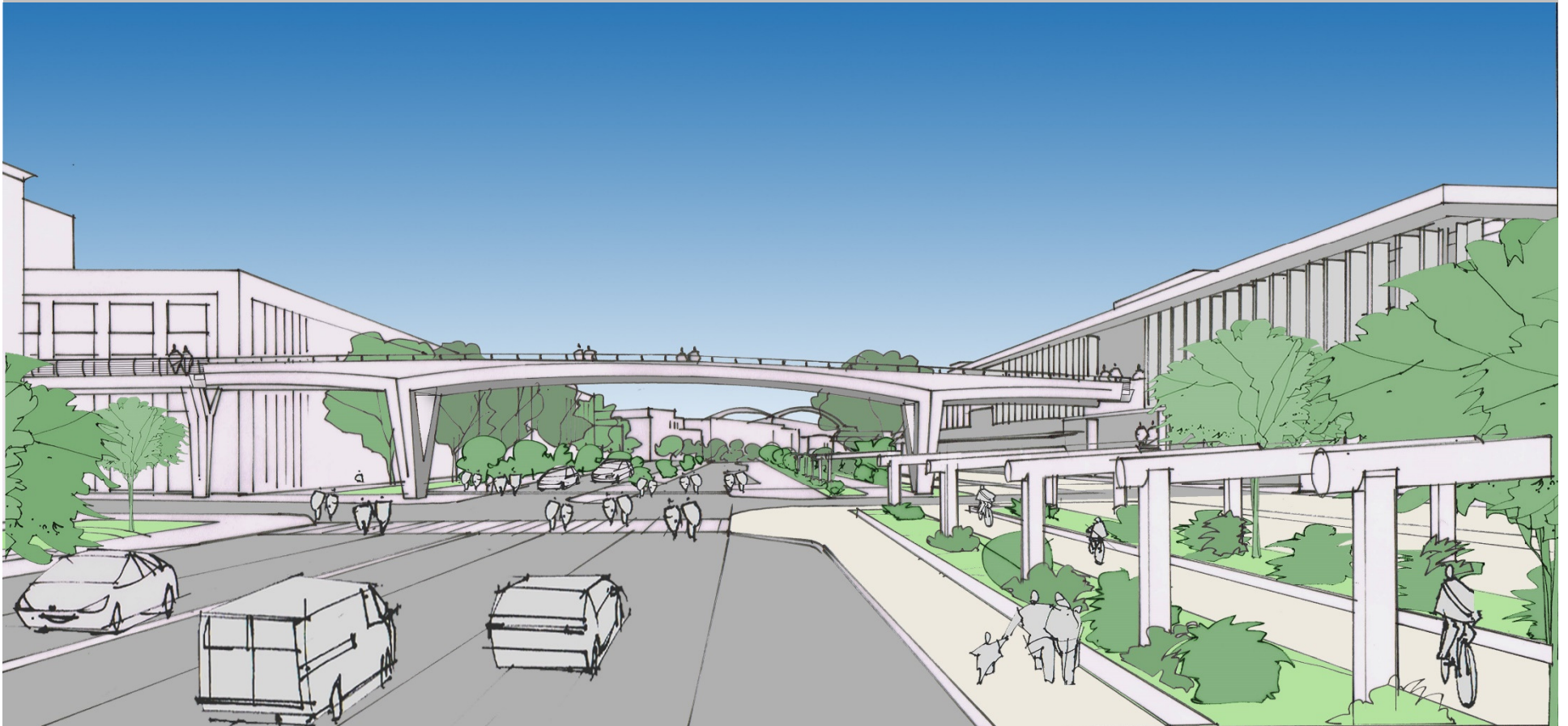


Marion Street Pedestrian Bridge

30% Preliminary Design

August 2nd, 2018



Organization Chart



Office of the
Waterfront
City of Seattle

HDR
Engineer of Record

Paul Bott, PE, SE
Project Manager

Rosales + Partners
Bridge Design

Miguel Rosales, AIA
Bridge Designer

Project is WSDOT funded

A map of the Seattle waterfront area. The map shows a grid of streets including S. Washington St., Yesler Way, Columbus, Mario, Madison, Spring, and Seneca St. Pier 48 is labeled in the upper left, and Pier 55 is labeled in the upper right. A blue rectangular box is overlaid on the map, containing three numbered design goals. The background of the map is a light gray with blue lines for streets and green areas for parks or waterfront. The text 'Pier 48' and 'Pier 55' are in black. The street names are in blue and white. The design goals are in white text on a blue background.

Bridge Design Goals

1. Provide grade separated connection for patrons of Colman Dock Facility which improves dock operations and pedestrian circulation.
2. Provide a cost-effective, durable and context sensitive bridge solution which enhances the Waterfront as a place for people.
3. Enhance the City of Seattle Colman Dock Hub Strategy which creates a critical connection point between WSF, Transit, Streetcar, and support other hubs at King Street Station and Westlake.

Existing Context



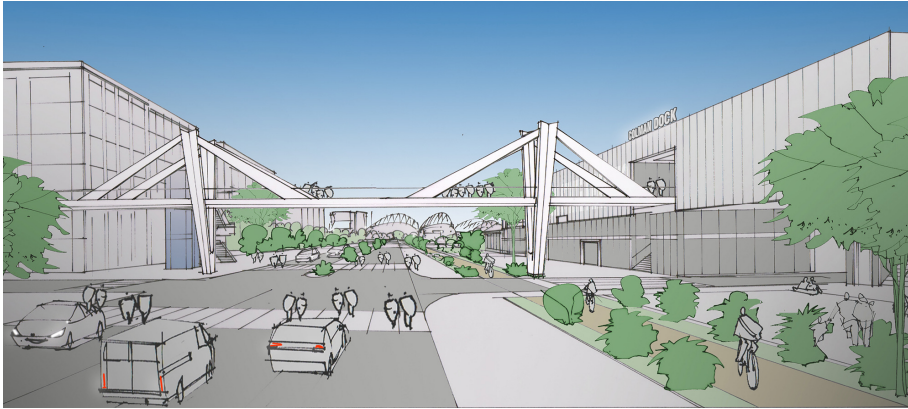


The background of the slide is a photograph of a city skyline, likely San Francisco, viewed from across a body of water. The skyline includes several tall buildings, with the Transamerica Pyramid being prominent on the left. The water in the foreground is blue, and a few boats, including a sailboat, are visible. The sky is blue with some white clouds.

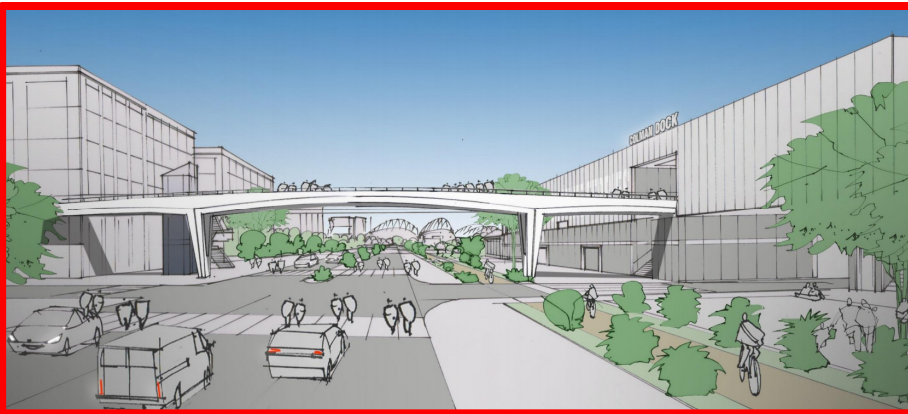
Bridge Design Criteria

1. Minimum width between railings: 16'-0"
2. Minimum height of railings: 42"
3. Minimum Alaskan Way Roadway Clearance: 20'-0"
4. Promenade Clearance: 14'-0" to 16'-0"
5. Minimum number of piers in the right of way
6. Safety and Aesthetic Lighting
7. Details and materials compatibility with Colman Dock Ferry Terminal

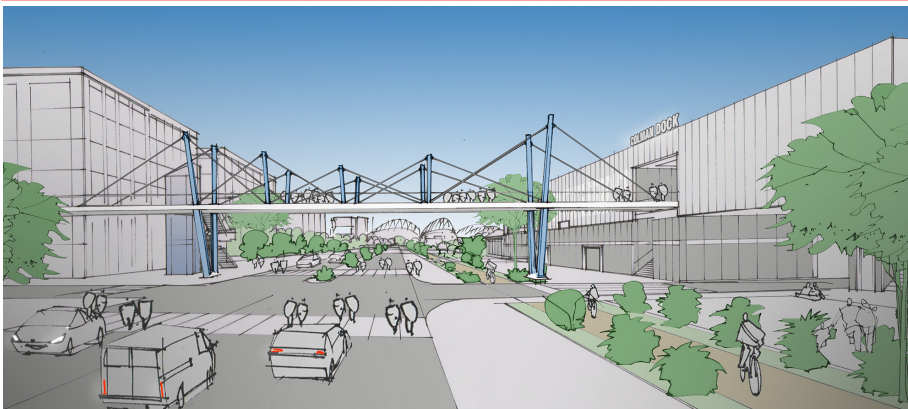
February 2016 Design Options



Option 1
Extradosed CIP Concrete

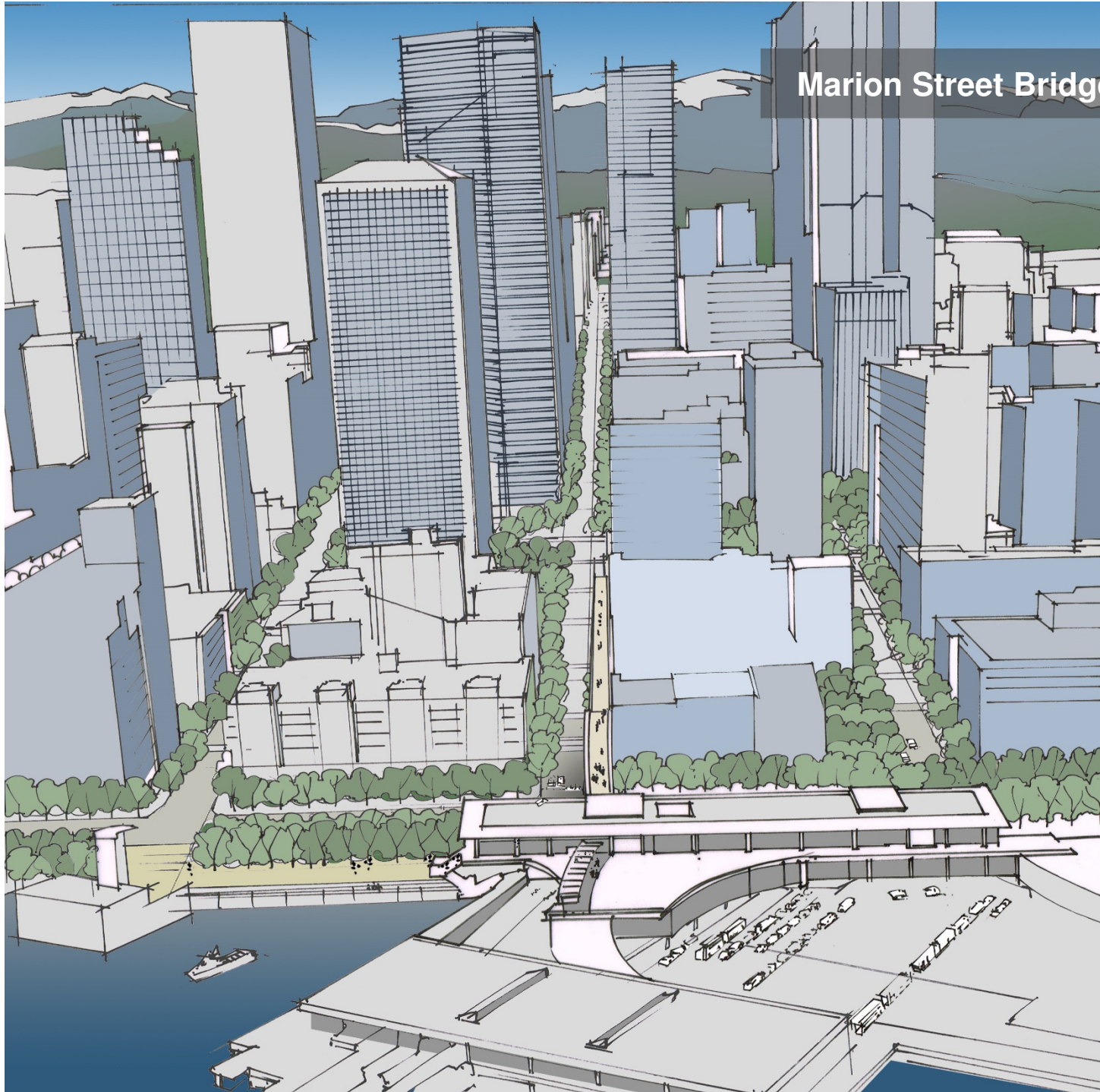


Option 2
CIP Concrete

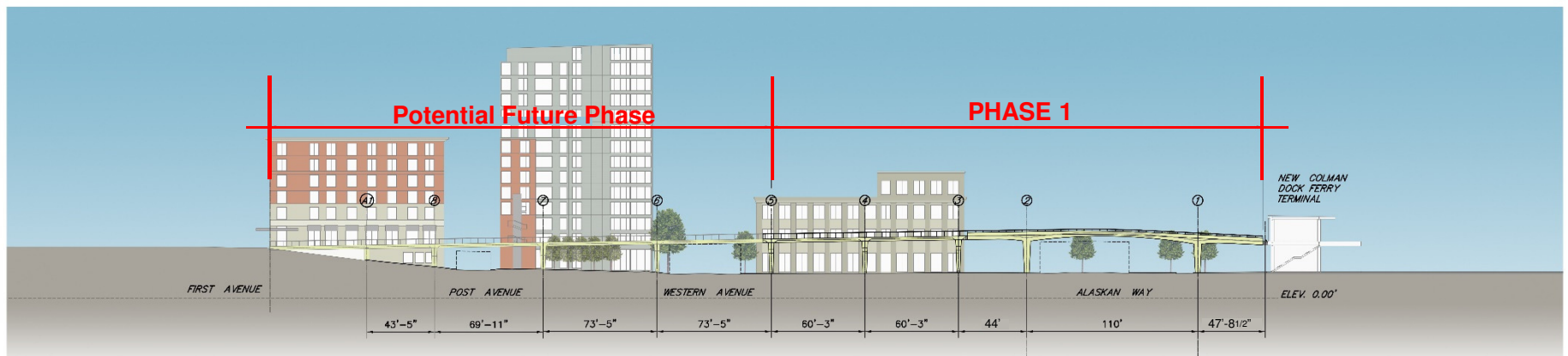
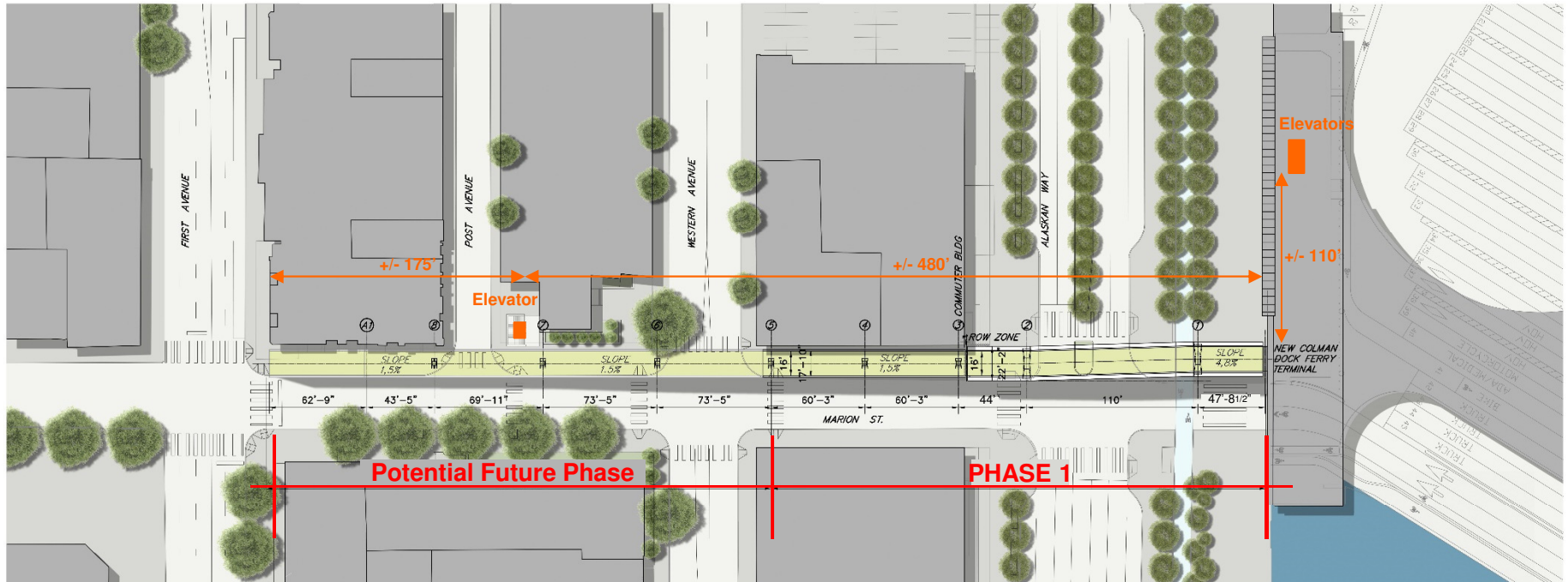


Option 3
Fink Truss Steel

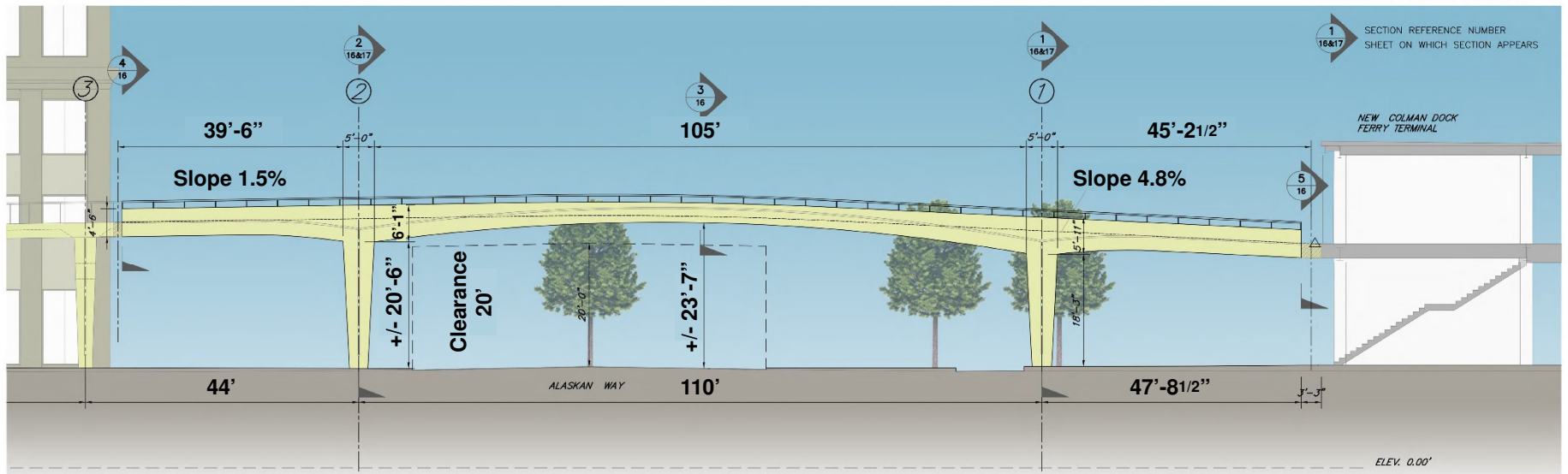
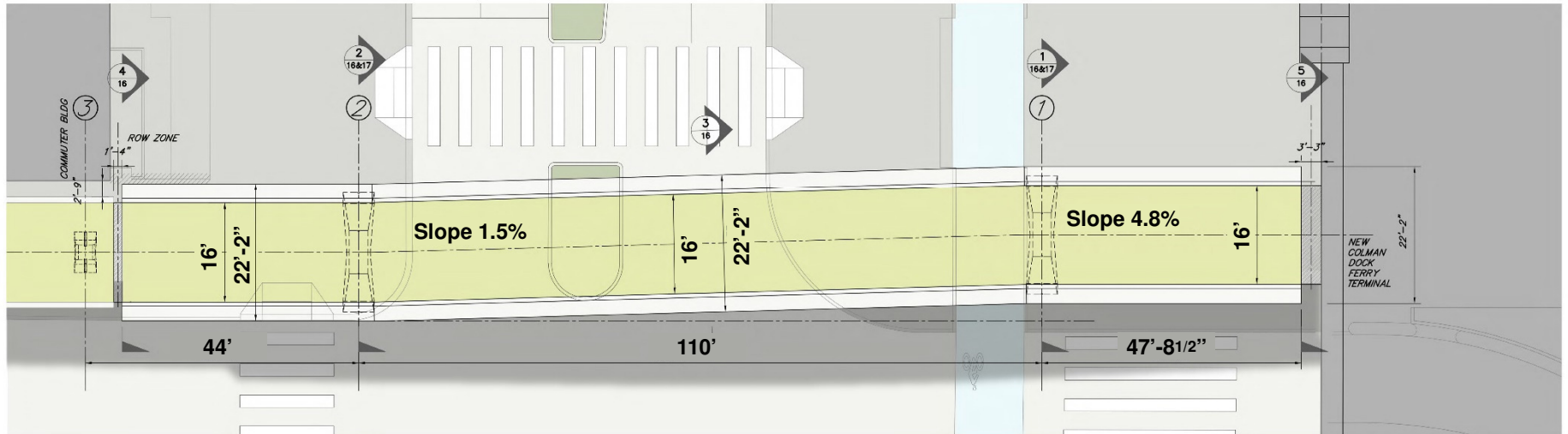
Marion Street Bridge Concept



Marion Street Pedestrian Bridge Replacement Project



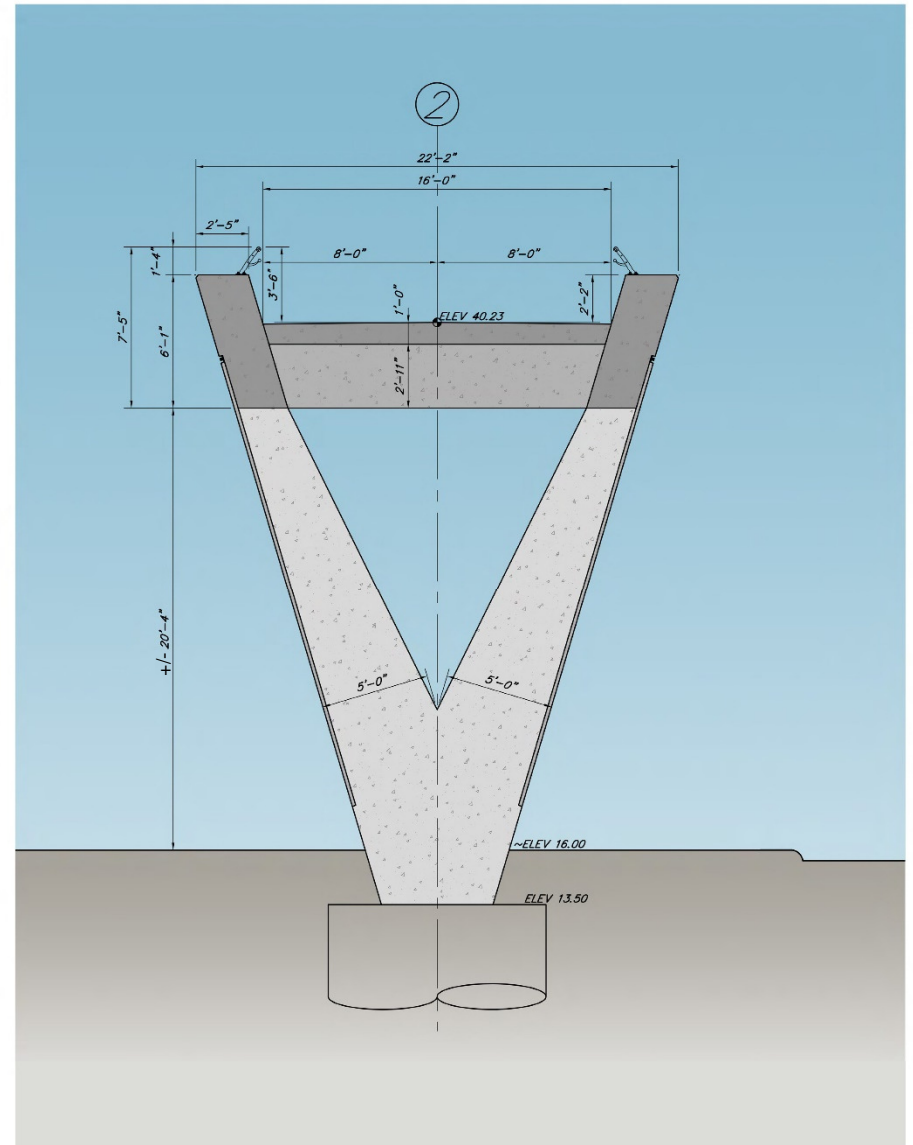
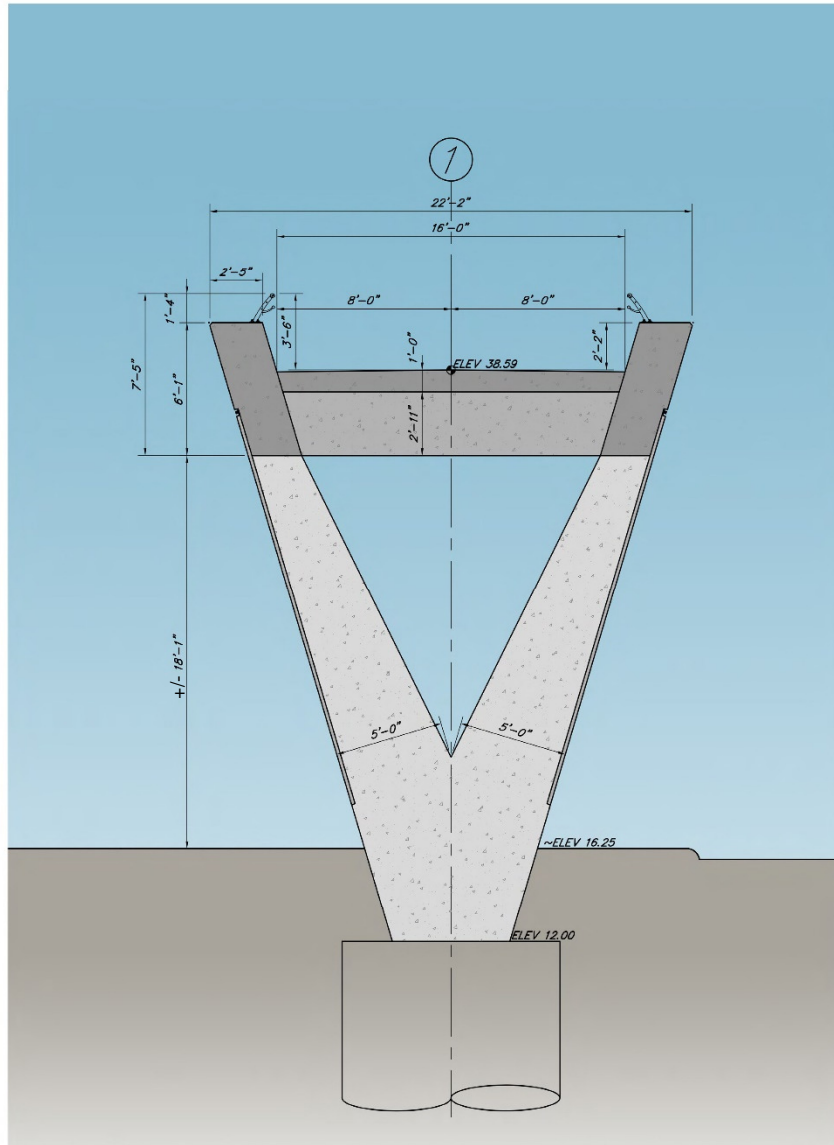
Architectural Plan and Elevation - Main Span



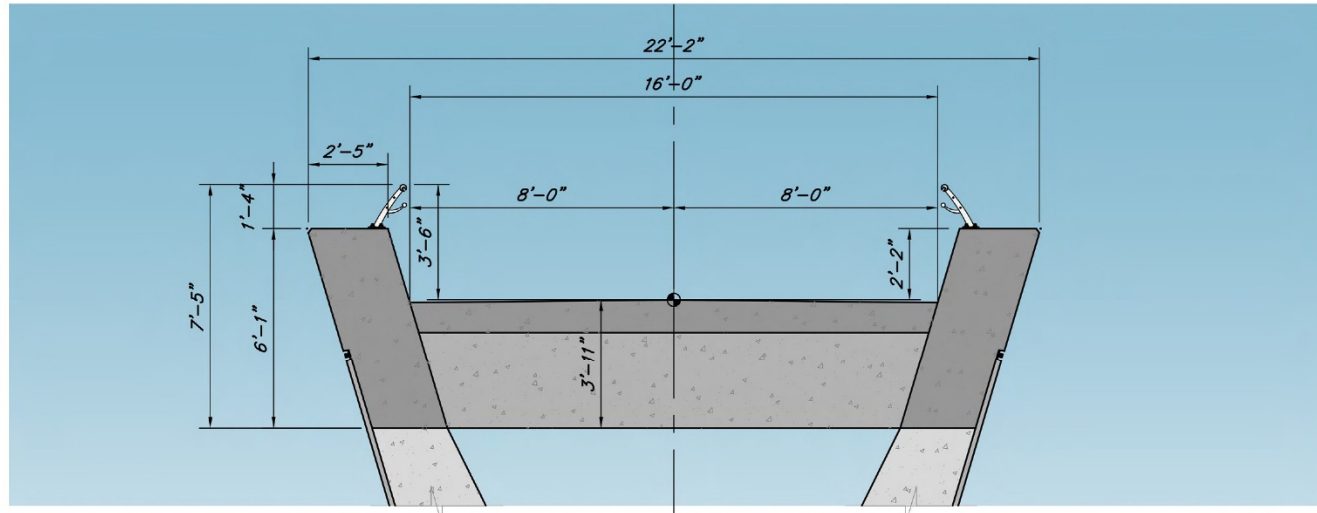
SECTION REFERENCING

SECTION REFERENCE NUMBER
SHEET ON WHICH SECTION APPEARS

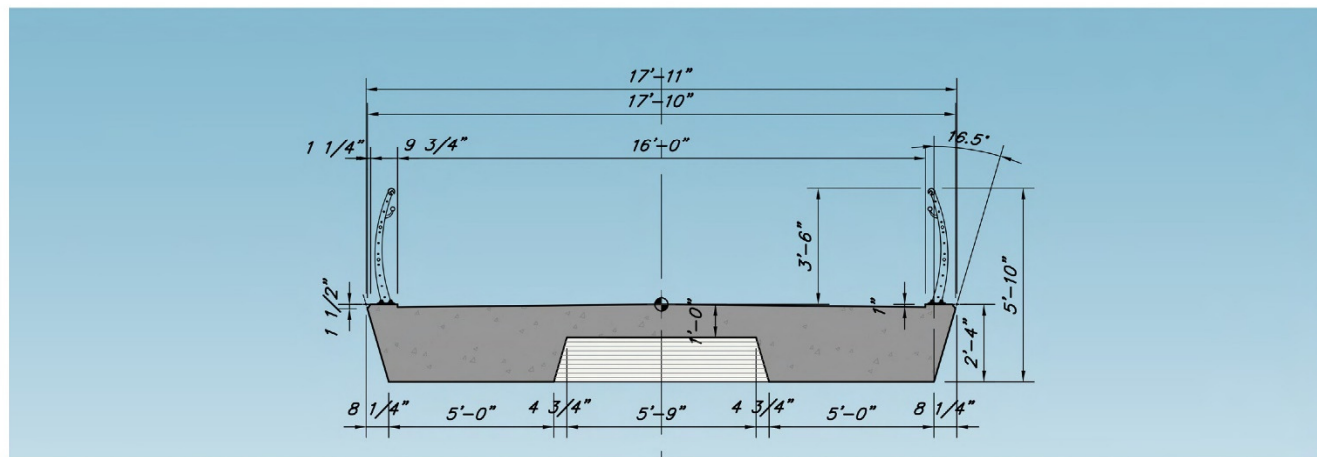
Architectural / Structural Piers - Main Span



Architectural Sections - Main Span and Approach

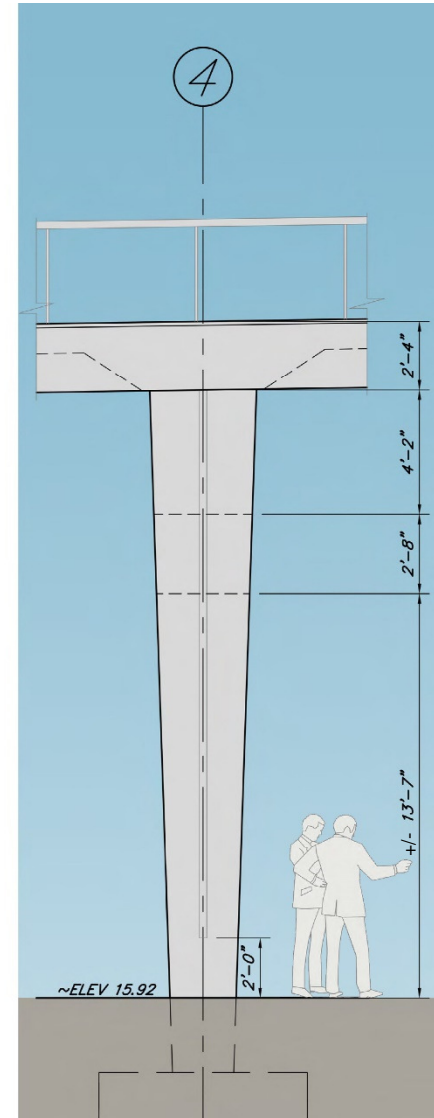
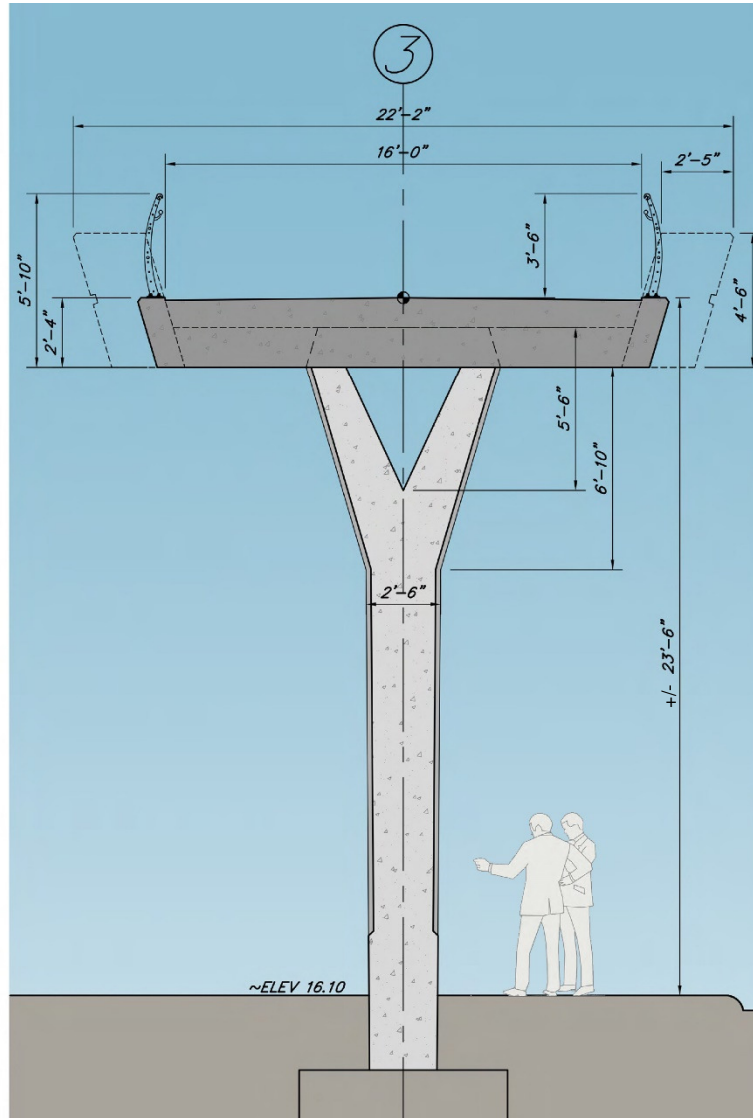


Main Span Section

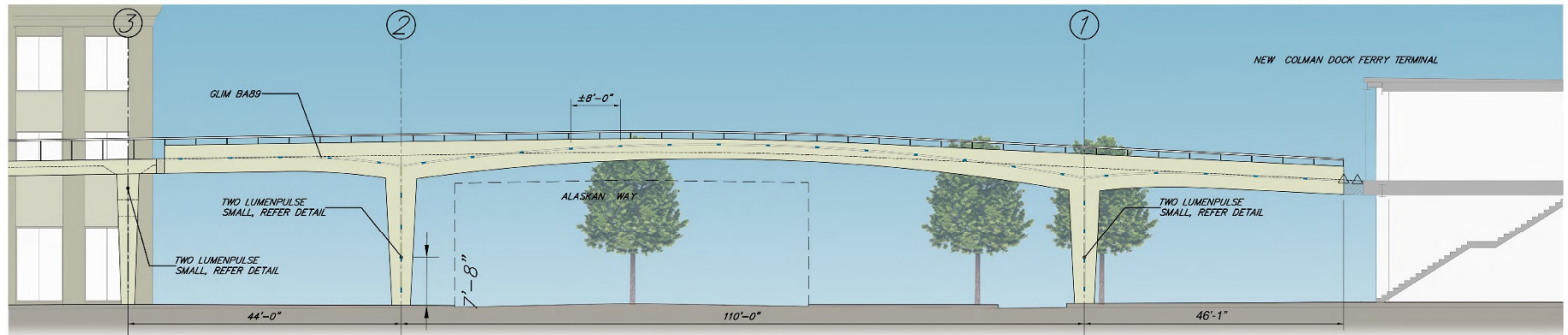


Approach Span Section

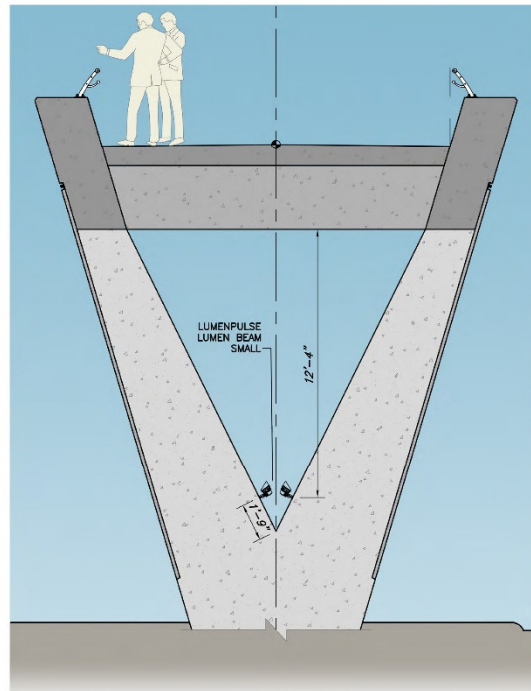
Architectural / Structural Piers - Approach



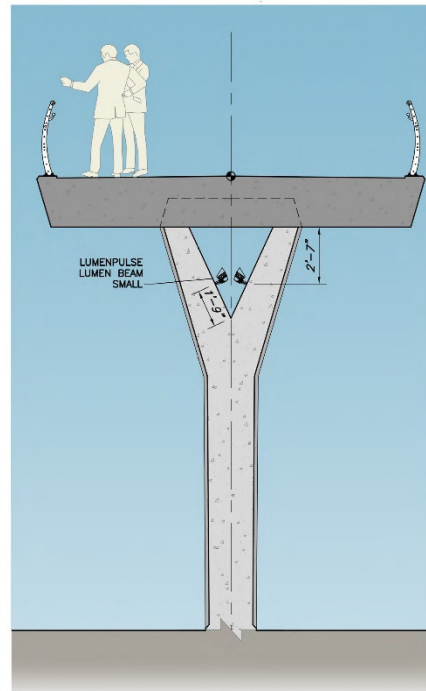
Lighting Details - Main Span and Approach



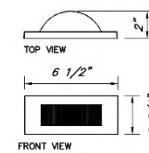
Elevation Lighting - Main Span
SCALE: 1/8" = 1'



Pier Lighting (Typical of two)
SCALE: 3/8" = 1'

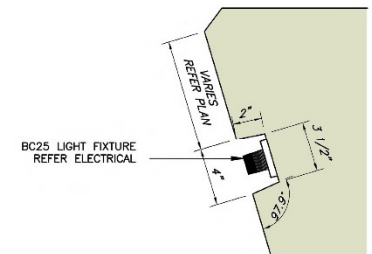


Ramp Pier Lighting (Typical of five)
SCALE: 3/8" = 1'

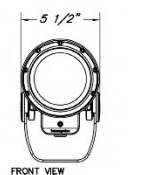
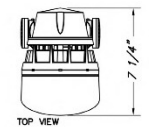


Reveal Light Fixture
SCALE: 3" = 1'

NOTES:
GLIM CUBE BC25
COLOR: RGB LED BLADE OF LIGHT OPTIC
FINISH: GREY
MOUNTING OPTION: WALL/CEILING MOUNTING

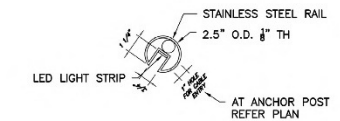
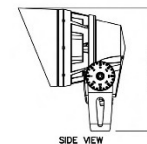


Reveal Lighting
SCALE: 3" = 1'



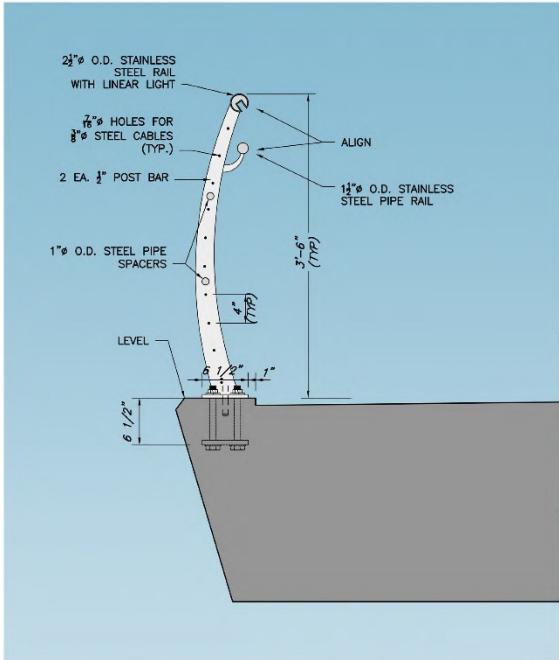
Pier Light Fixture
SCALE: 3" = 1'

NOTES:
LUMENPULSE LUMENBEAM SMALL COLOR CHANGING
COLOR AND COLOR TEMPERATURE: ADDITIVE RGB
OPTICS: VERY NARROW 6"
FINISH: SILVER SANDTEX
OPTICAL ACCESSORY: VSSOR

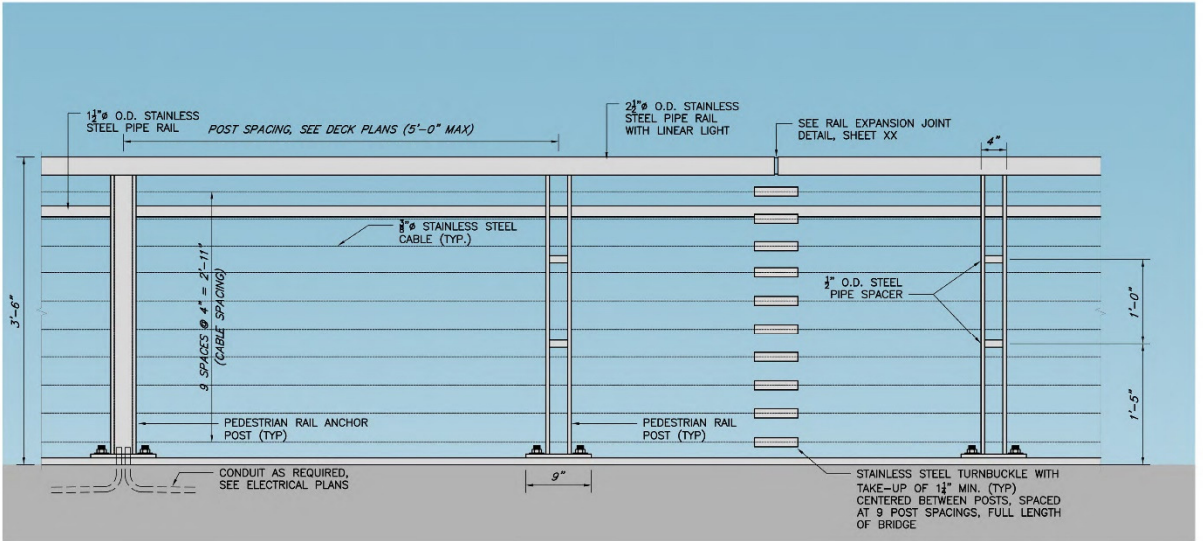


Stainless Steel Rail / Led Light Strip
SCALE: 3" = 1'

Railing Details - Approach Bridge



Pedestrian Rail Typical Post Section

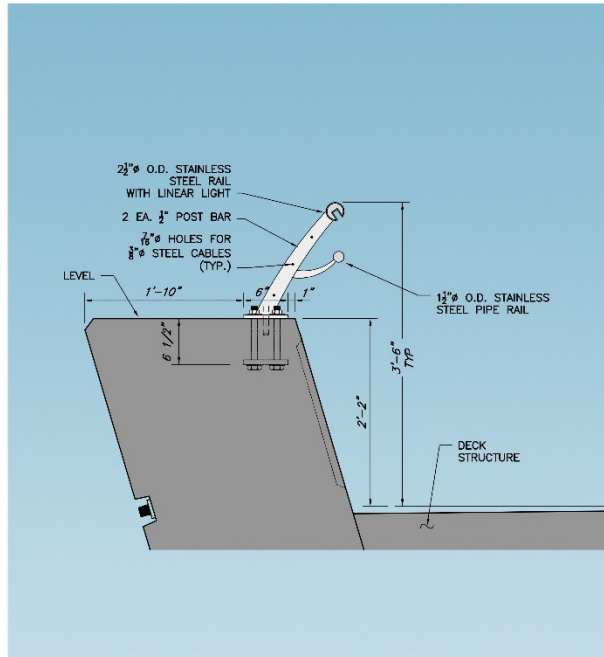


Pedestrian Rail Typical Post Elevation on Approach

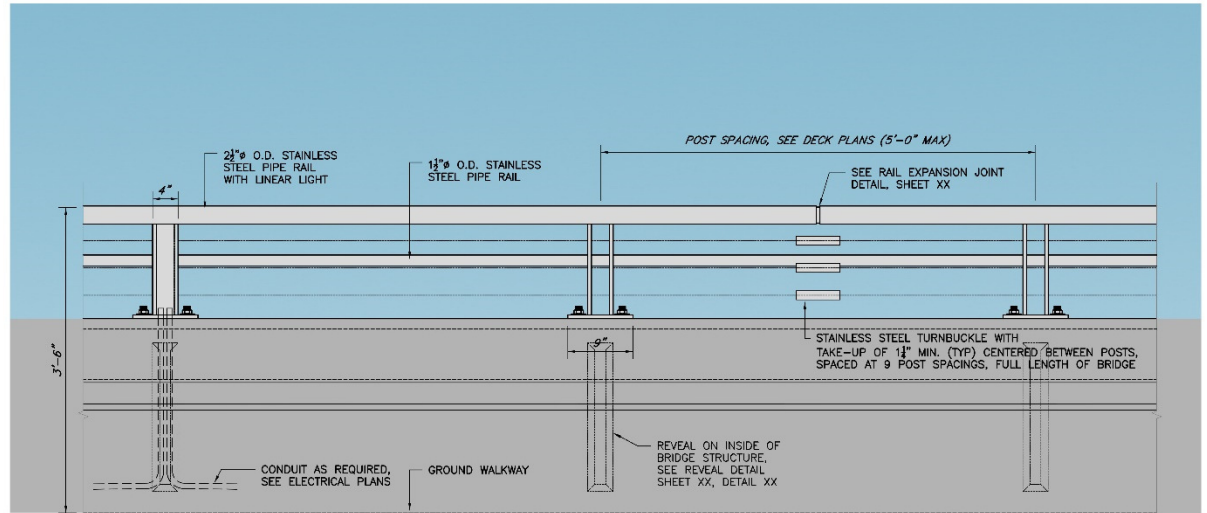
SCALE: 1 - 1/2" = 1'



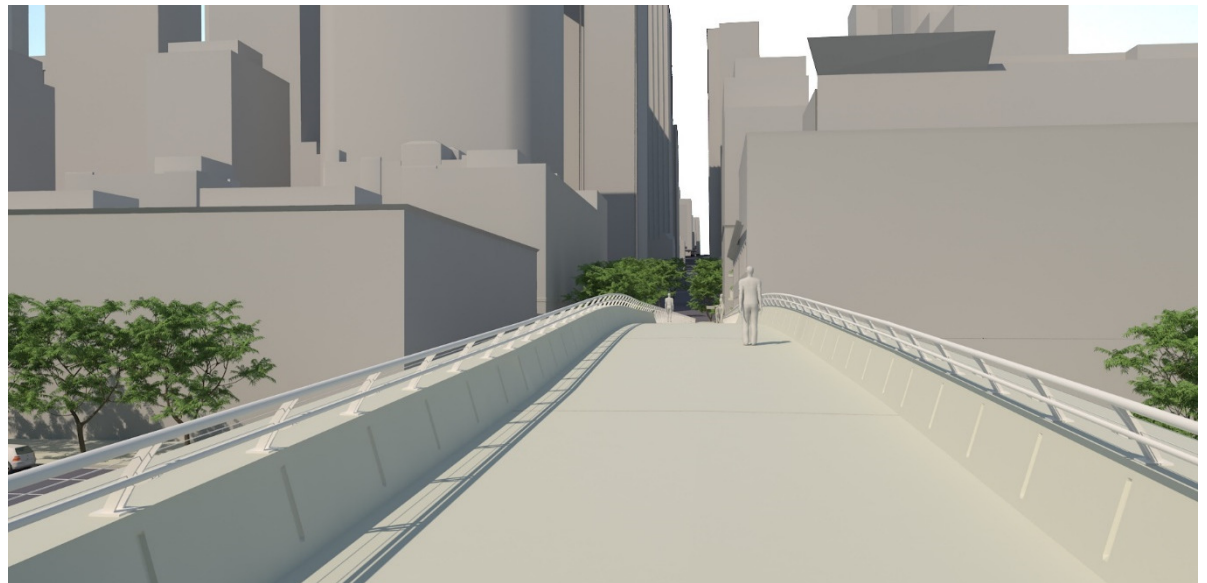
Railing Details - Main Span



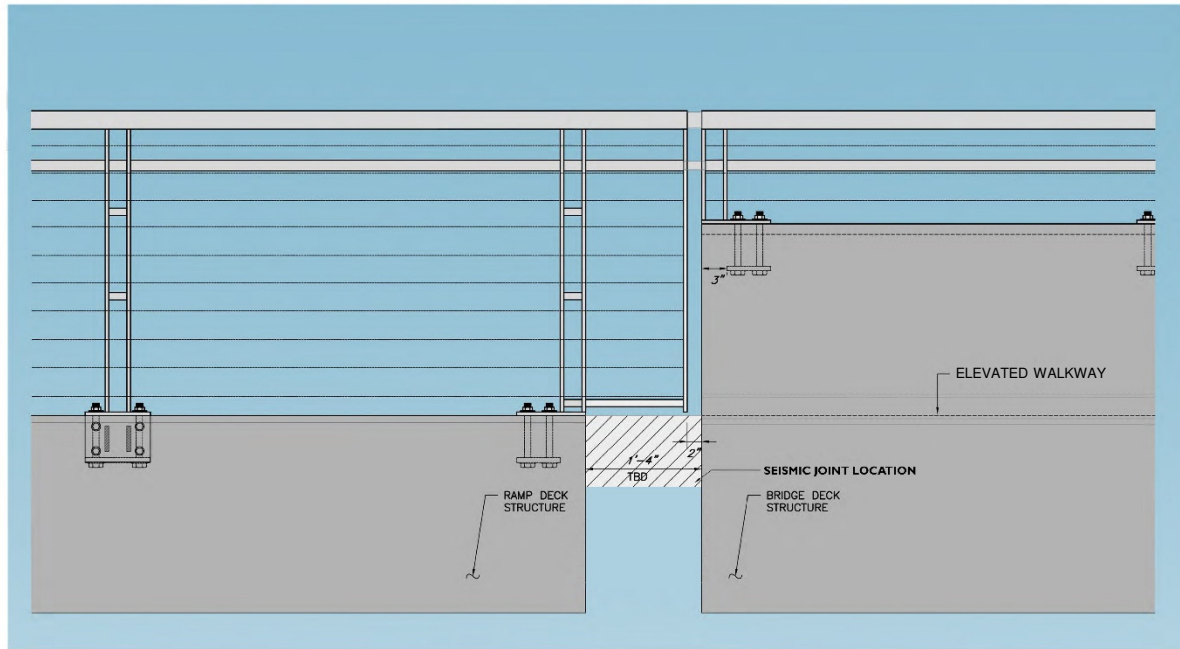
Pedestrian Rail Typical Post Section on Bridge



Pedestrian Rail Typical Post Elevation on Bridge
SCALE: 1 - 1/2" = 1'

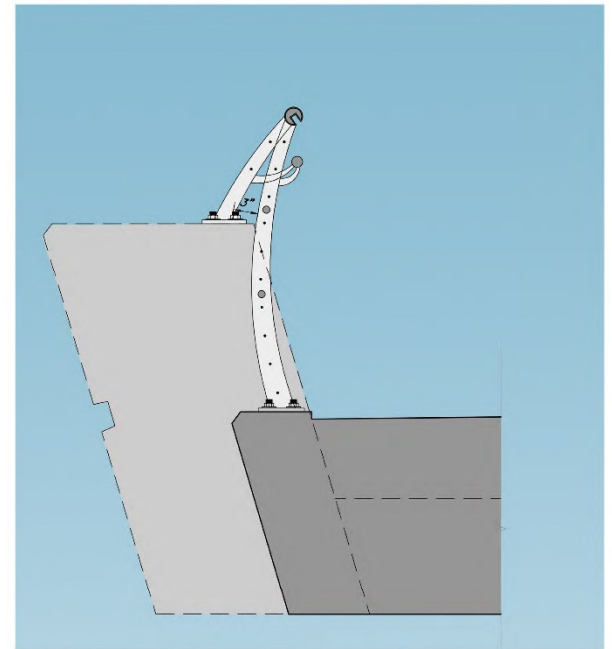


Railing Details - Approach Bridge Side



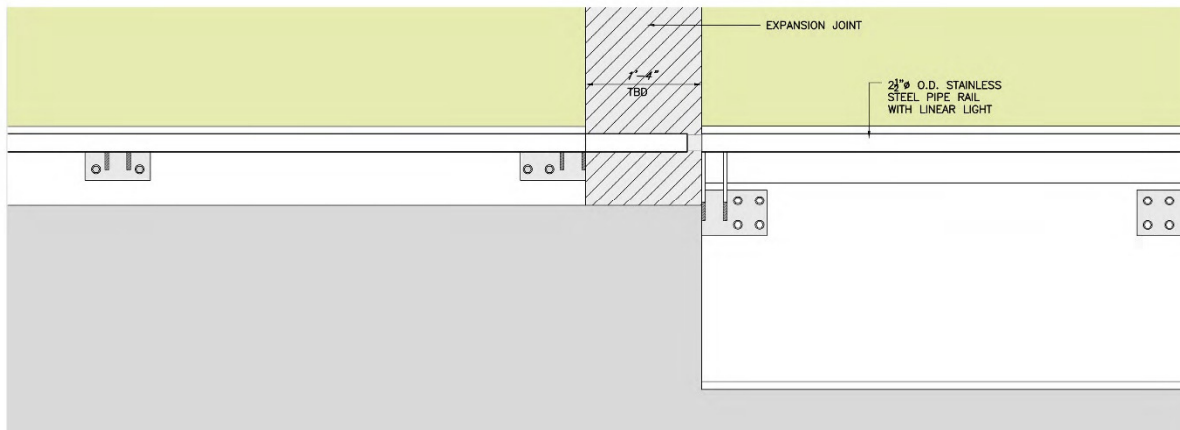
Railing Elevation at Ramp Expansion Joint

SCALE: 1 - 1/2" = 1'



Railing Detail at Ramp Expansion Joint

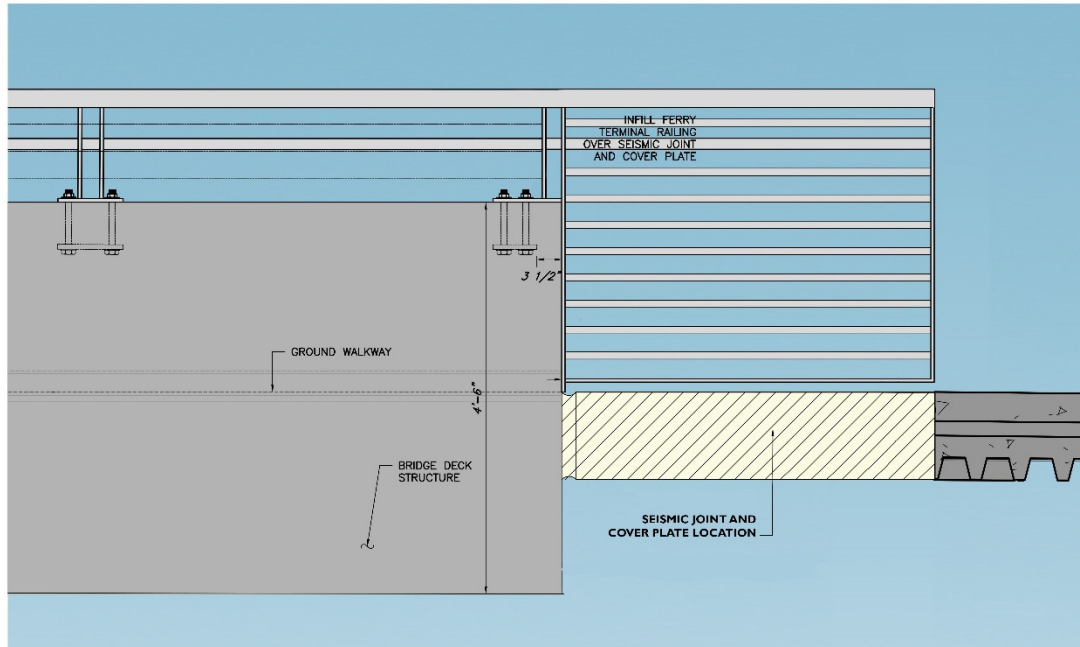
SCALE: 1 - 1/2" = 1'



Railing Plan at Ramp Expansion Joint

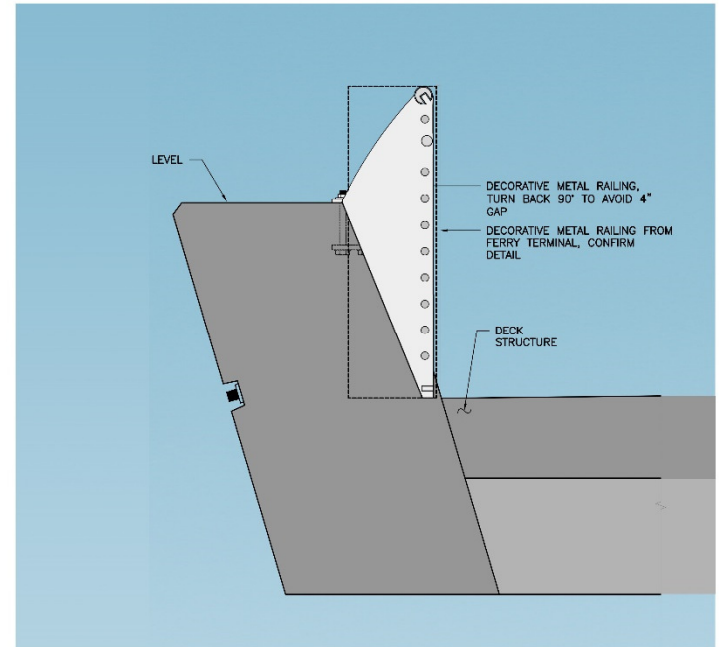
SCALE: 1 - 1/2" = 1'

Railing Details - Ferry Terminal Side



Railing Elevation at Ferry Expansion Joint

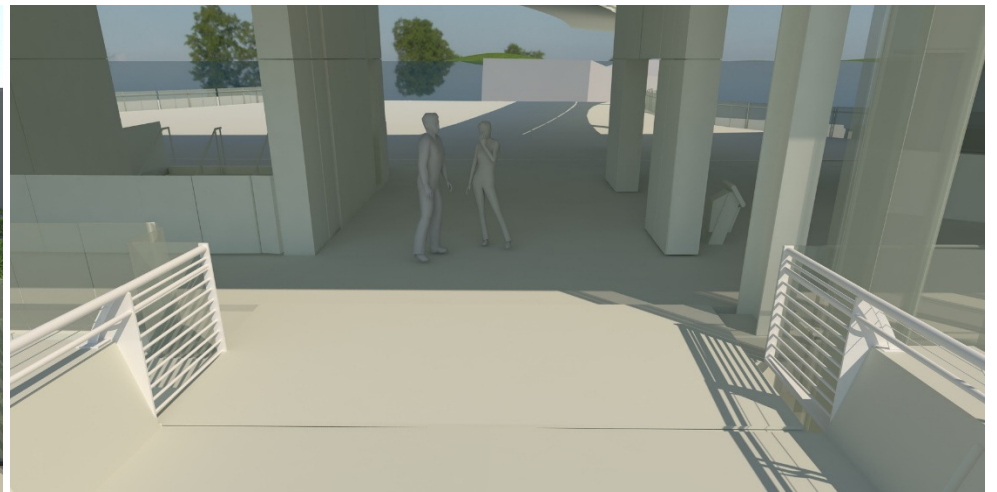
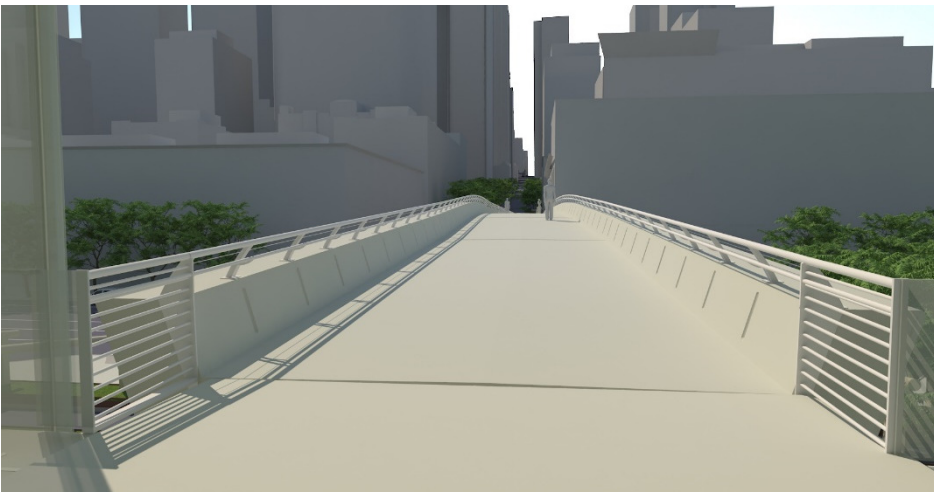
SCALE: 1 - 1/2" = 1'



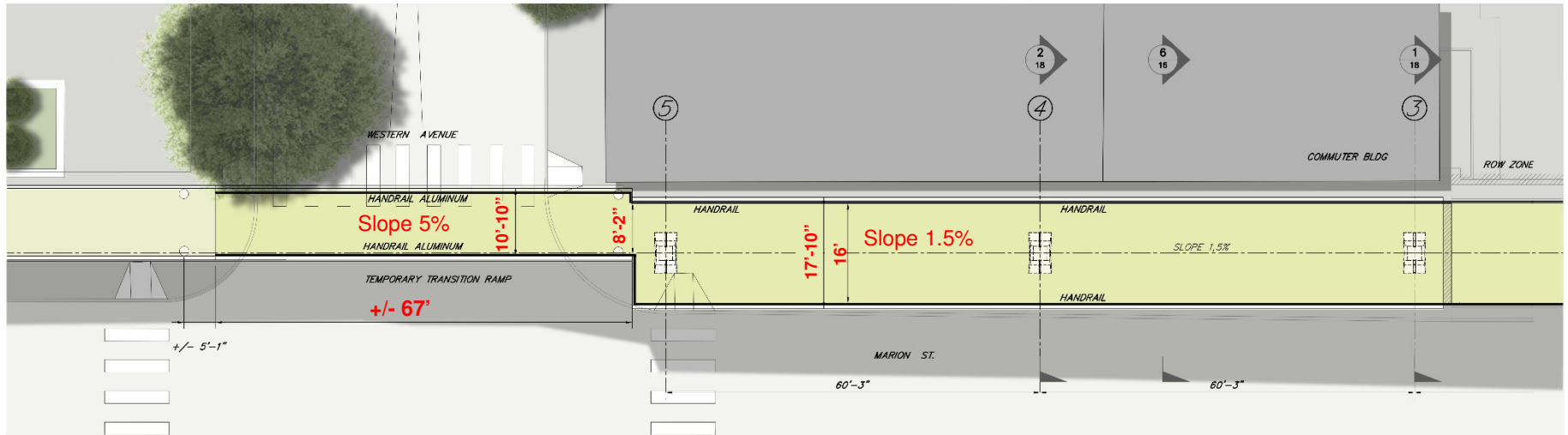
Railing Detail at Ferry Expansion Joint

SCALE: 1 - 1/2" = 1'

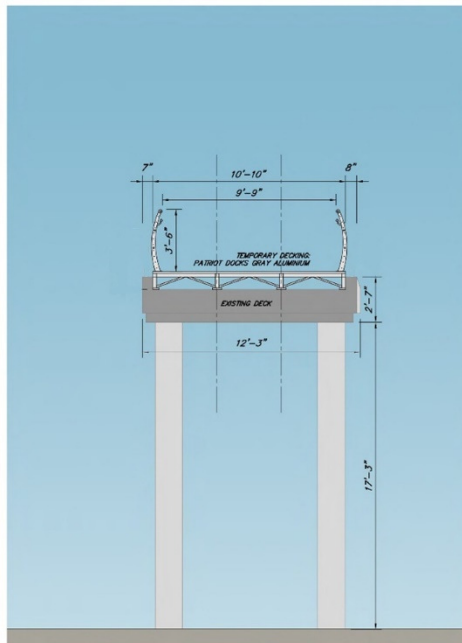
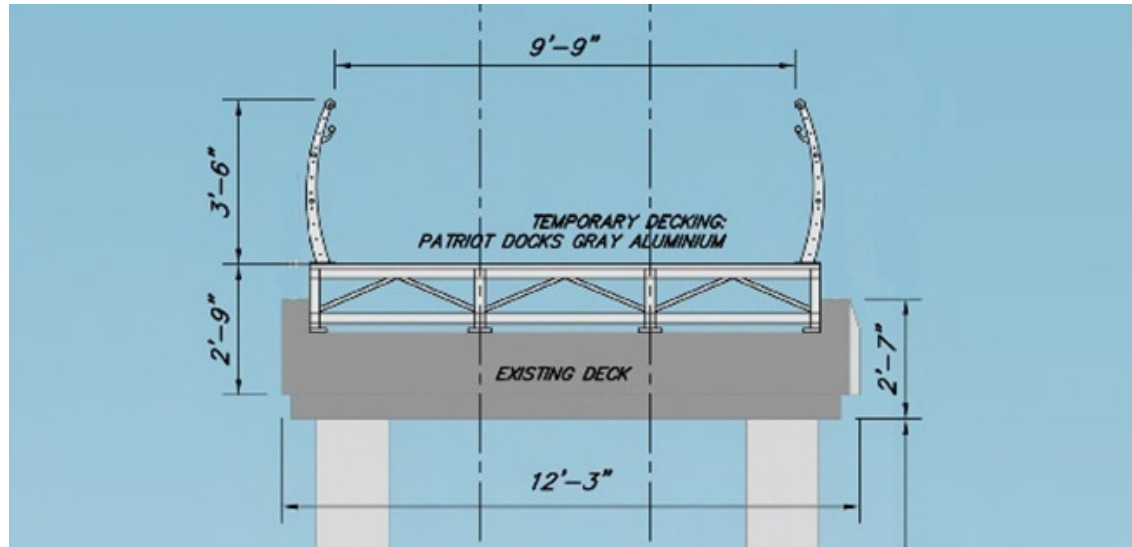
Railing Details - Ferry Terminal Side



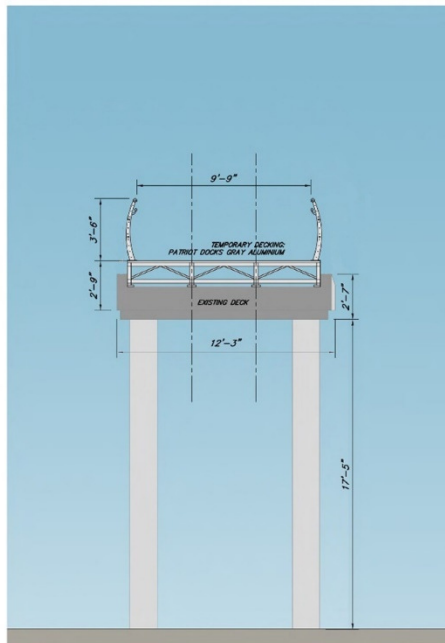
Temporary Transition Ramp – Plan and Elevation



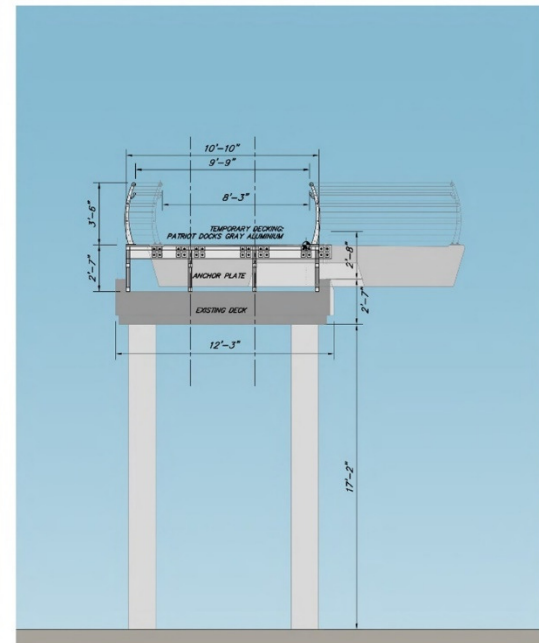
Architectural Section – Temporary Transition



Transition Ramp Section A - A

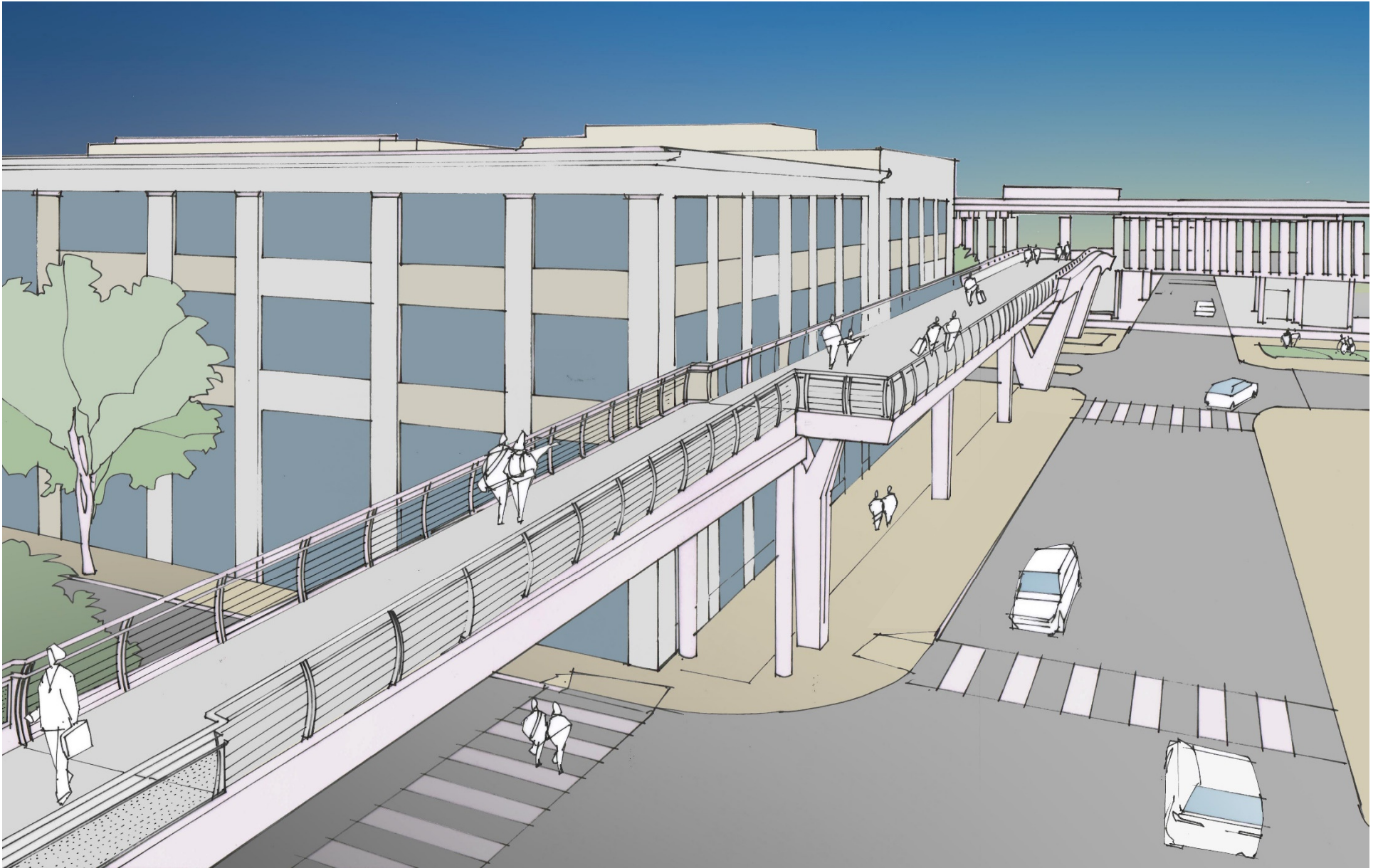


Transition Ramp Section B - B

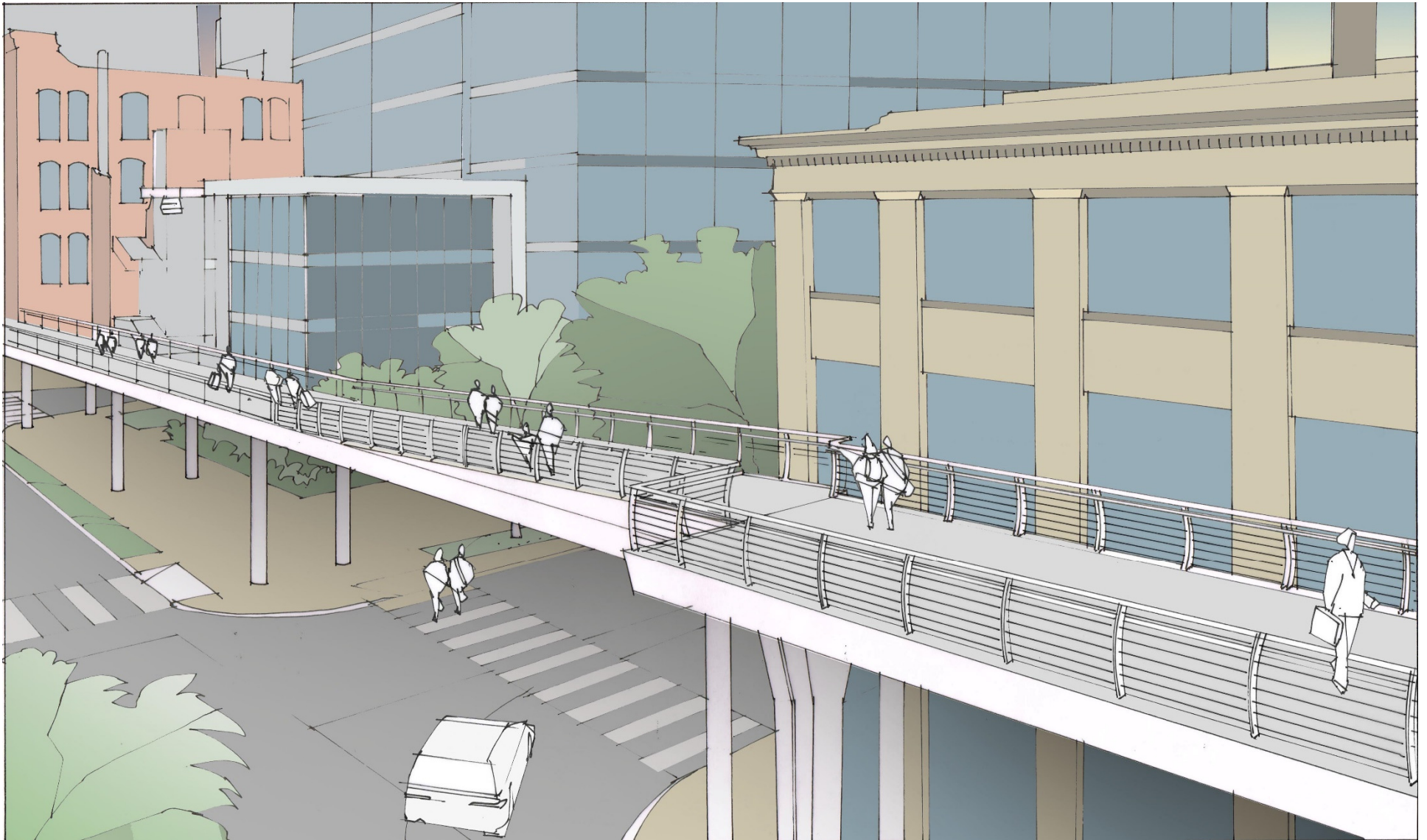


Transition Ramp Section C - C

Temporary Transition Ramp



Temporary Transition Ramp



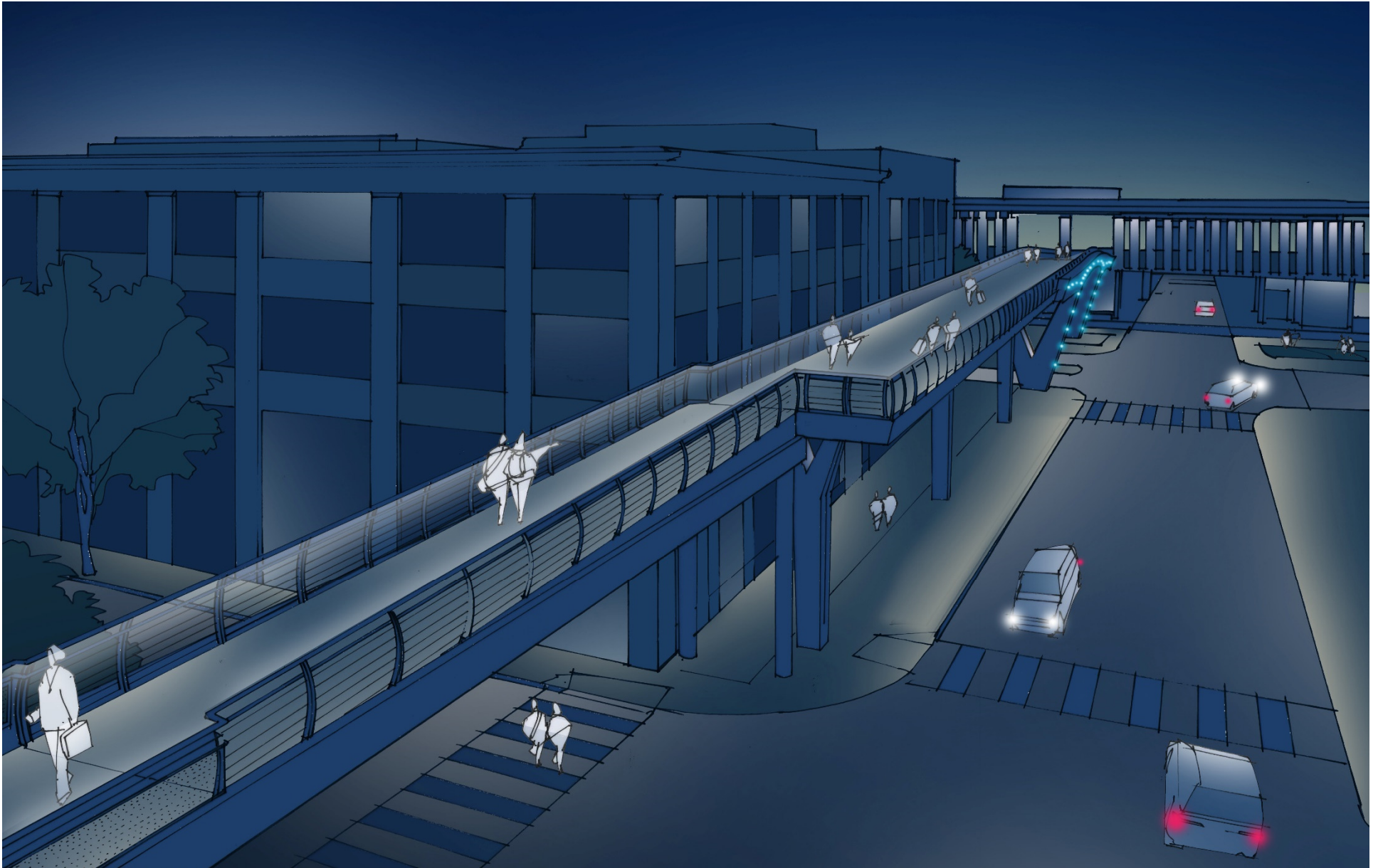
Temporary Transition Ramp



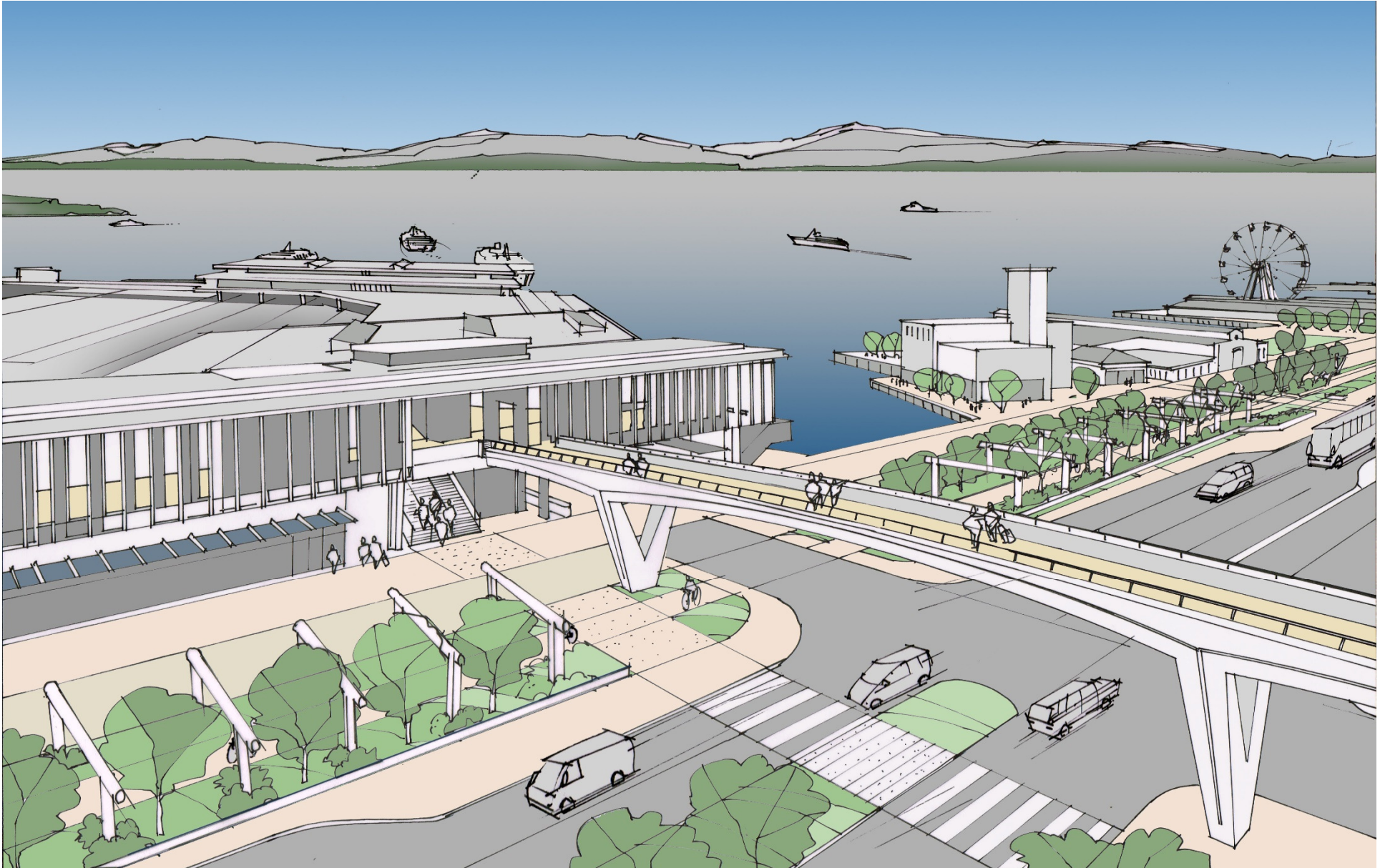
Temporary Transition Ramp

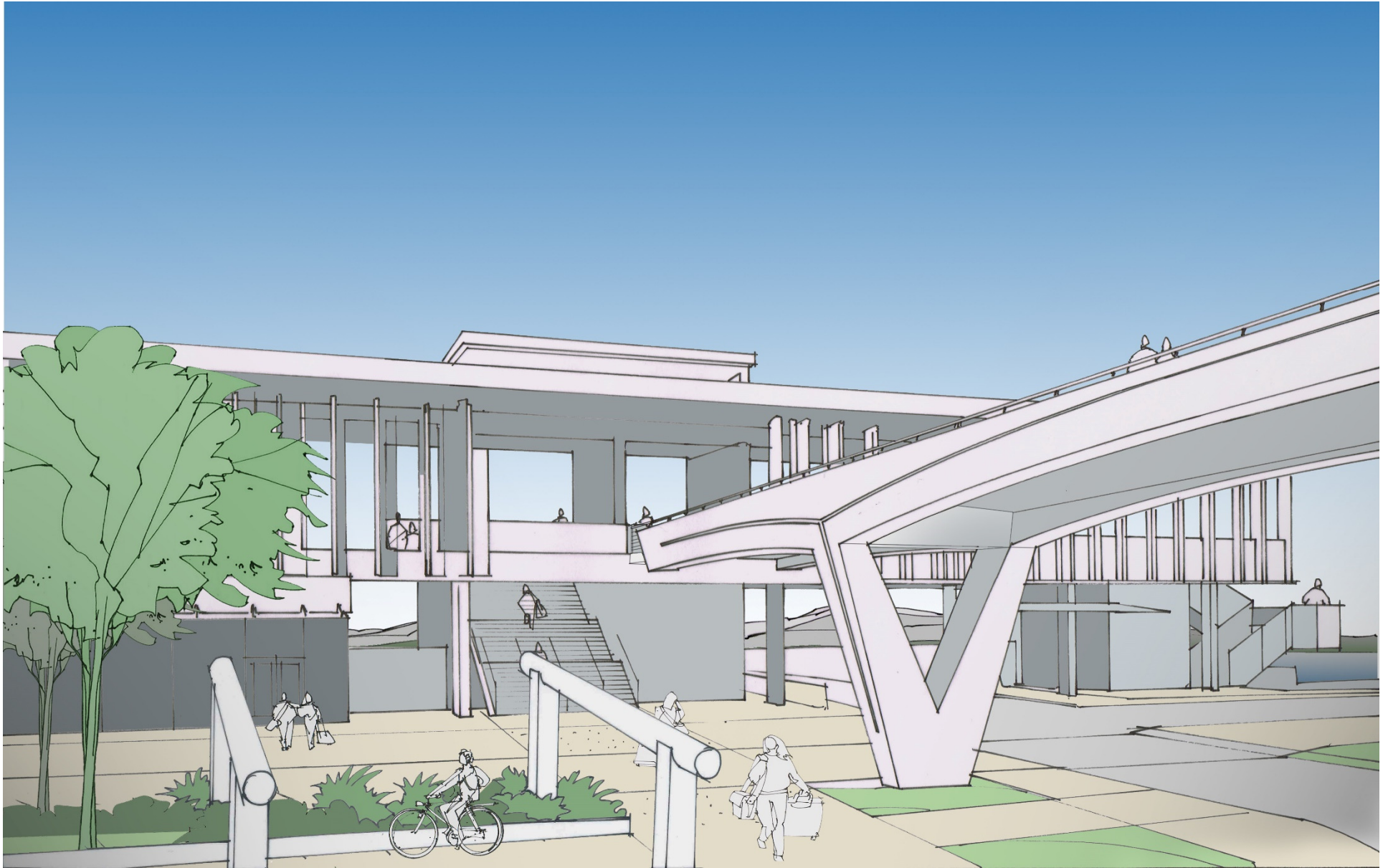


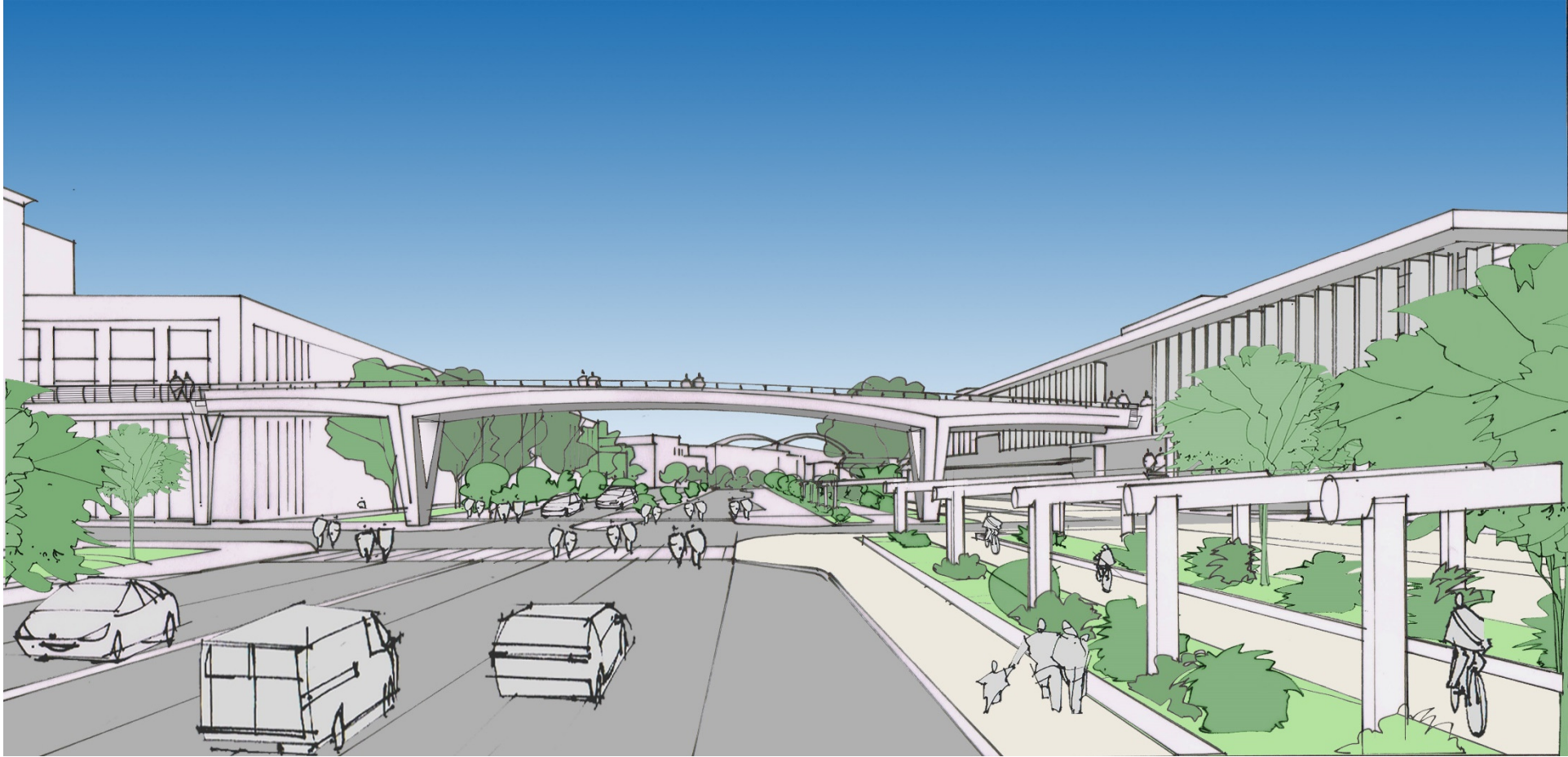
Temporary Transition Ramp

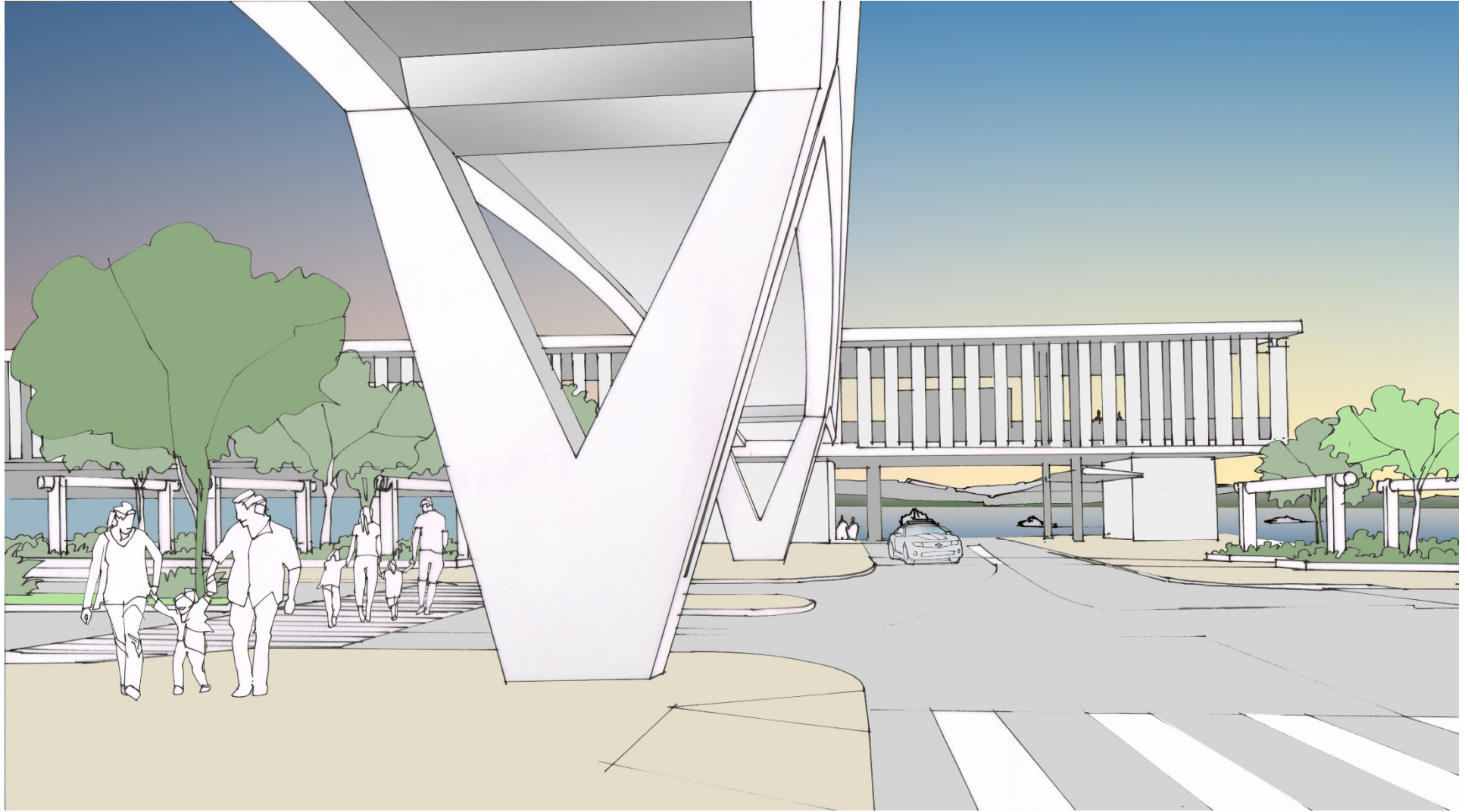


Marion Street Pedestrian Bridge

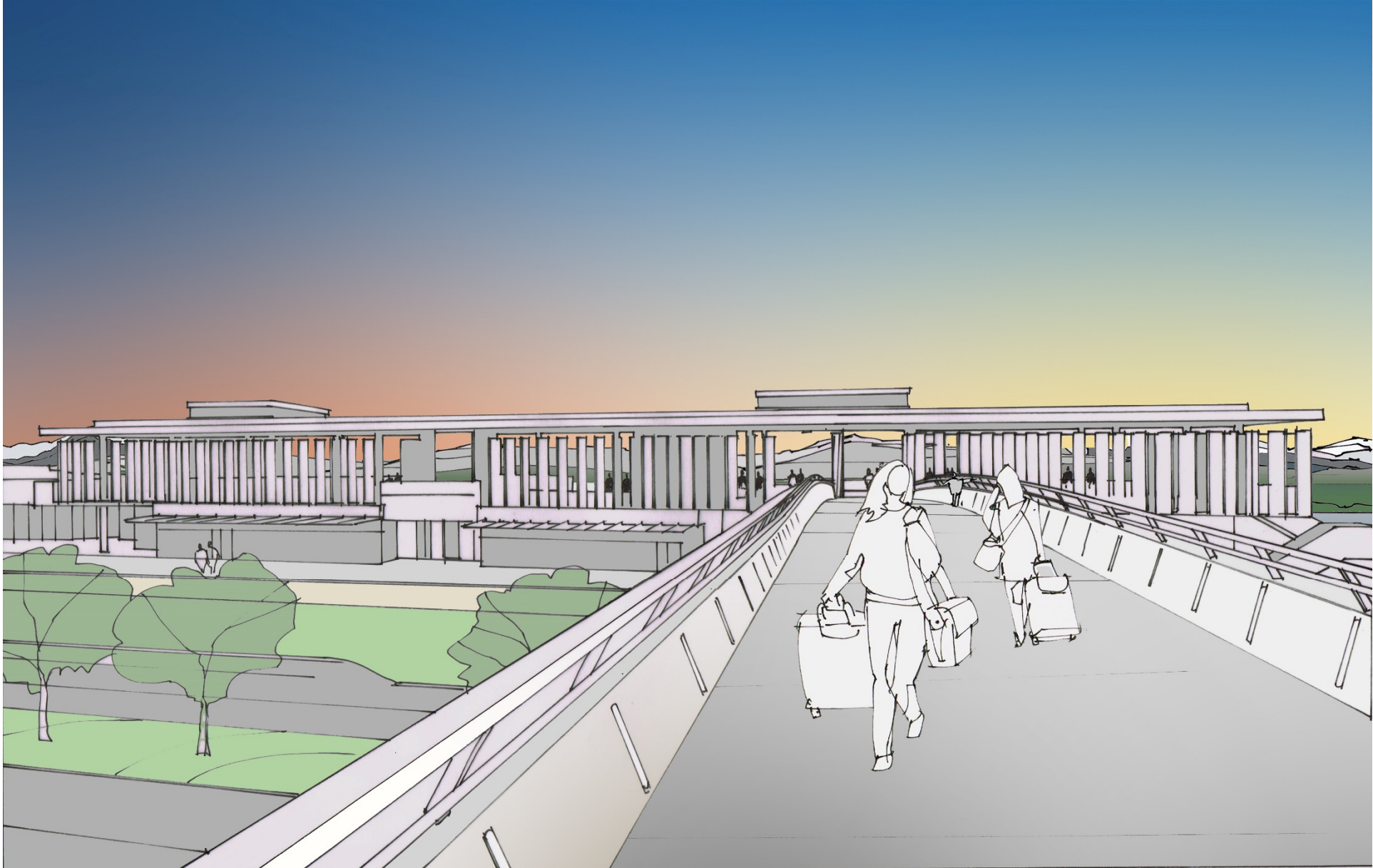


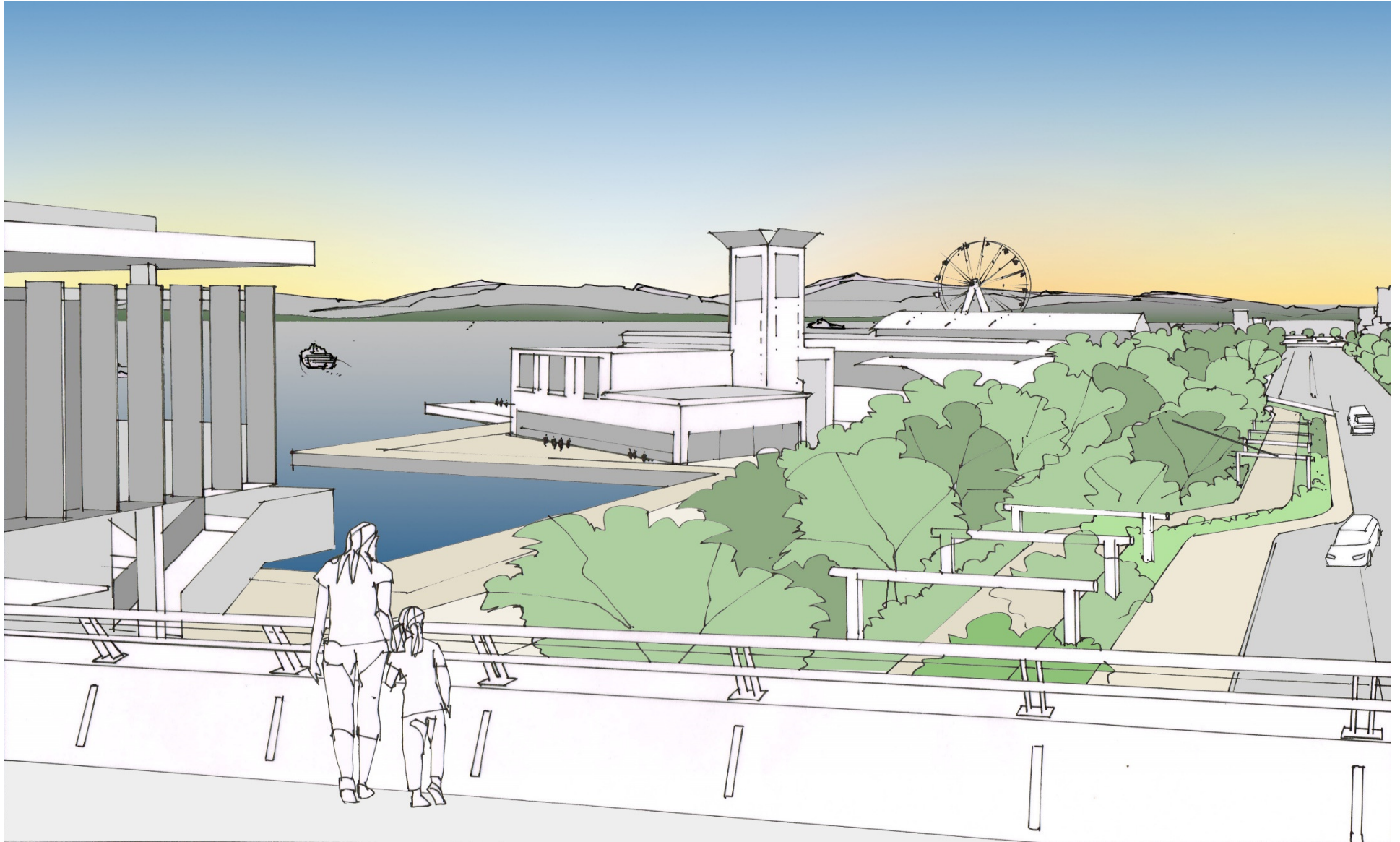


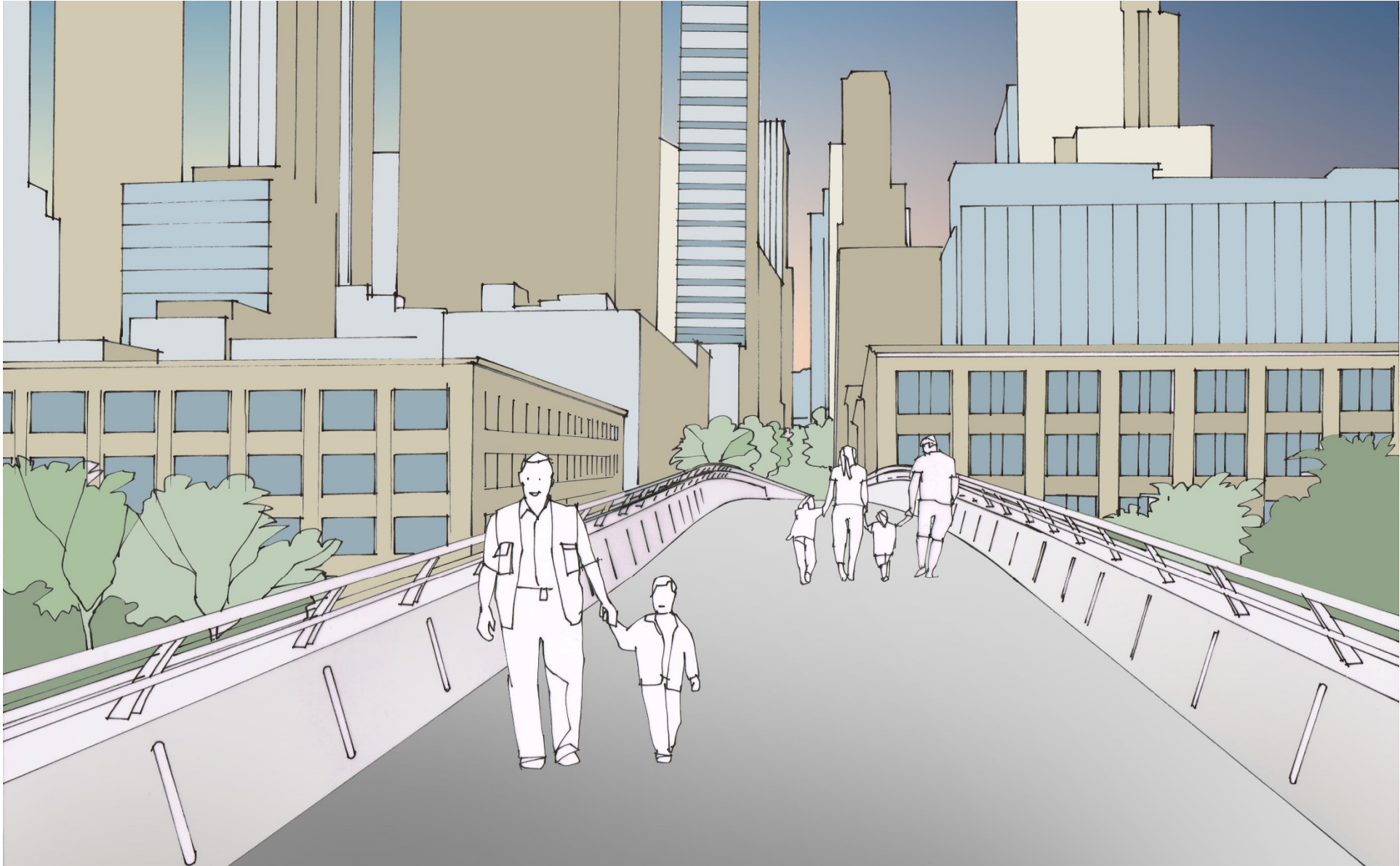




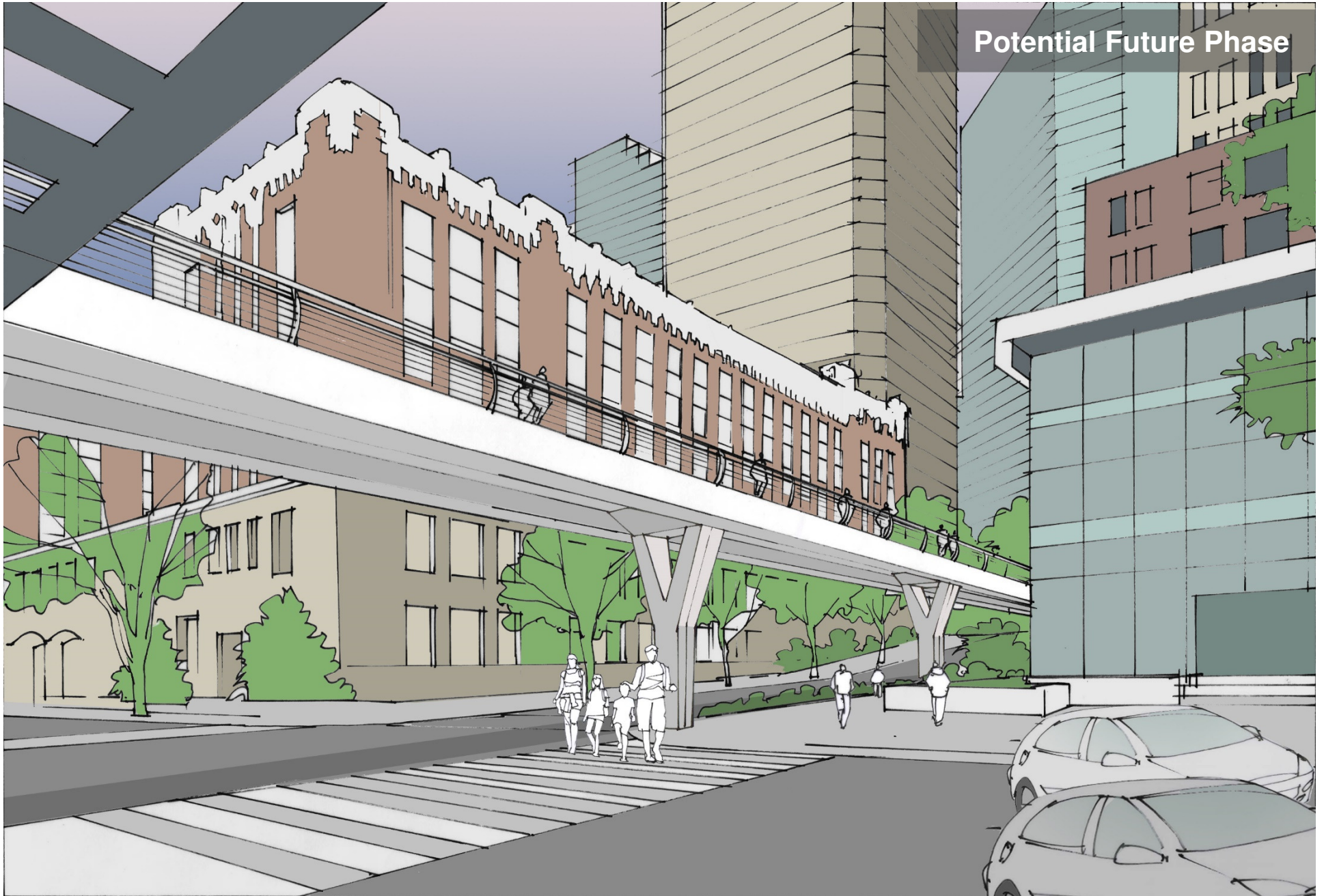




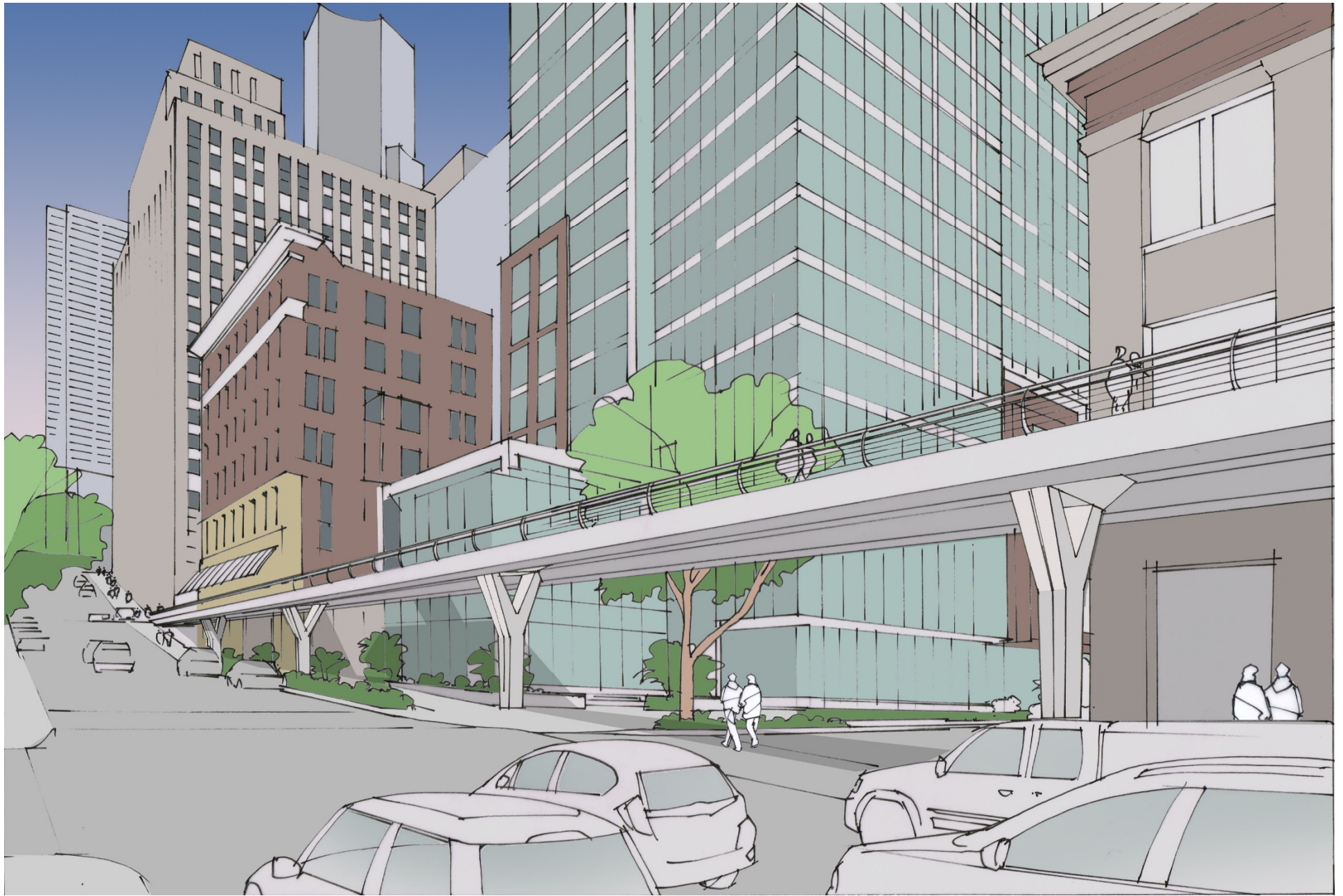


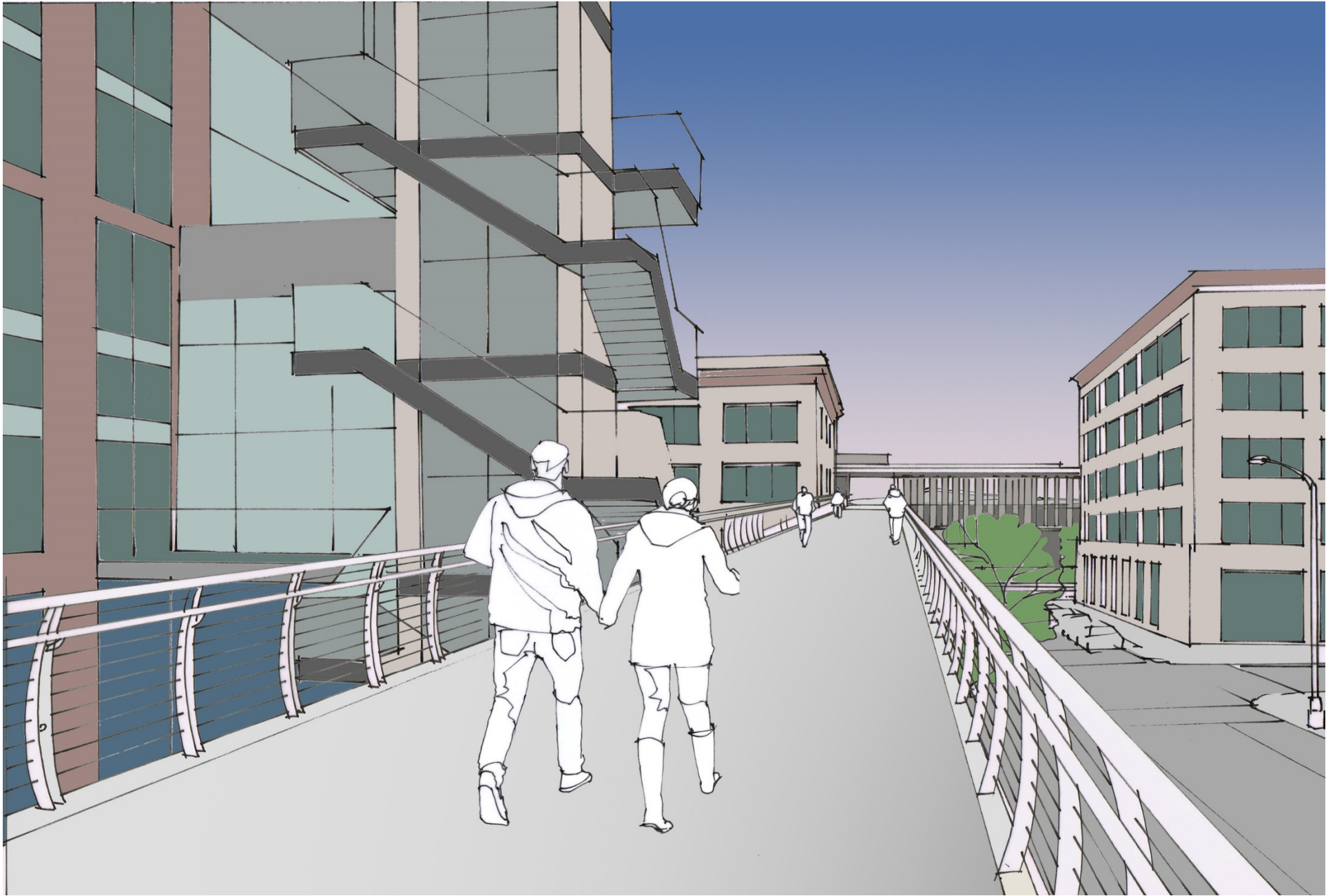


Potential Future Phase

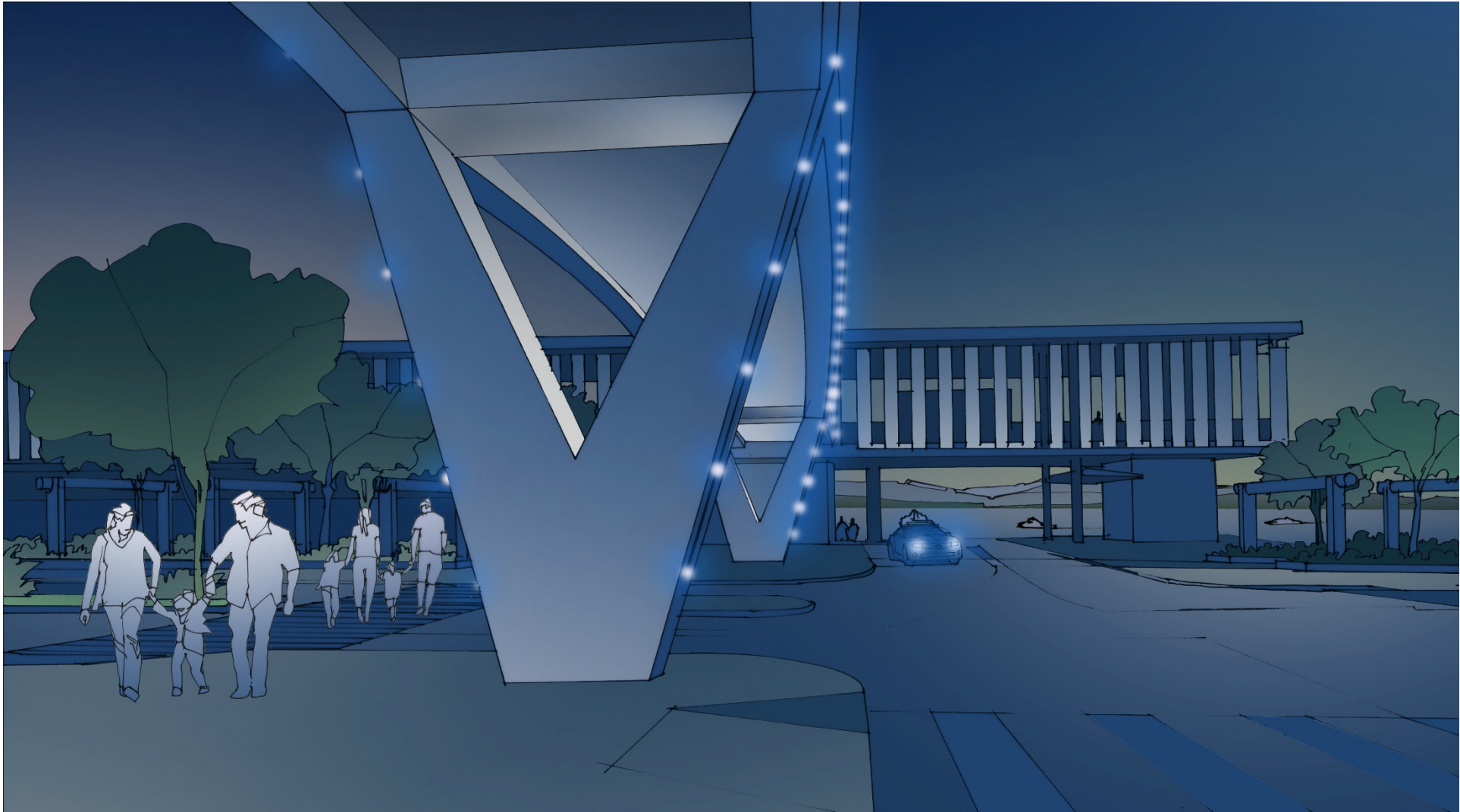


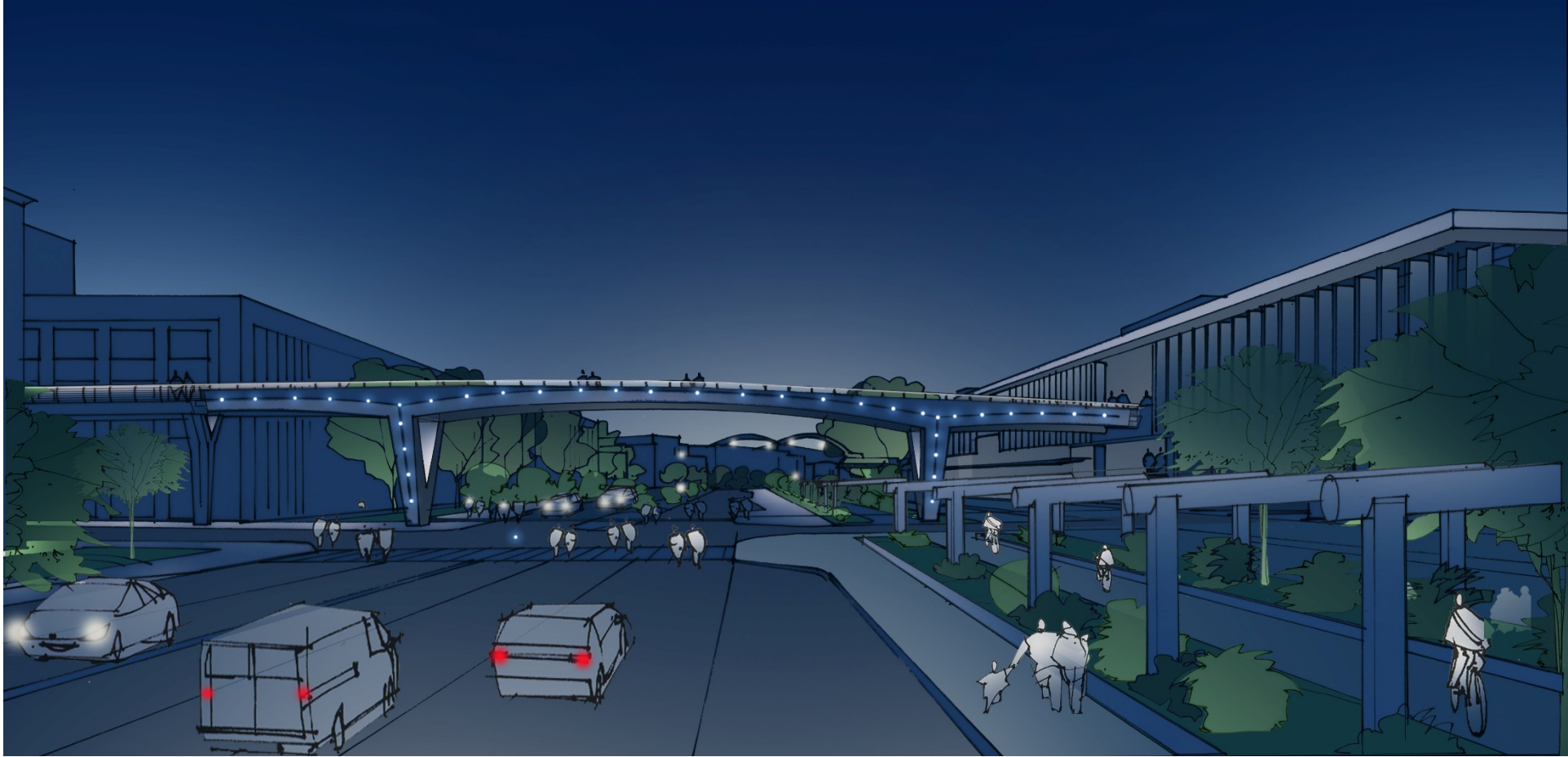


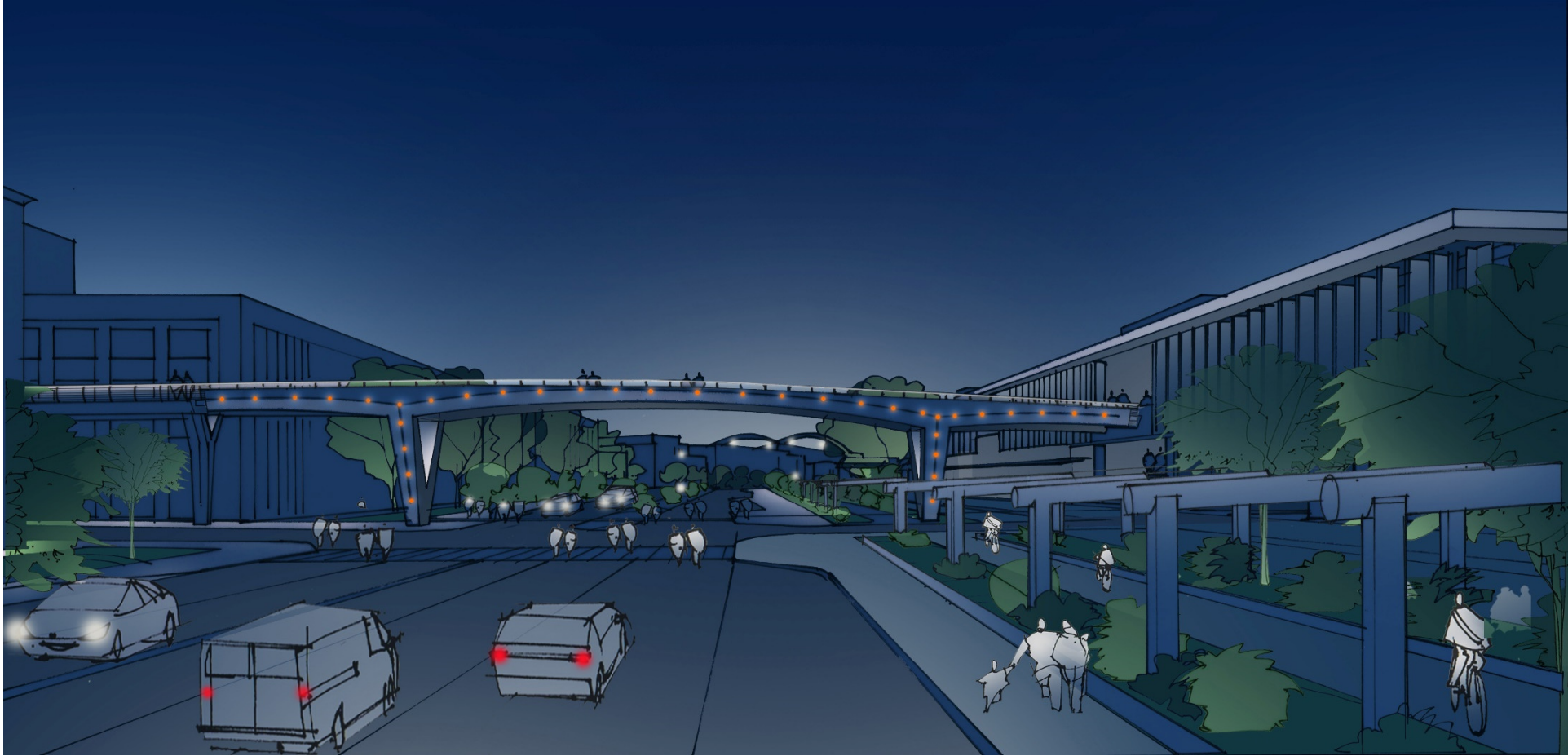


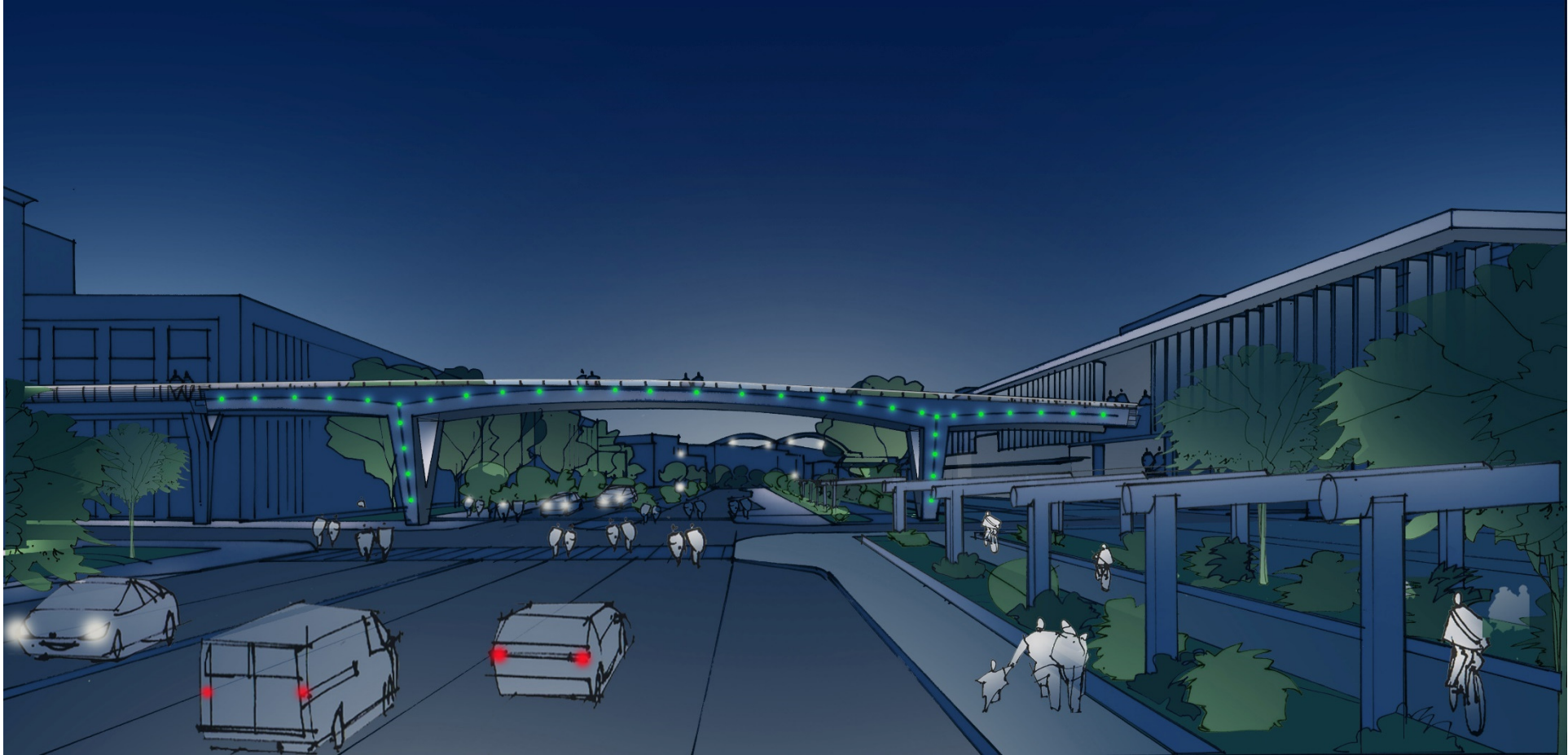




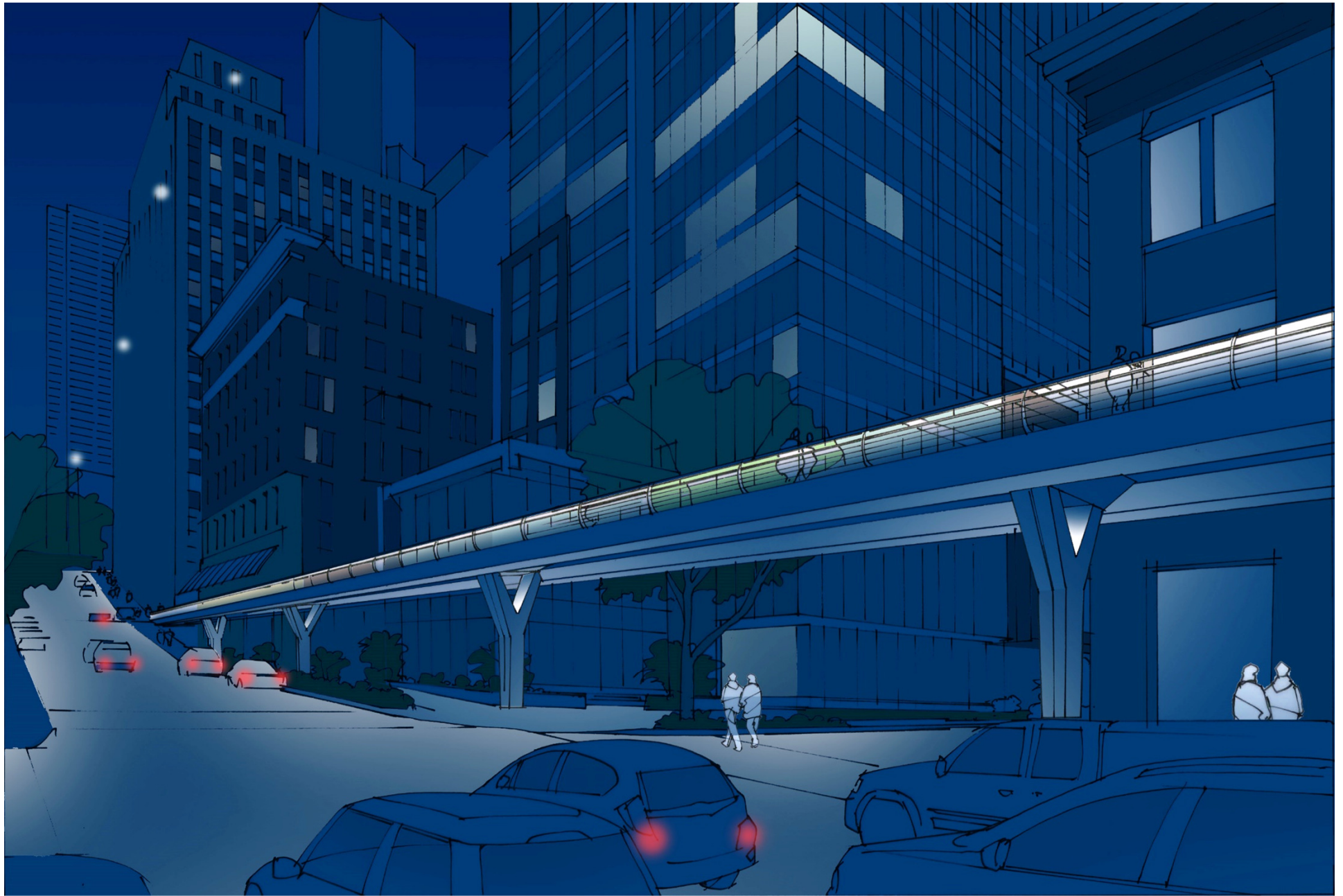


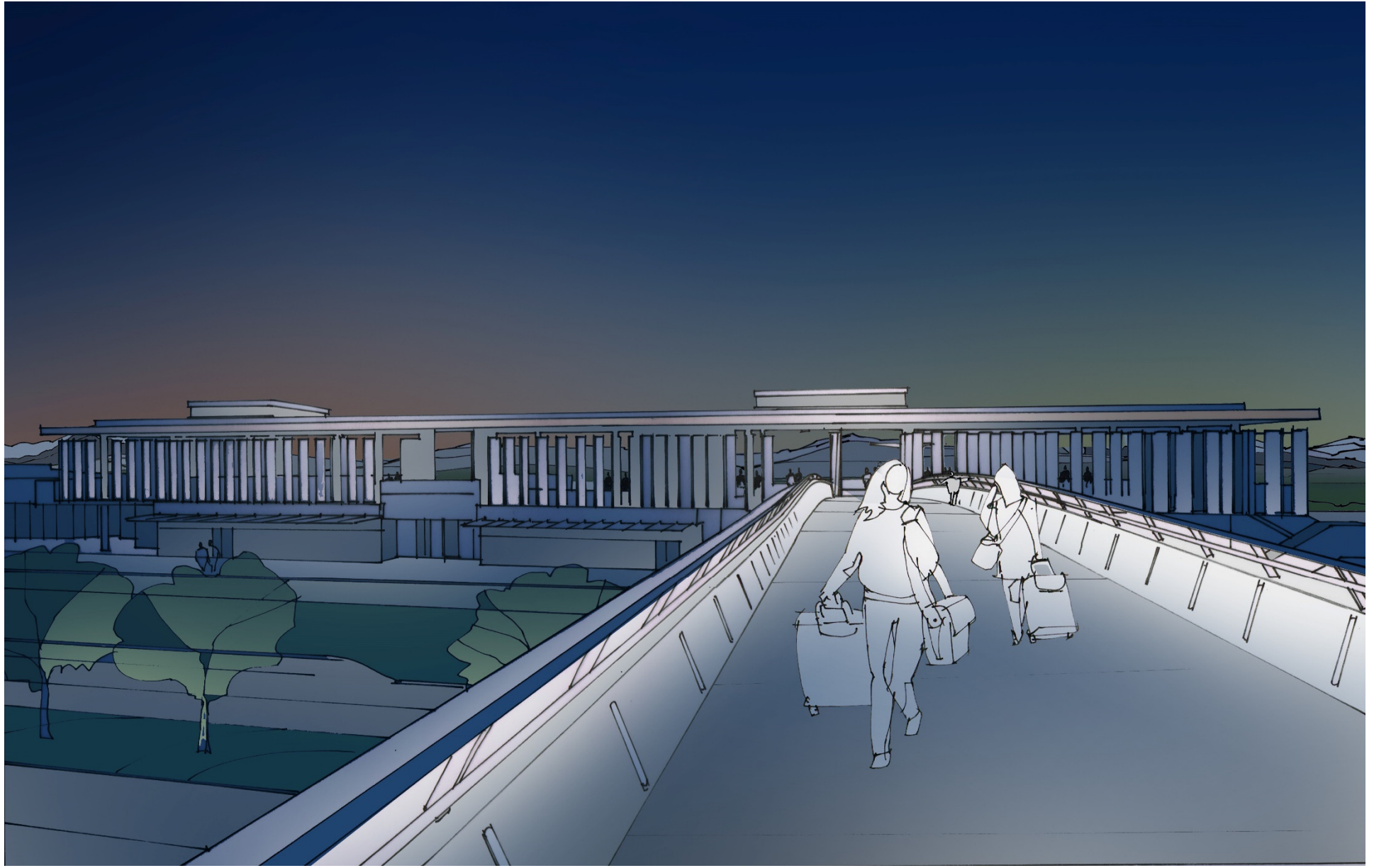












Marion Street Pedestrian Bridge

QUESTIONS AND ANSWERS

