Agenda
City Council Work Session
City of Edina, Minnesota
City Hall Community Room

Tuesday, April 16, 2024
5:30 PM

I. Call To Order

II. Roll Call

III. Rosland Park Pedestrian Bridge Project Update

IV. State Legislative Update

V. Adjournment

The City of Edina wants all residents to be comfortable being part of the public process. If you need assistance in the way of hearing amplification, an interpreter, large-print documents or something else, please call 952-927-8861 72 hours in advance of the meeting.

CITY OF EDINA

4801 West 50th Street
Edina, MN 55424
www.edinamn.gov

Date: April 16, 2024

Agenda Item #: III.

To: Mayor and City Council

Item Type:
Reports / Recommendation

From: Chad A. Millner, P.E., Director of Engineering

Item Activity:
Information

Subject: Rosland Park Pedestrian Bridge Project Update

ACTION REQUESTED:
None.

INTRODUCTION:
Engineering Director Millner will give an update on the Rosland Park pedestrian bridge.

ATTACHMENTS:

Rosland Park Pedestrian Bridge Project Update Staff Presentation

Rosland Park NEXT Architects Sketch Presentation

Rosland Park Pedestrian Bridge BKV Group Experience Presentation

The CITY of EDINA

Rosland Park Pedestrian Bridge Project Update City Council Work Session

April 16, 2024

Chad Millner, Engineering Director

Rosland Park Pedestrian Bridge

- Option 1A with Switchbacks

Rosland Park Pedestrian Bridge

- Option 1A with Switchbacks

Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Friday, April 5 at the U of MN – SOM Architects, Benton Johnson
- Tuesday, April 9 – City of Calgary, Peter Phillips
- Tuesday, April 9 – BKV, Trace Jacques
- Monday, April 15 – NEXT Architects (Amsterdam)
- Monday, April 15 – Snow Kreilich Architects

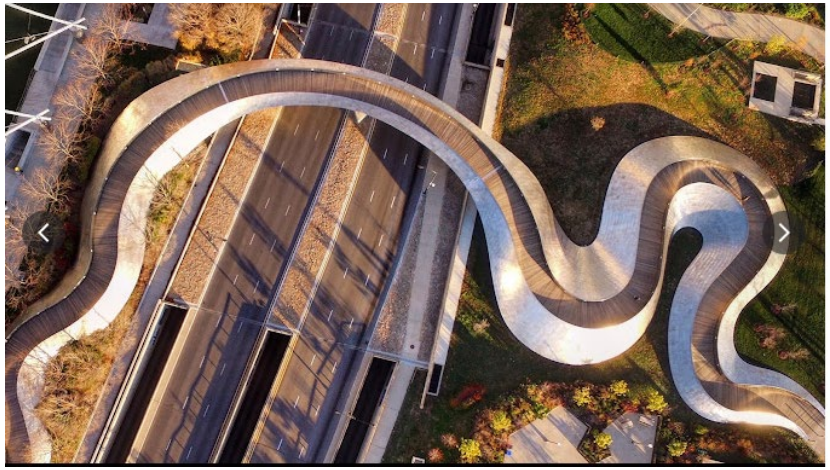
Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Friday, April 5 at the U of MN – SOM Architects, Benton Johnson

  BP Pedestrian Bridge, Millenium Park, Chicago



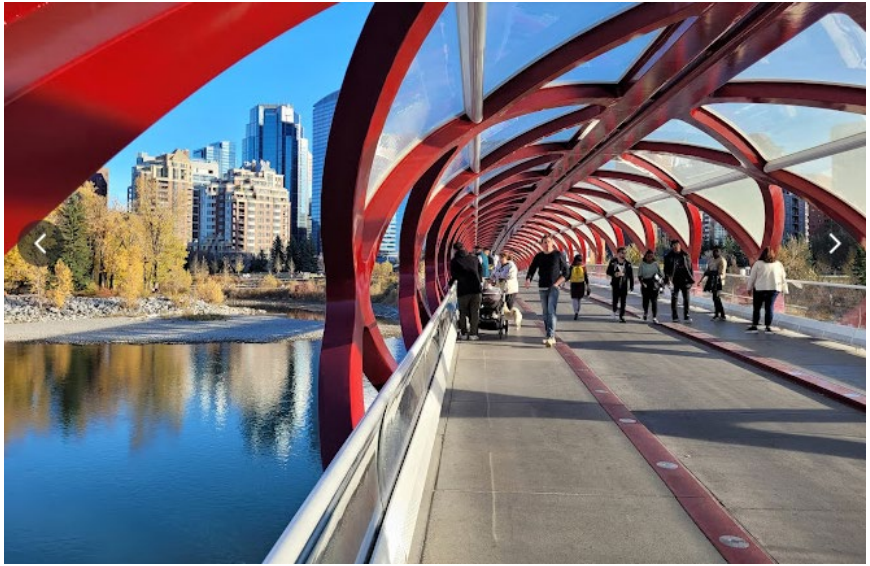
Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Tuesday, April 9 – City of Calgary, Peter Phillips

  Peace Bridge – $25 Million (2012) – estimated $50-$70 Million now

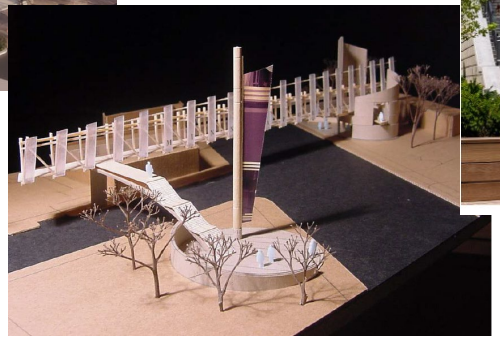


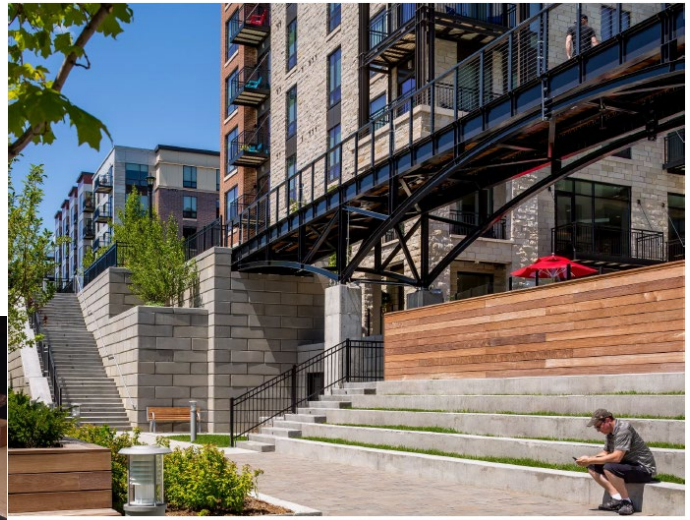
Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Tuesday, April 9 – BKV, Trace Jacques





Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Monday, April 15 – NEXT Architects (Amsterdam)

  Melkwegbrug Bridge

Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Monday, April 15 – NEXT Architects (Amsterdam)

Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Monday, April 15 – NEXT Architects (Amsterdam)

Rosland Park Pedestrian Bridge

The CITY of EDINA

Architect Meetings and Ideas

- Monday, April 15 – Snow Kreilich Architects

  Tree Top Trail MN Zoo

Rosland Park Pedestrian Bridge

- Request For Information (RFI)
  - Request Sketch Plans of Bridge Ideas within $6M Total Budget
  - How to you understand the values of the client?
  - Typically, a stipend for responders
  - Council Votes or Community Votes
  - Firm Selected works with our Structural Engineer

Questions / Comments

→ SKETCHBOOK

ROSLAND PARK PEDESTRIAN BRIDGE

Quickscan proposal for the replacement of
The Rosland Park pedestrian bridge

April 5, 2024

NEXT

→ INTRO

Based on the presentation of the City Council Meeting for approval of the recommendation for the replacement of the Rosland Park Pedestrian Bridge, hereby you'll find a quick scan and review from NEXT architects. It is to be read as inspirational and not as a thorough research.

The replacement of the existing bridge and make it accessible for all including cyclists is crucial in this period of time. We recommend to take it further to really turn the bridge in a landmark that people will embrace, notice and therefore use and cherish.

The recommended option has potential, but without taking al restraints in consideration, we see some other opportunities in integrating the bridge in it's surrounding.

QUICKSCAN

➔ CREATING ADDED VALUE

Bridges play an important role in enhancing people’s sense of place and identity: they connect a city or landscape by creating places for people to meet. With our Dutch roots in mind, we build bridges that ensure sustainable transport within cities. There’s a reason why The New York Times headlined: “If you build it, the Dutch will pedal.”

In our design philosophy **The Rosland Park Pedestrian Bridge** is part of it’s surrounding, not being the highway. The experience for the pedestrians and cyclists is leading. From the highway though, the bridge stands out as a landmark; an icon for Rosland Park.

< Image showing the great asset of the parks in Medina

→ BRIDGE DESIGN

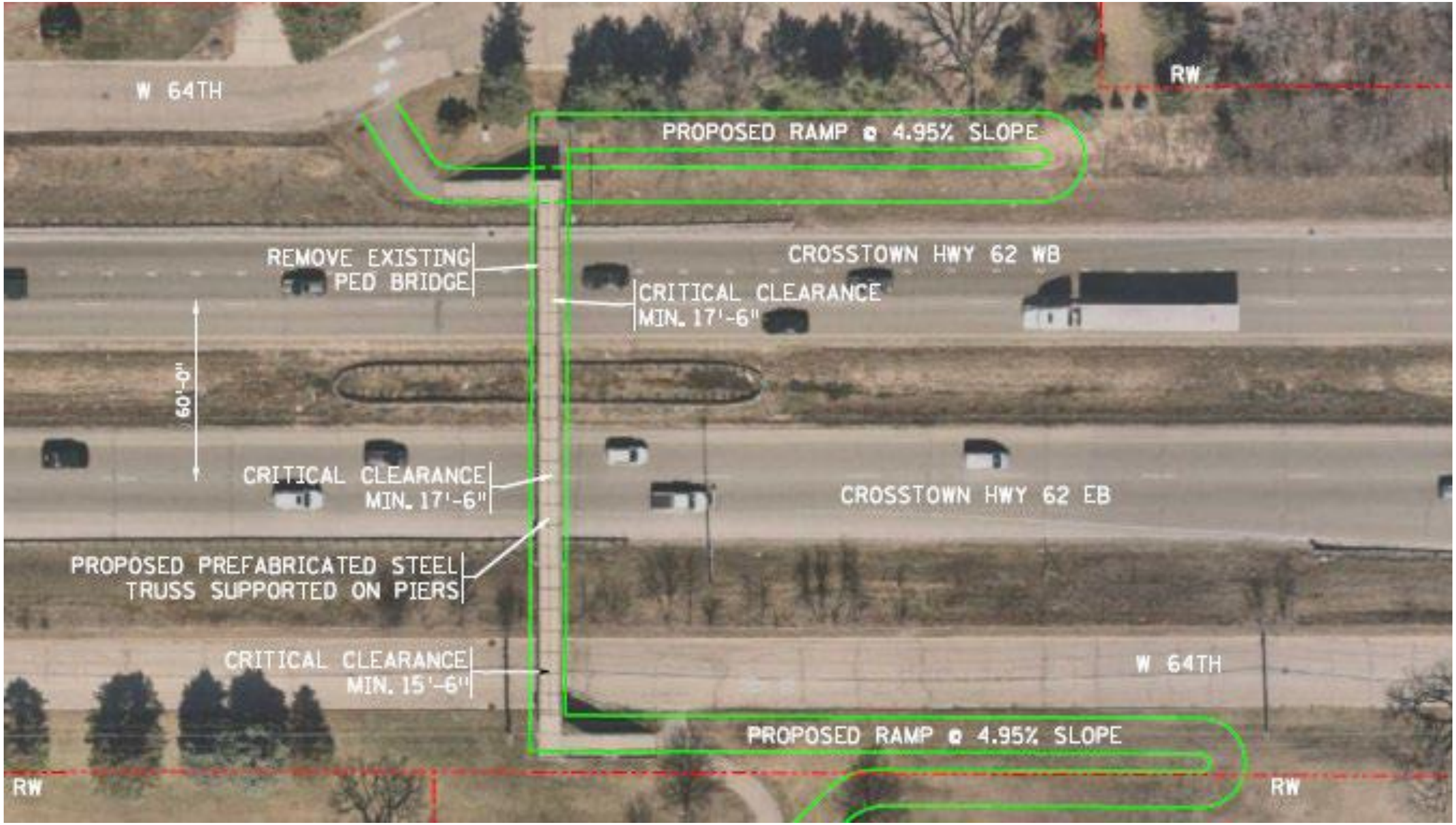
The bridge design should be a clear and coherent design where approaches, the construction and supports are a total design making a **’Gesamtkunstwerk’**.

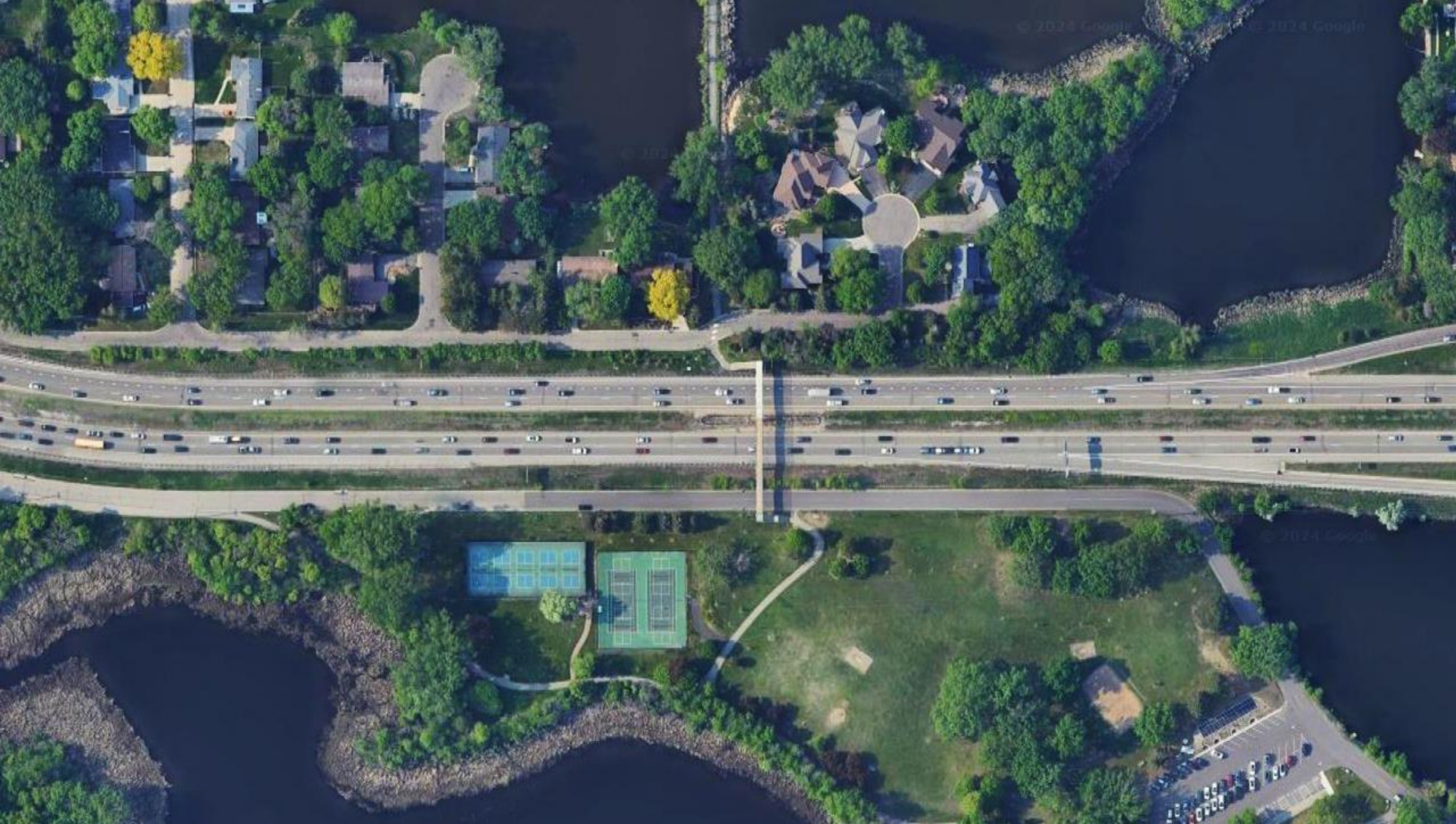
By making the approaches partly integrated into the landscape we think it can be more user friendly. The challenge is to prevent loadbearing walls that will be cladded with graffiti and to have the approaches separated from the highway traffic behind the sound barriers. The main span can be designed as an arch with an appealing design, or the deck can be made with a hollow box girder to create a slender elegant gesture. We even can imagine am arch that is used to create a landmark or even a lookout like we did with the Melkweg bridge.

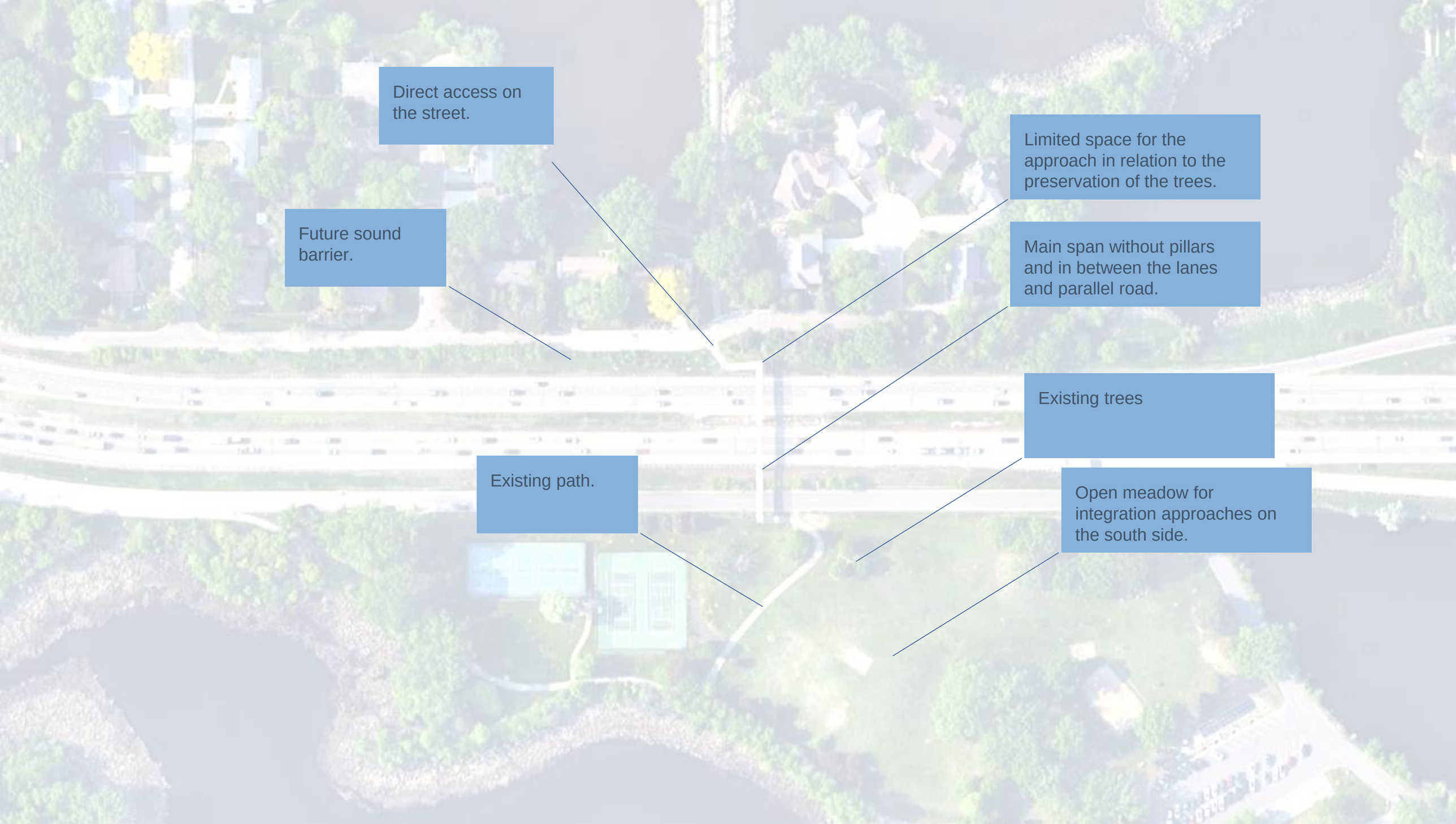
→ PROJECT GOALS

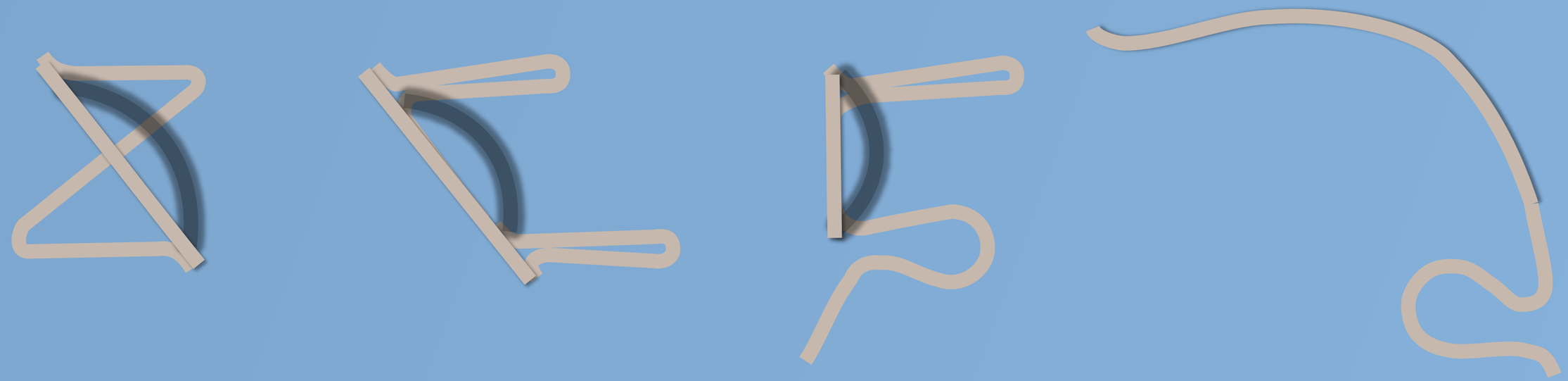
- Improve safety and mobility for all users
- Create ADA compliant pedestrian and bike route
- Improve connectivity between the residential neighborhoods and Rosland Park
- Limit impacts on residential and park properties, trees, and road operations with an eye on long term operations and maintenance

→ OPTION 1A


W 64TH
RW
PROPOSED RAMP @ 4.95% SLOPE
REMOVE EXISTING
PED BRIDGE
CROSSTOWN HWY 62 WB
CRITICAL CLEARANCE
MIN. 17'-6"
60'-0"
CRITICAL CLEARANCE
MIN. 17'-6"
CROSSTOWN HWY 62 EB
PROPOSED PREFABRICATED STEEL
TRUSS SUPPORTED ON PIERS
CRITICAL CLEARANCE
MIN. 15'-6"
W 64TH
PROPOSED RAMP @ 4.95% SLOPE
RW
RW




Direct access on the street.
Limited space for the approach in relation to the preservation of the trees.
Future sound barrier.
Main span without pillars and in between the lanes and parallel road.
Existing trees
Existing path.
Open meadow for integration approaches on the south side.



→ QUICKSCAN MODELS GENERATED

→ CURRENT SITUATION

- The existing bridge only accessible for pedestrians.
- Northern approach with limited space in neighborhood
- Southern approach lands into a park
- Recreational route providing access to the sports and playground facilities and connecting to the trail network.

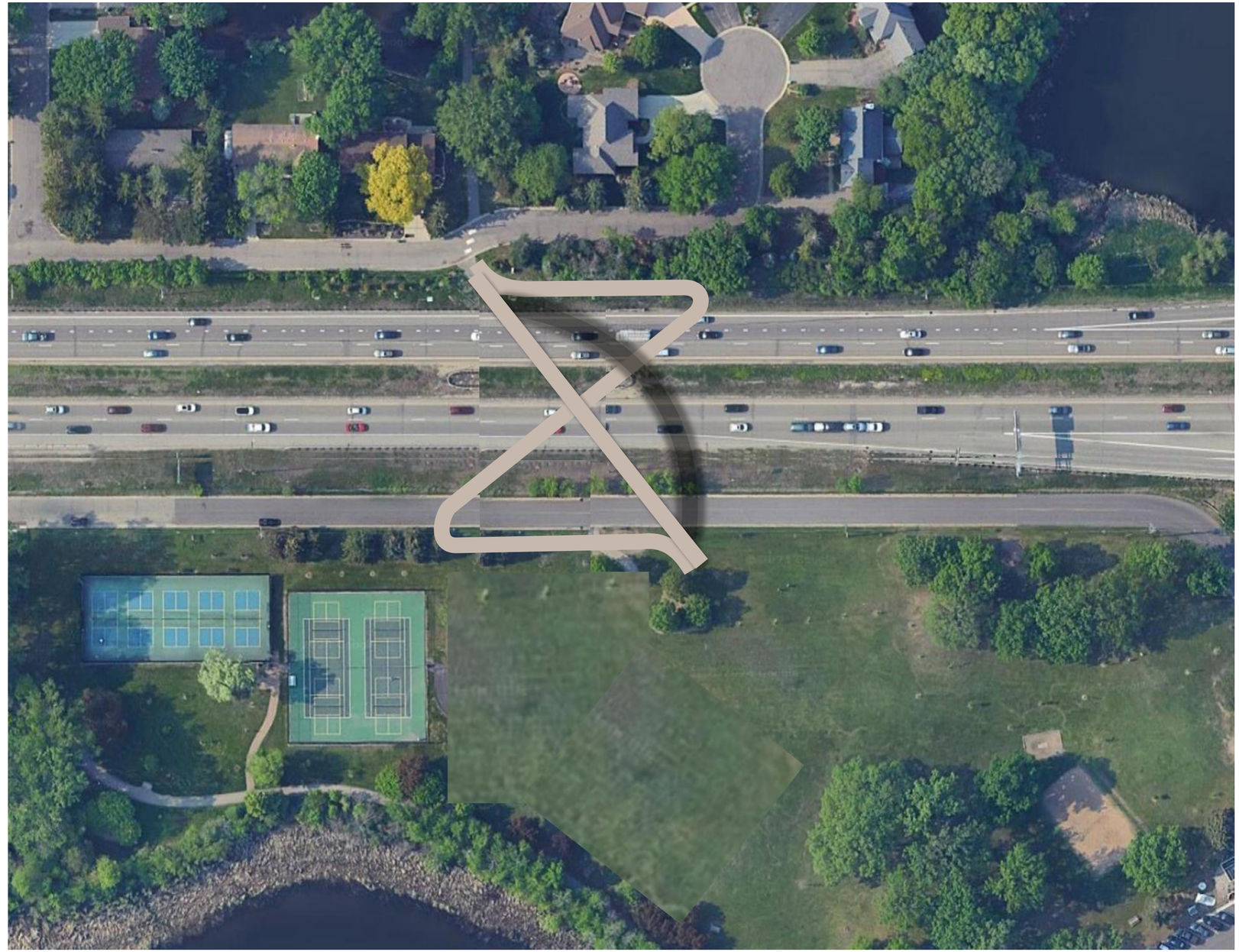
→ REPLACEMENT

- The current bridge will be replaced
- Connections and alignment is open for discussion
- This should be evaluated in a bigger scale.

- Since we're not familiar with all constraints we don't take not of property lines and limitations of underground infrastructure.

1. THE MELKWEGBRUG

- Projection of the Melkweg bridge; a bridge with an arch (incl. stairs?) combined with two (short) approaches.

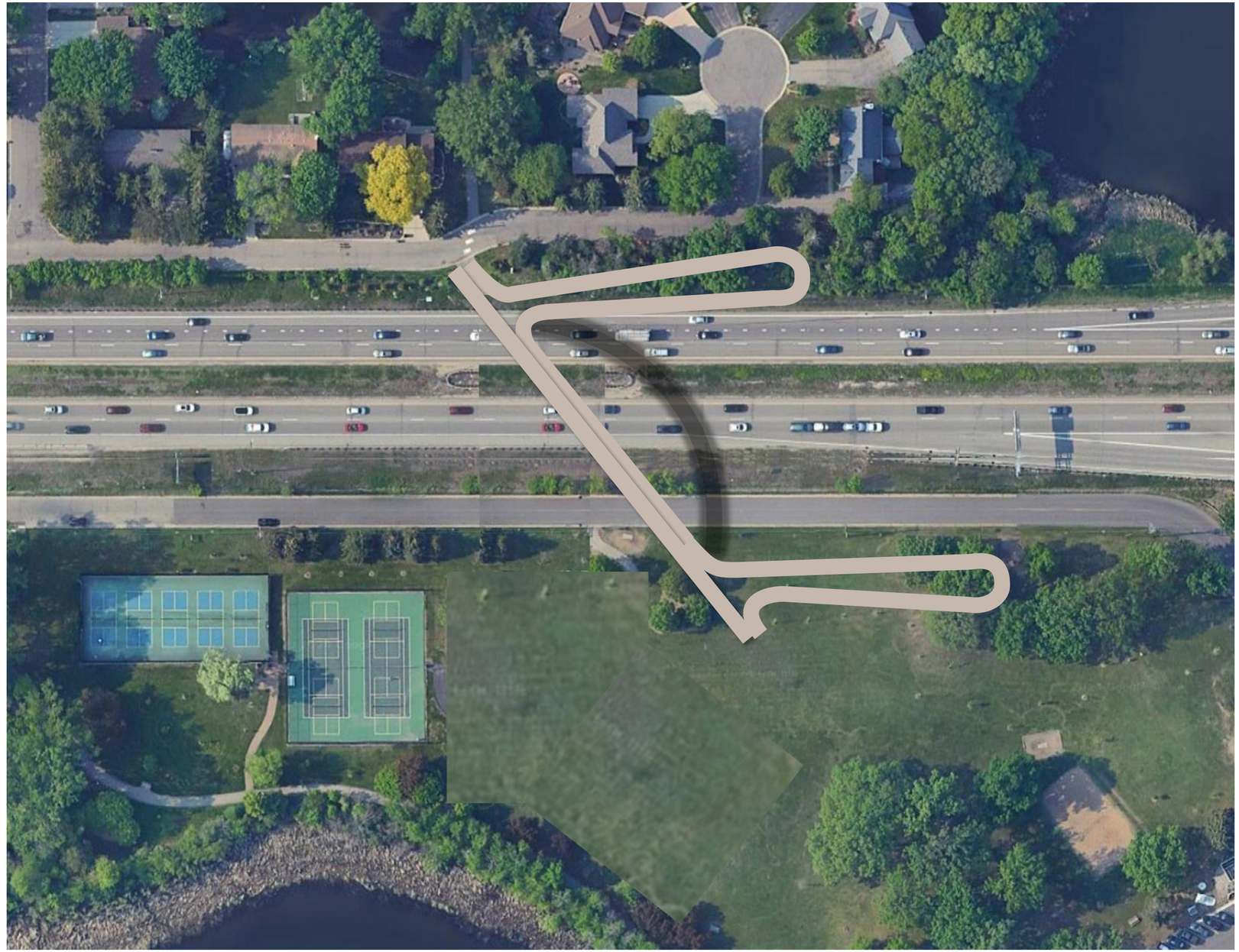


Remark

- The approaches in this scheme will be too short / too steep.

2. THE MELKWEGBRUG ALT.

- When we project the Melkweg bridge as a bridge with an arch combined with two approaches

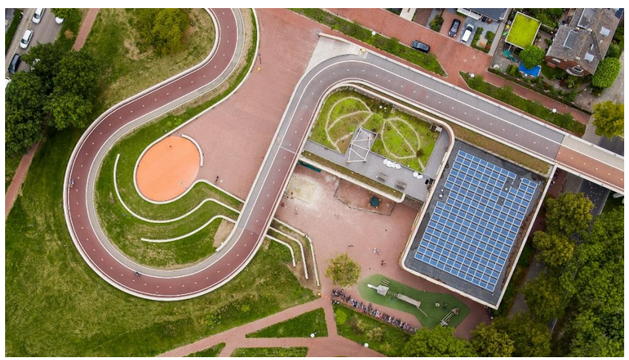


Remark

- The southern approach interferes with a group of trees.
- The length of the bridge is longer than perpendicular to the road.
- The bridge landing is on a different location.

3. THE MELKWEGBRIDGE WITH A TWIST I

- The south approach is circling around the trees.
- The approach can be partly created with ground body that is part of the park (see Dafne Schippersbrug)

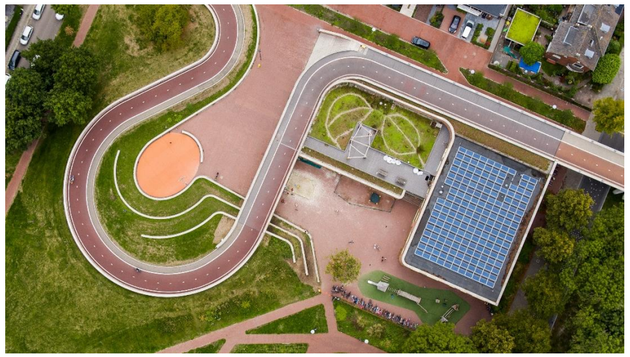


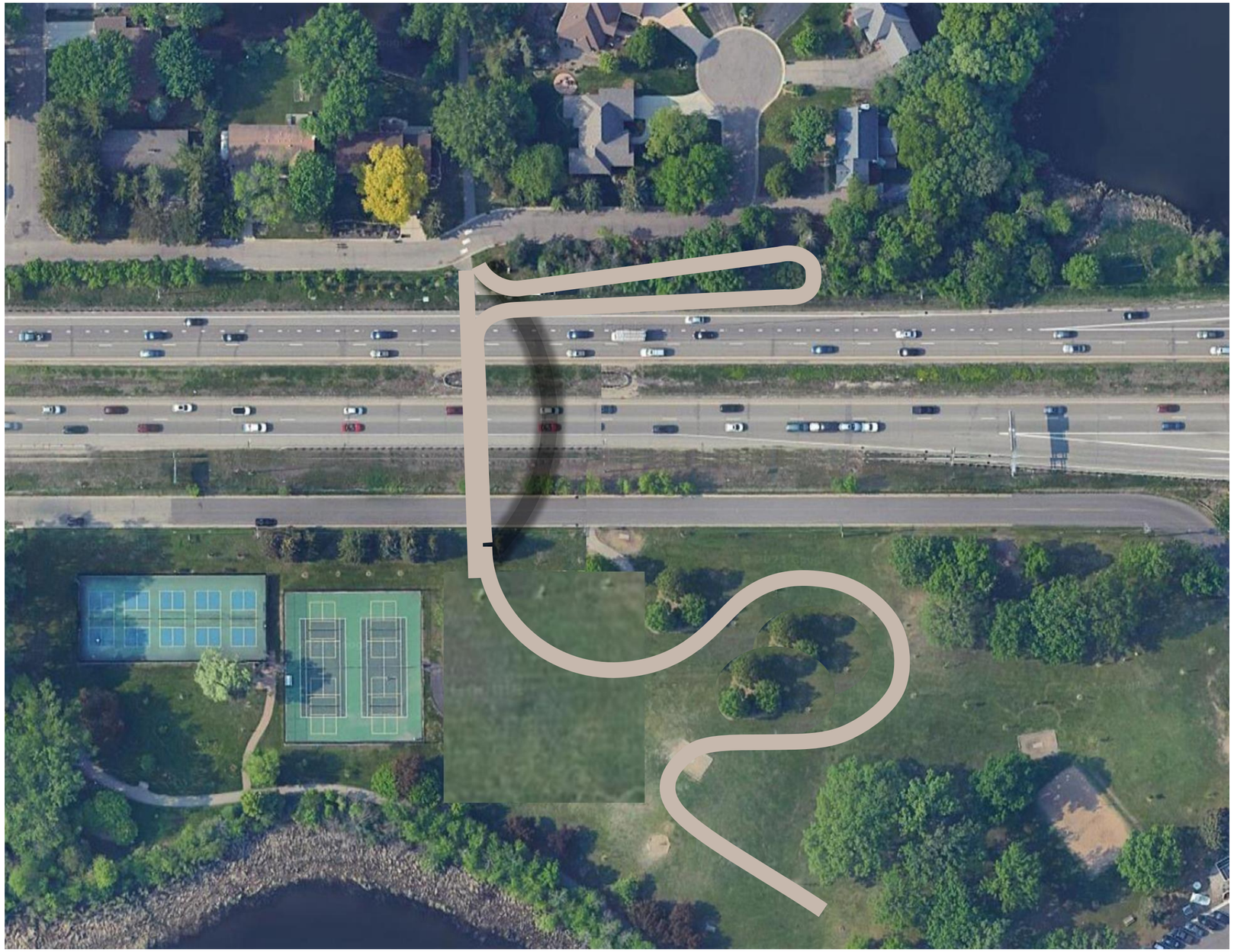
Remark

- Check with property lines.
- Check routing on a bigger scale.

4. THE MELKWEGBRIDGE WITH A TWIST II

- The approach on the south side is enlarged.





5. EXTENDED

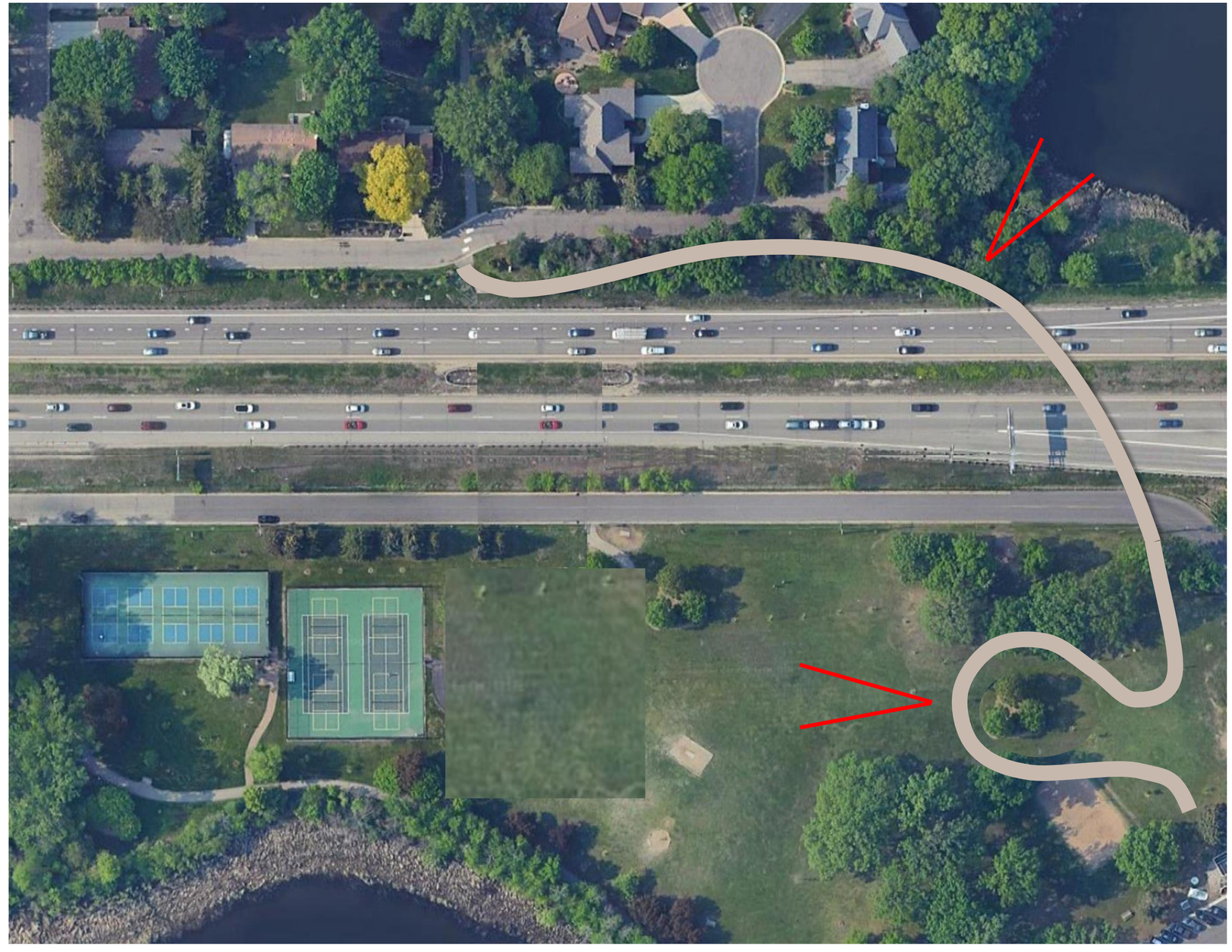
- Based on one other variant we project the bridge to the west which gives other opportunities.

Remark

- Property lines.
- Routing on a bigger scale.
- Impact on the highway .

6. EXTENDED

- When creating a bridge that has its own alignment.
- Views can make the route more interesting.



Remark

- Property lines.
- Routing on a bigger scale.
- Impact on the highway .

BUILDING BRIDGES

MAKING CITY COMMON GROUND

CREATING

WHAT'S NEXT

There is always a next project, a next question, a special solution for today's and tomorrow's challenges. We currently work with passion and drive across the full breadth of our field and thus contribute to a high-quality living environment.

→ NEXT CONNECTS

We believe that connecting places, people and culture is vital to meet the environmental and social challenges we face. As humans, we long for connection in everything we do. And NEXT accommodates this ambition, offering solutions through architecture, contributing to our surroundings with each project.

NEXT architects is looking for new answers to relevant questions. Our projects explore the unknown and bring the future closer. We are the connecting factor between professionals and users. We specialize in finding creative solutions to add unique experiences to our living environment.

DESIGN GOALS

→ **THE** CONTINUITY OF CHANGE

People are always in motion: exploring, discovering, joining up. And whilst we travel, commute, relax and exercise, we engage with our ever-changing surroundings. Because just like us, environments are in constant flux. We give way to both our movements and our landscapes and cities, whilst enhancing them at the same time.

With climate change and urbanization come new challenges. Now, more than ever, we need to manage our rivers and preserve the diversity of our flora and fauna. Our infrastructure and bridge projects contribute to the way people experience their environment and face these challenges, by explicitly engaging with their environment. We incorporate the notion of future transformation into the implementation, generating value now and in the future.

DESIGN GOALS

→ FUTURE GENERATIONS;
CIRCULAR, DURABLE AND FLEXIBLE

Now we more and more focus on working with nature and to use construction materials with a limited impact on our planet. Architecture that is useful, beautiful, and lasting of future generations. We now have several wooden bridges in development facing execution. Where possible we tend to design nature inclusive like we showed with the Vlotwateringbrug, one of our other references. It is fully dedicated to bats.

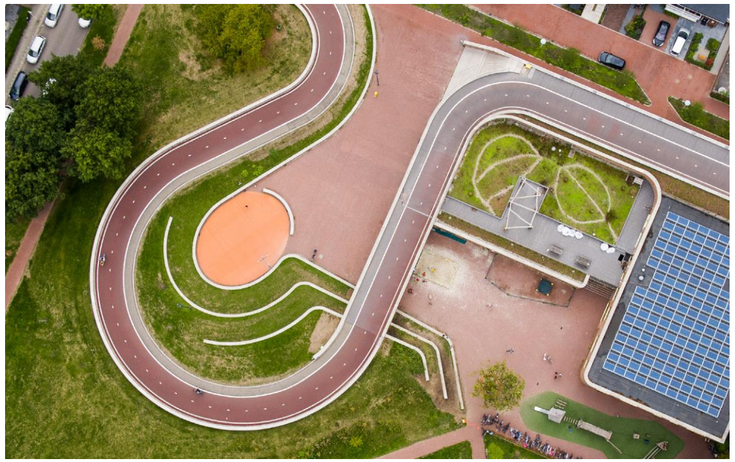
DESIGN GOALS

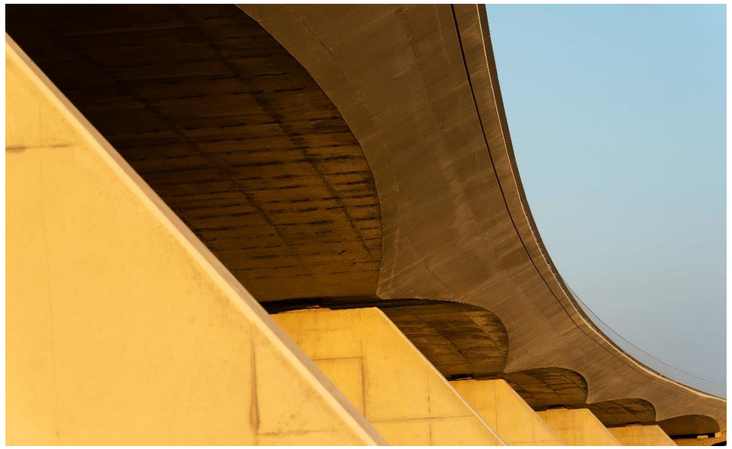
➔ ACOMMODATE HEALTHY URBAN LIVING BY SUSTAINABLE MOBILITY

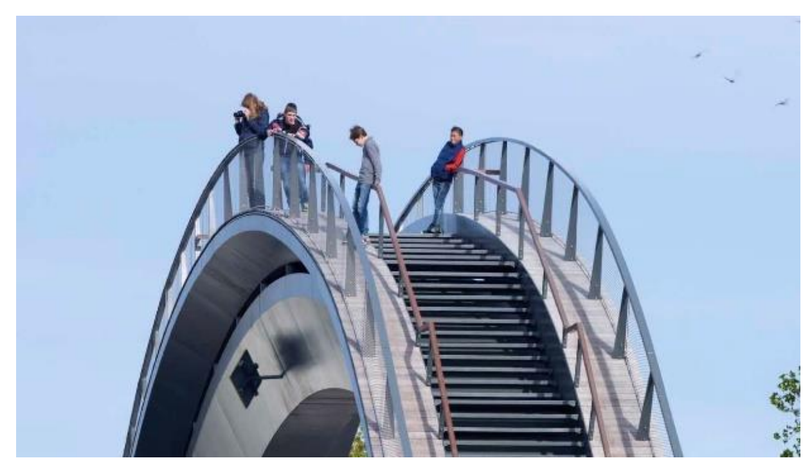
To bring down the amount of car traffic to improve our carbon footprint and air pollution we focus on the quality and comfort of bicycle and pedestrian trails throughout the city and beyond.

One concern is to create bridges for slow traffic with sloops that ideally are less steep than 2 to 3% like we did for the Dafne Schippersbrug and the Melkwegbrug. The width of the deck needs to be adjusted on the expected commodities.

At the Dafne Schippersbrug that mend a width of appr. 7m for different types of bicycles (cargo bike, city bike, road bike and e-bikes) and pedestrians. Parapets are provided with handrailing and lighting is integrated.







BUILDING BRIDGES

MELKWEGBRUG, PURMEREND

BUILDING BRIDGES

MELKWEGBRUG, PURMEREND

BUILDING BRIDGES

DAFNE SCHIPPERSBRUG, UTRECHT

BUILDING BRIDGES

N69, NOORD-BRABANT

BUILDING BRIDGES

N69, NOORD-BRABANT

BUILDING BRIDGES

ZALIGE BRUG, NIJMEGEN

BUILDING BRIDGES

WATER WOUD, ROTTERDAM

BUILDING BRIDGES

ZALIGE BRUG, NIJMEGEN

BUILDING BRIDGES

HEIDSTREEK, FRYSLAND (NL)

BUILDING BRIDGES

ESTATE WINDESHEIM

BUILDING BRIDGES

MAKING CITY COMMON GROUND

CREATING

MELKWEG BRUG

PURMEREND | NL

CAREX

DAFNE SCHIPPERSBRUG

UTRECHT | NL

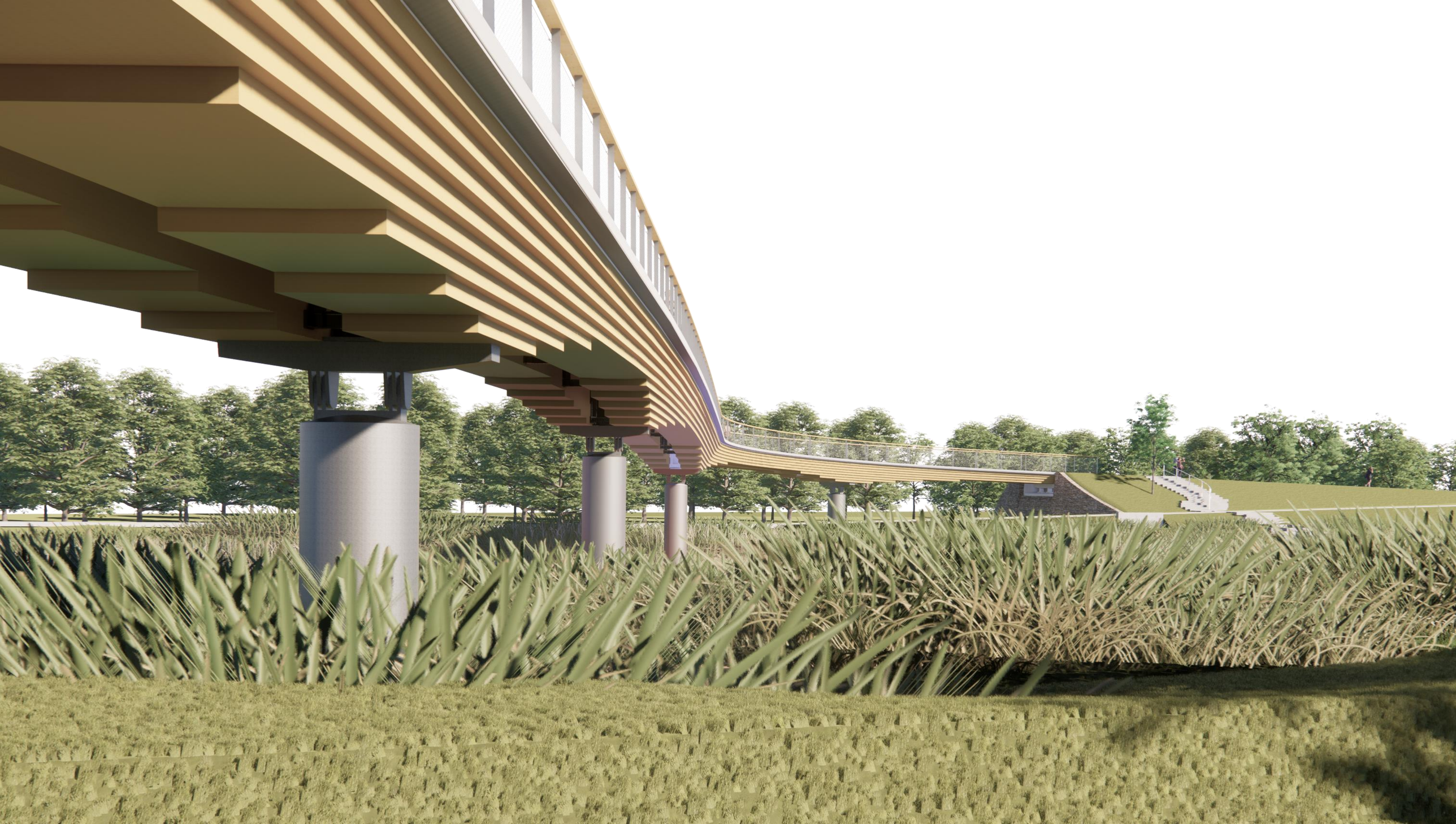
DAFNE SCHIPPERSBRUG - UTRECHT / NL

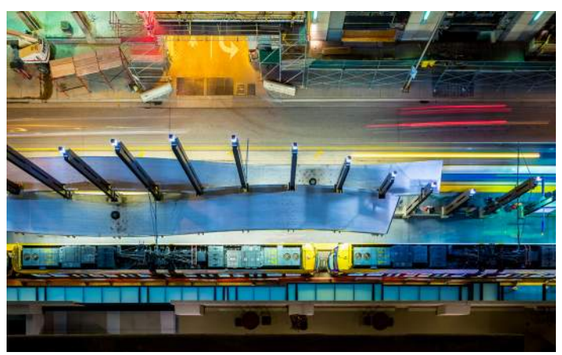
UASC

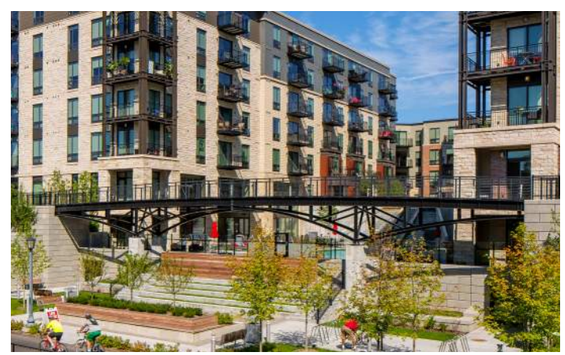
BENEDEN DURME

Halle & Waasmunster | BE

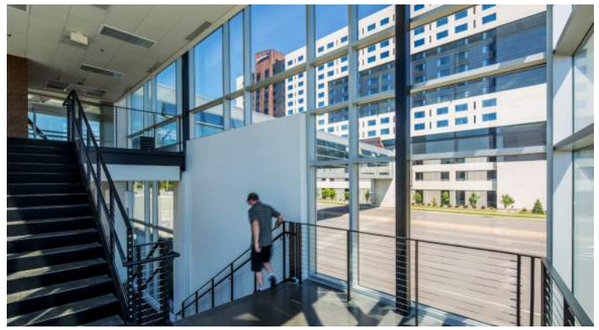
6
8

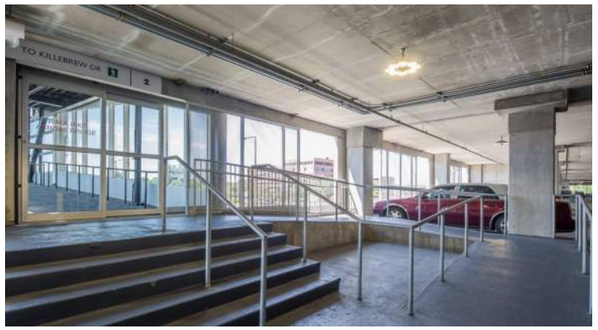






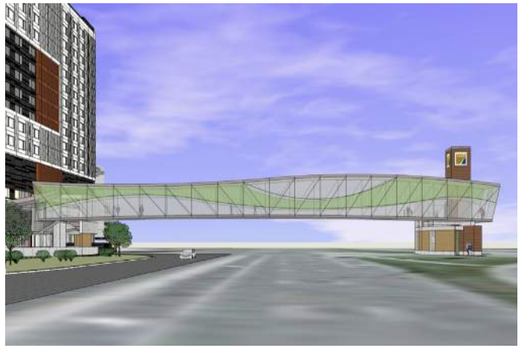
PEDESTRIAN BRIDGE, SKYWAY, TRANSIT SHELTER DESIGN | TRACE JACQUES & BKV GROUP EXPERIENCE



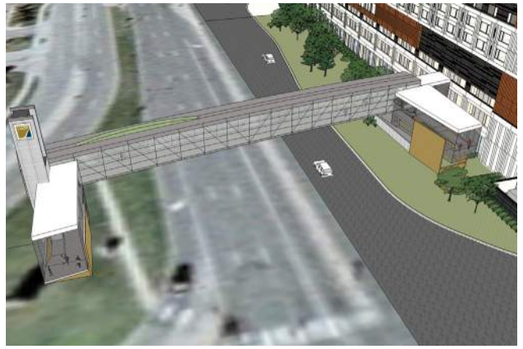


KILLEBREW PEDESTRIAN BRIDGE - MOA | BLOOMINGTON, MN

KILLEBREW PEDESTIAN BRIDGE - MOA | BLOOMINGTON, MN

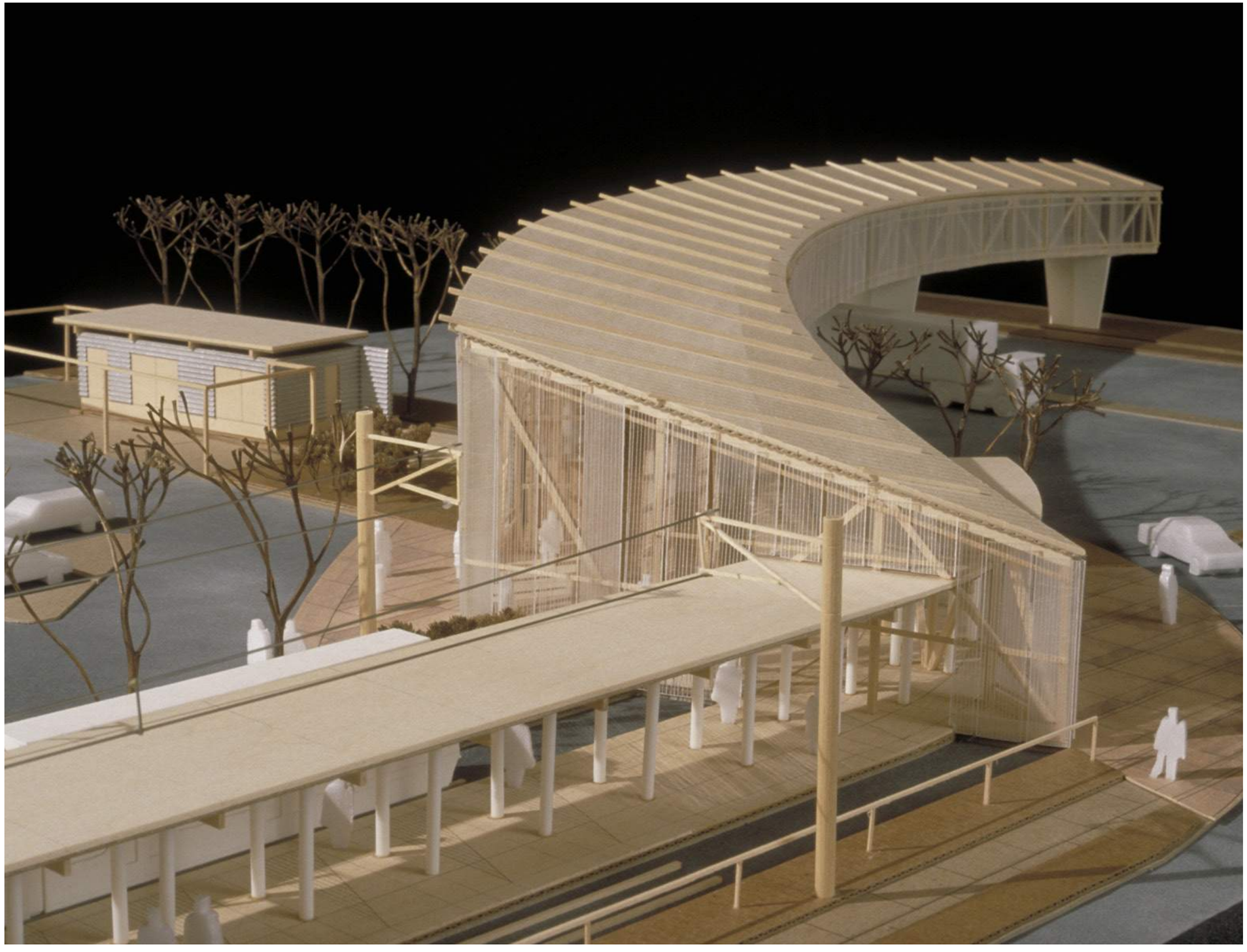


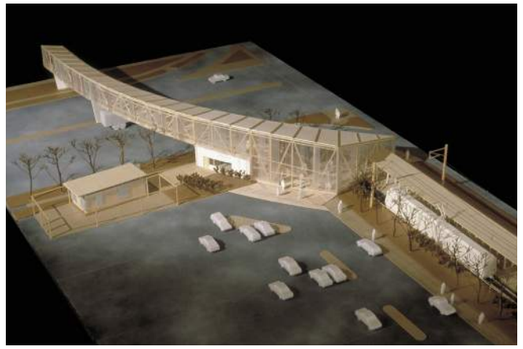
KILLEBREW PEDESTRIAN BRIDGE - MOA | DESIGN STUDIES | BLOOMINGTON, MN

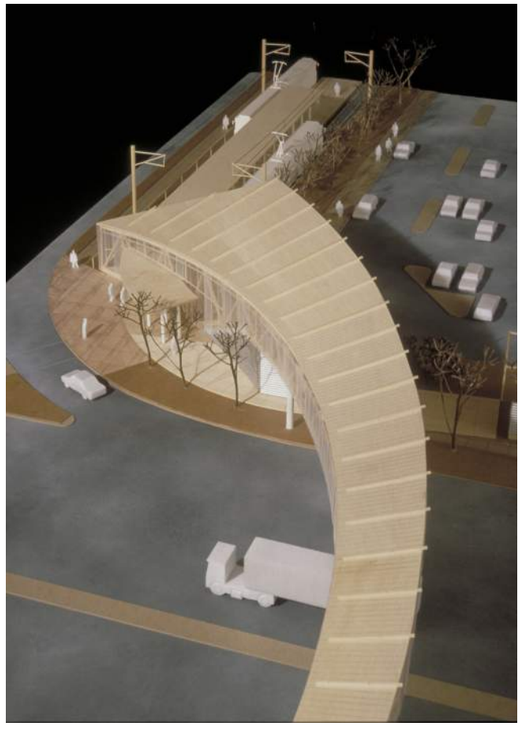


KILLEBREW PEDESTRIAN BRIDGE - MOA | DESIGN STUDIES | BLOOMINGTON, MN

ELAN APARTMENTS - PEDESTRIAN BRIDGE - UPTOWN | MINNEAPOLIS, MN

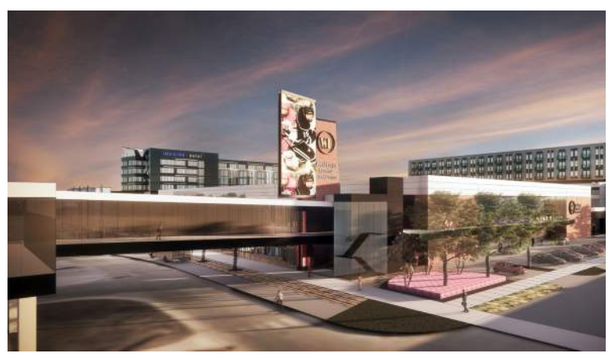




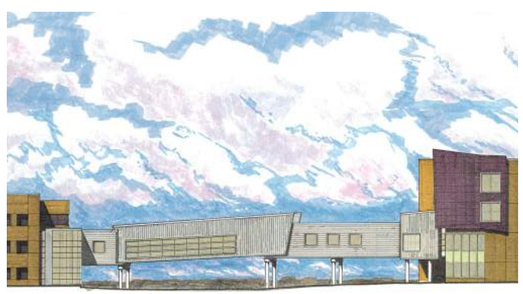


LRT STATION MALL OF AMERICA - PLATFORM AND PEDESTRIAN BRIDGE | BLOOMINGTON, MN

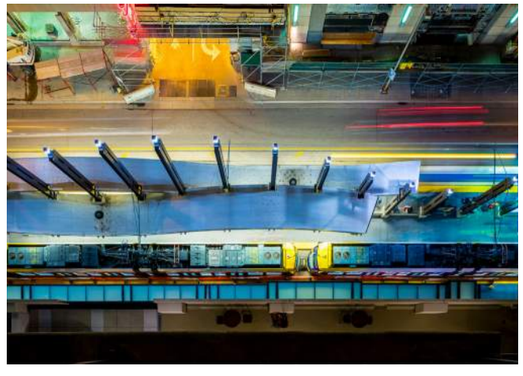
PIAZZA ALTA TERMINAL - GATEWAY SKYWAY | PHILADELPHIA, PA



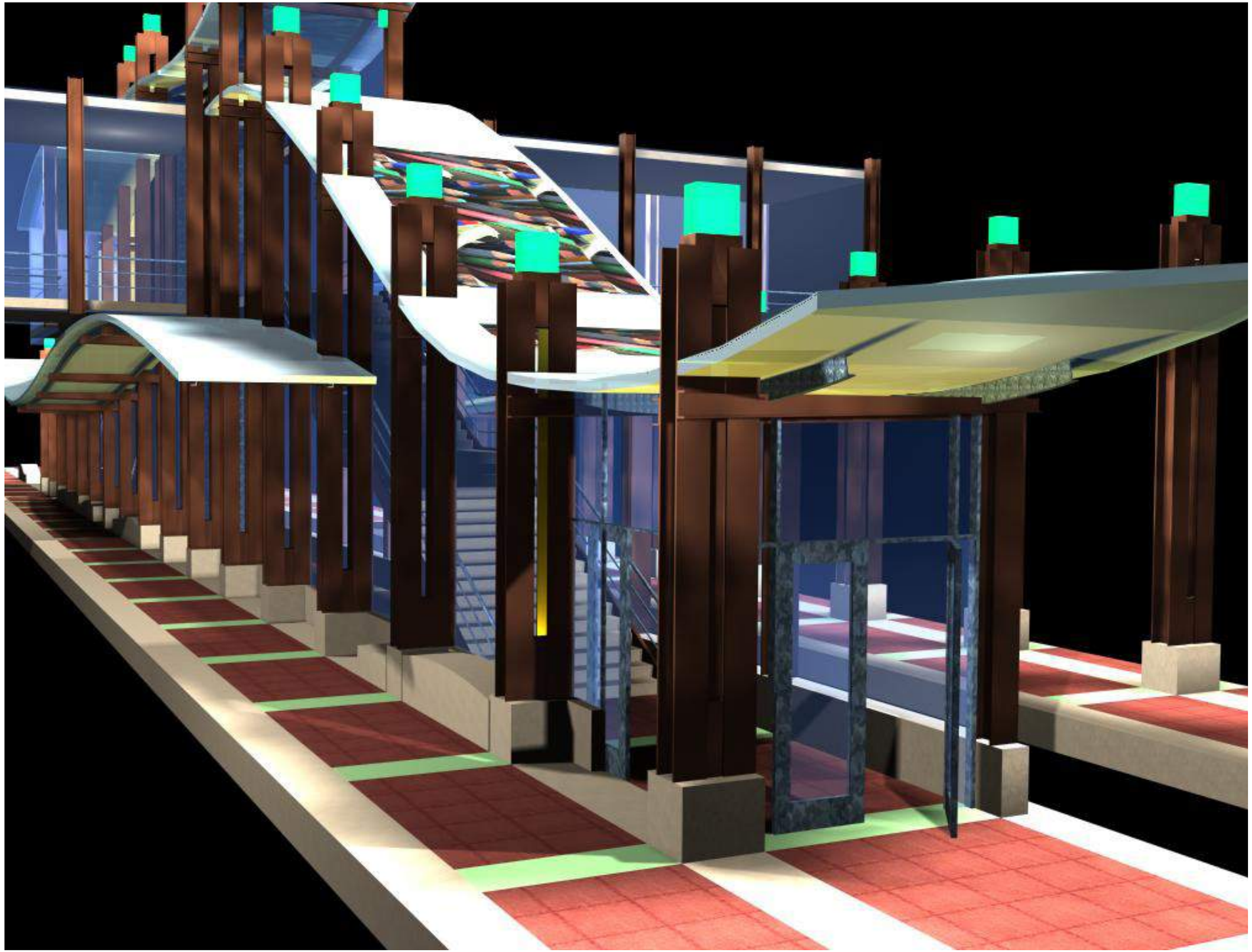
THE LIGHTS 2.0 MIXED-USE COMPLEX (3 SKYWAYS) | UNDER DEVELPMENT | WEST FARGO, ND

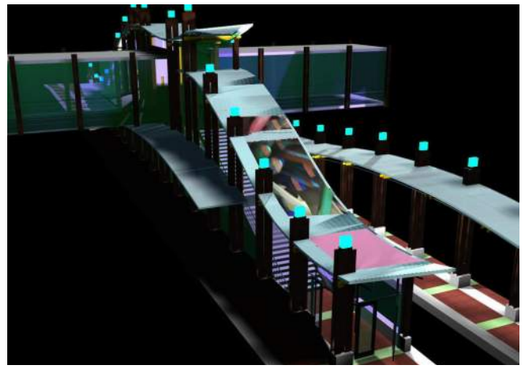


IMATION DISCOVERY CENTER SKYWAY | OAKDALE, MN

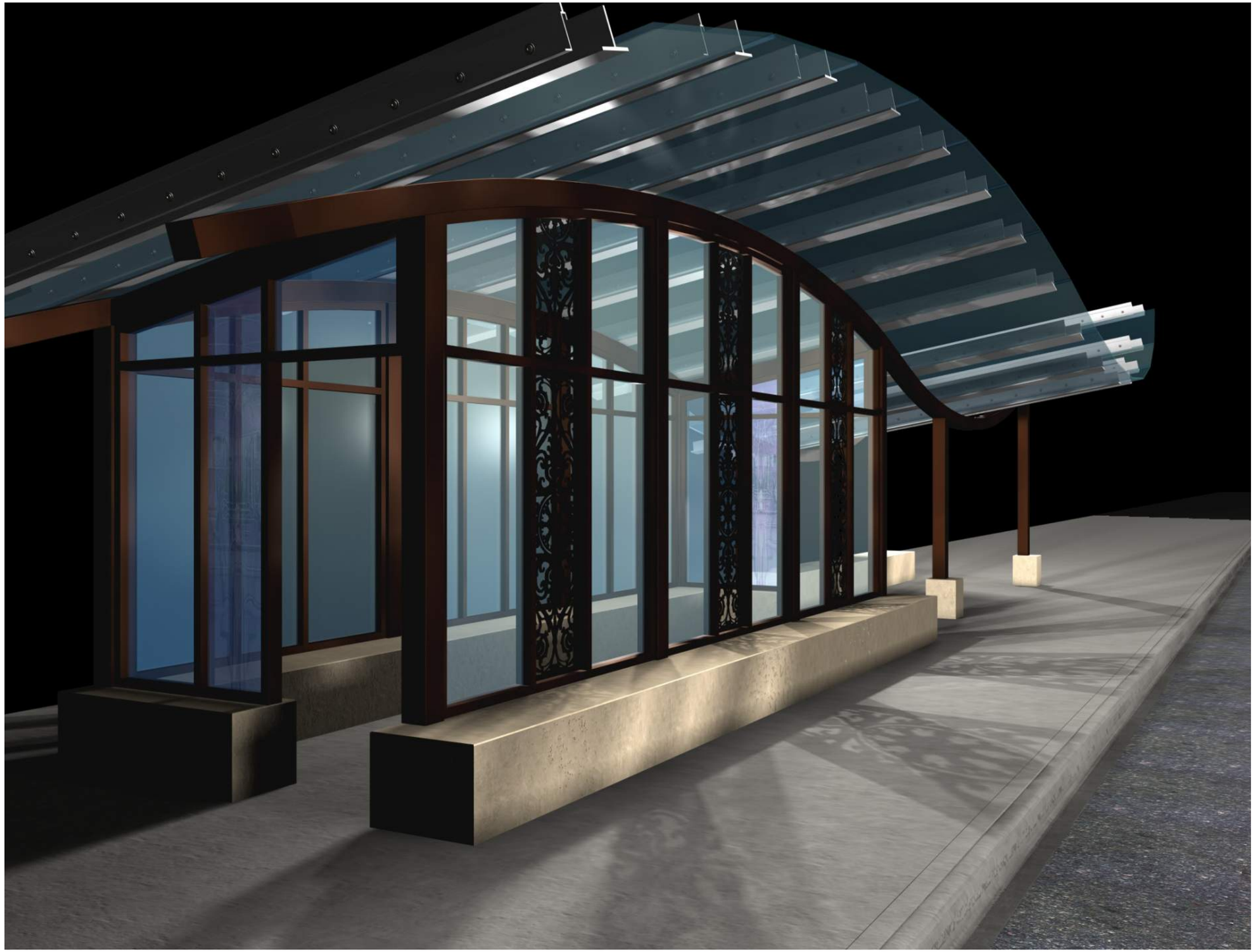


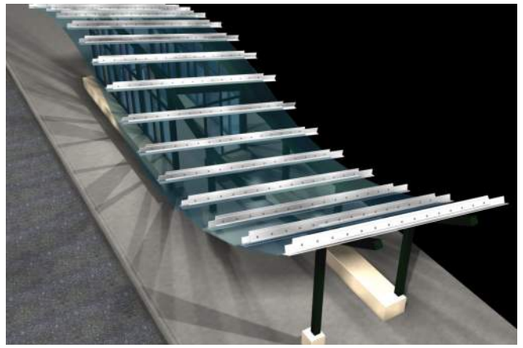
NICOLLET MALL LRT STATION | HIAWATHA LINE | MINNEAPOLIS, MN

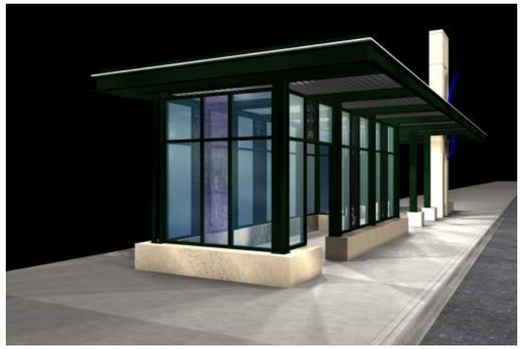




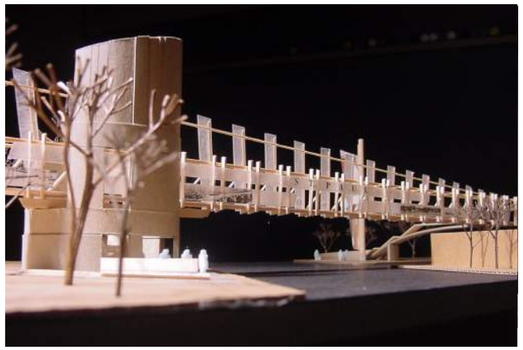
NICOLLET MALL LRT STATION - (PHASE II DESIGN) | HIAWATHA LINE | MINNEAPOLIS, MN

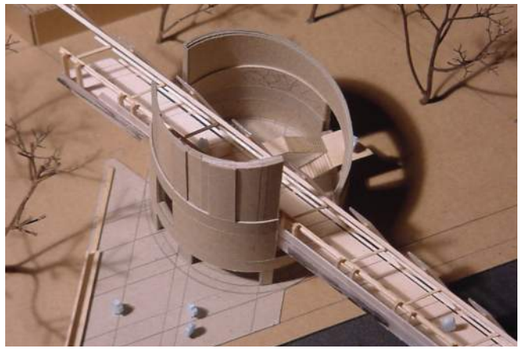


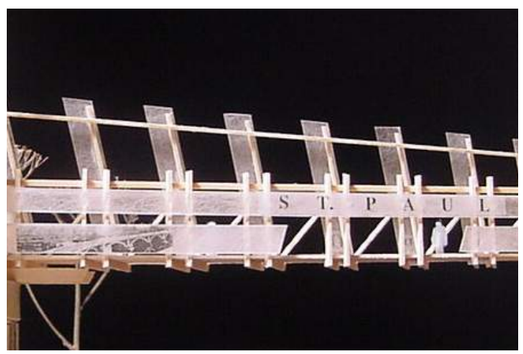




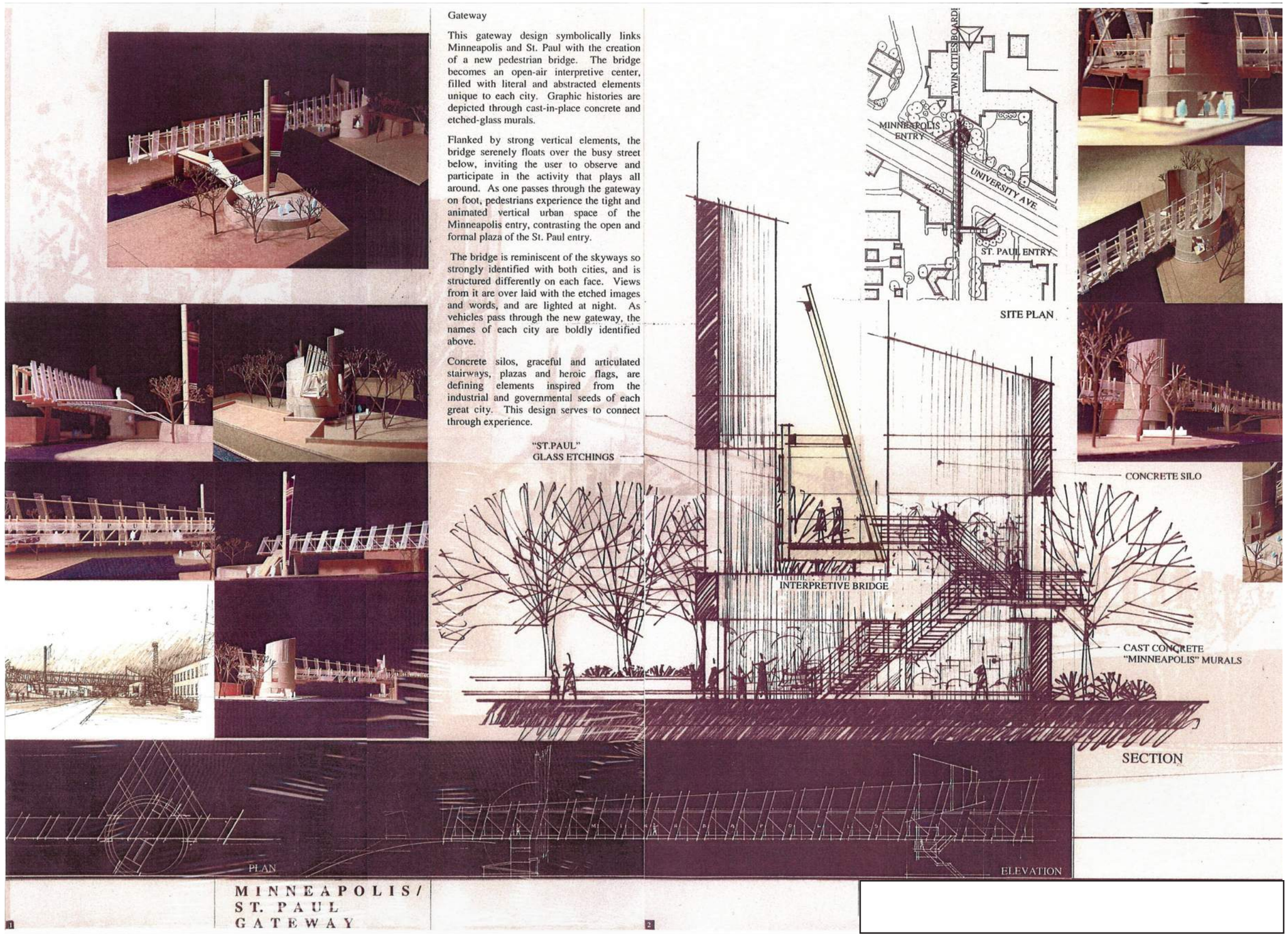
ST. PAUL RAPID BUSWAY SHELTERS | ST. PAUL, MN

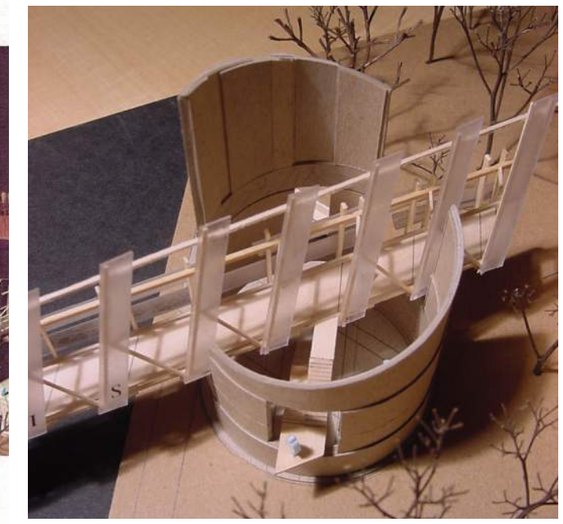




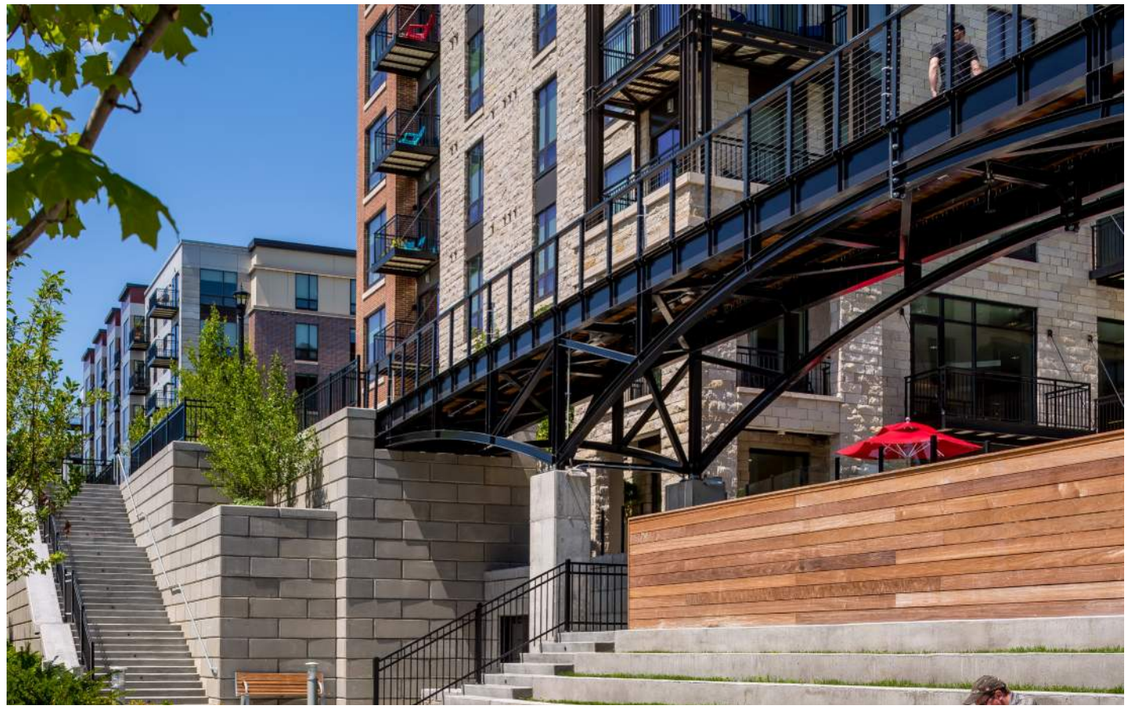


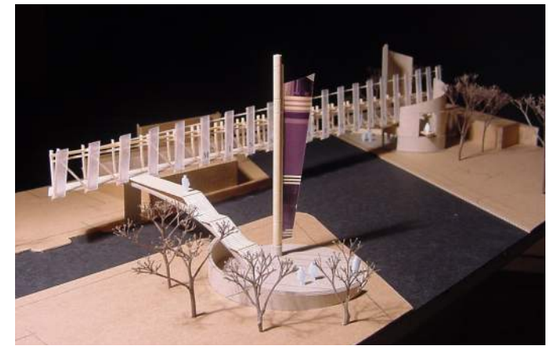
RAPSON FELLOW COMPETITION (FINALIST) | MINNEAPOLIS ST. PAUL GATEWAY | MSP, MN

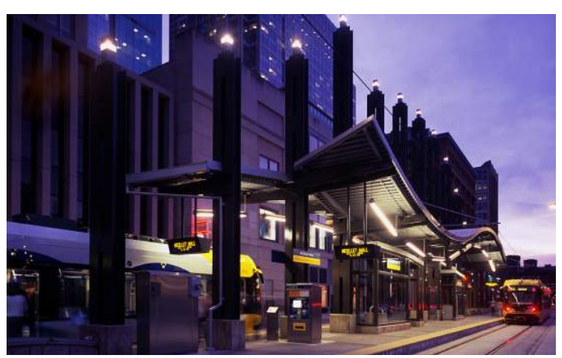


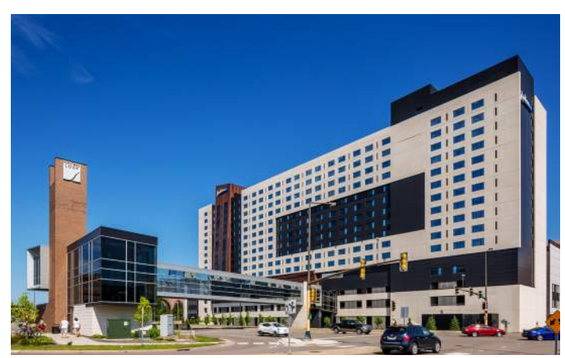


RAPSON FELLOW COMPETITION (FINALIST) | MINNEAPOLIS ST. PAUL GATEWAY | MSP, MN









THANK YOU

CITY OF EDINA

4801 West 50th Street
Edina, MN 55424
www.edinamn.gov

Date: April 16, 2024

Agenda Item #: IV.

To: Mayor and City Council

Item Type:
Reports / Recommendation

From: Scott H. Neal, City Manager

Item Activity:
Information

Subject: State Legislative Update

ACTION REQUESTED:
None.

INTRODUCTION:
City Manager Neal will give an update on the City's state legislative priorities.