

SPADINA FOOTBRIDGE DESIGN UPDATE

Central Waterfront Stakeholder Presentation
Waterfront Toronto

January 08, 2009
West 8 + DTAH

Central Waterfront International Design Competition



Waterfront Toronto Long Term Plan – Central Waterfront

CENTRAL WATERFRONT #1: High Priority

Provides access that does not exist between existing destinations



Waterfront Toronto Long Term Plan – Central Waterfront

CENTRAL WATERFRONT #2: Priority

Enhances access or creates new destinations



Waterfront Toronto Long Term Plan – Central Waterfront

CENTRAL WATERFRONT #3: Low Priority

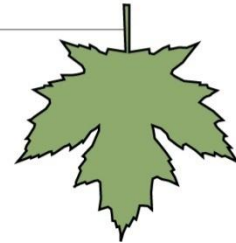
Restores deteriorated access or adds access of limited connectivity value



Waterfront Toronto Long Term Plan – Central Waterfront

CENTRAL WATERFRONT #4: Not Priority

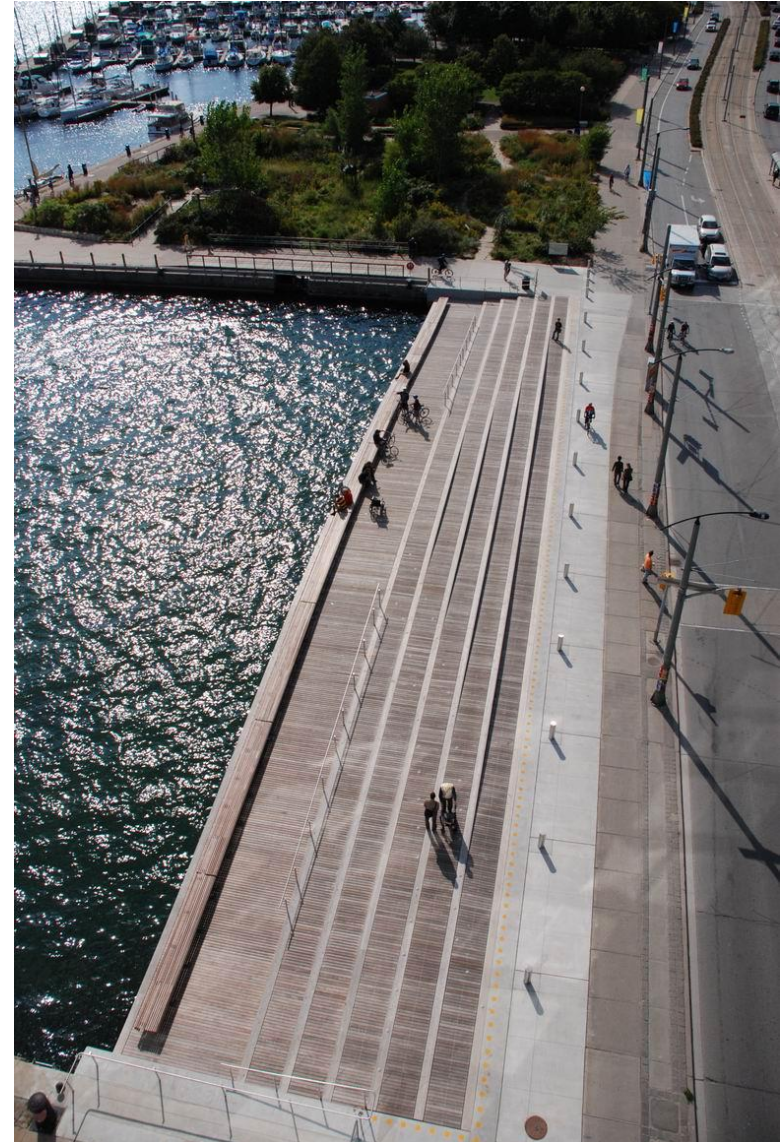
Achieves design excellence but not critical to achieving other corporate objectives



Spadina WaveDeck: Opened September 2008



Spadina WaveDeck: Opened September 2008



Spadina WaveDeck: Opened September 2008

Metropolis Article

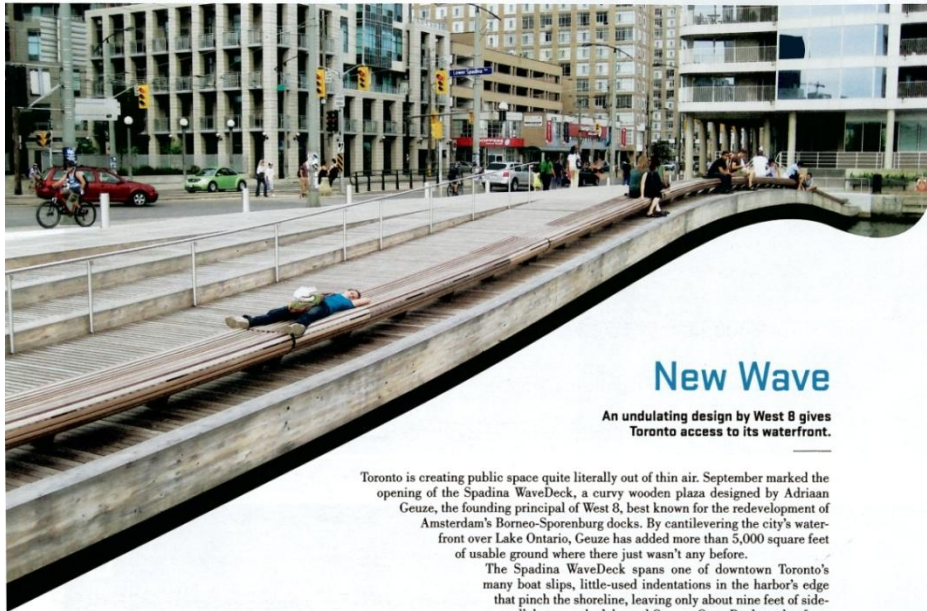
OBSERVED

public space

collective memory

urbanism

"where the city kisses the lake"



New Wave

An undulating design by West 8 gives Toronto access to its waterfront.

Toronto is creating public space quite literally out of thin air. September marked the opening of the Spadina WaveDeck, a curvy wooden plaza designed by Adriaan Geuze, the founding principal of West 8, best known for the redevelopment of Amsterdam's Borneo-Sporenburg docks. By cantilevering the city's waterfront over Lake Ontario, Geuze has added more than 5,000 square feet of usable ground where there just wasn't any before.

The Spadina WaveDeck spans one of downtown Toronto's many boat slips, little-used indentations in the harbor's edge that pinch the shoreline, leaving only about nine feet of sidewalk between the lake and Queens Quay Boulevard, a four-lane thoroughfare with streetcar tracks. This is no simple boardwalk, however. "We designed a specific silhouette of undulating decks where the city kisses the lake,"

Geuze says of the project, which will ultimately include five WaveDecks. His ipe-clad ribbons rise and fall as they cross the slips, their curves creating seating ledges and allowing the pedestrian walkway to wiggle down to the water's edge.

The fact that the project was built almost exactly as drawn (in renderings, it looks profoundly difficult to construct) is a testament to the design aptitude and tenacity of Waterfront Toronto, a semipublic agency created in 2001 to revitalize the city's six-plus miles of lakefront. Given control of 2,000 acres of public land and 1.5 billion Canadian dollars in seed money, the organization has hosted a series of international design competitions for various parts of the program. West 8, in collaboration with du Toit Allsopp Hillier, a local firm, was selected to envision the two-mile central segment. When complete, the project will eliminate two lanes of traffic, plant maple trees near the water, and create a total of five WaveDeck segments (two more are scheduled to open next continued on page 34

West 8's boardwalk juts out over Lake Ontario, offering Torontonians a better connection to the city's most important natural asset. The space is kept alive after dark by 24 underwater LEDs.



OBSERVED

NEW WAVE continued from page 32

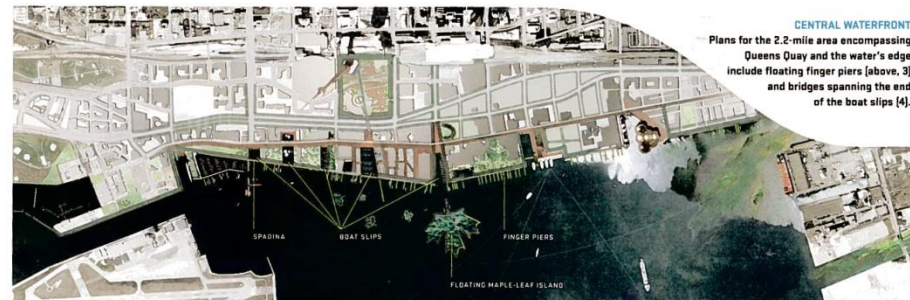
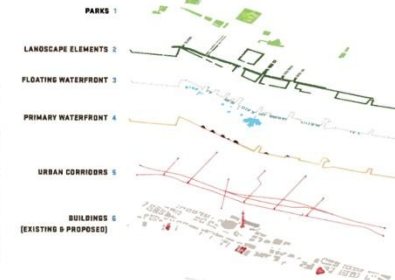


SPADINA WAVEDeck The first phase of a larger waterfront-rehabilitation effort, Spadina WaveDeck (above, foreground) also included the installation of new habitats for fish.

"You build great cities by building a great public realm," John Campbell says.

summer). Some will rise more than others, one will morph into a children's playground, and another will resemble a powerful wave. "The others are similarly detailed," Geuze says, "but they all have a different span and a different curve."

"You build great cities by building a great public realm," says John Campbell, the president and CEO of Waterfront Toronto. If he's right, then Canada's largest city—which is not merely retrofitting existing spaces but actually adding surface area—is well on its way. "We want to make sure as we march along and revitalize the waterfront," Campbell says, "that the water's edge is recaptured by the people, legally, physically, and psychologically." Accordingly, Geuze wanted to define Canada's newfound amenity by referencing a collective national memory: the beautiful view, large trees on the shore, and a rustic wooden cabin and dock perched on the edge of the lake. "This is what Canadians share," he says, "this perception of the landscape, of looking out from a shoreline or dock across the water."—Adam Regn Arvidson



CENTRAL WATERFRONT Plans for the 2.2-mile area encompassing Queens Quay and the water's edge include floating finger piers (above, 3) and bridges spanning the end of the boat slips (4).

Rees WaveDeck: Construction Underway



Simcoe WaveDeck: Construction Underway

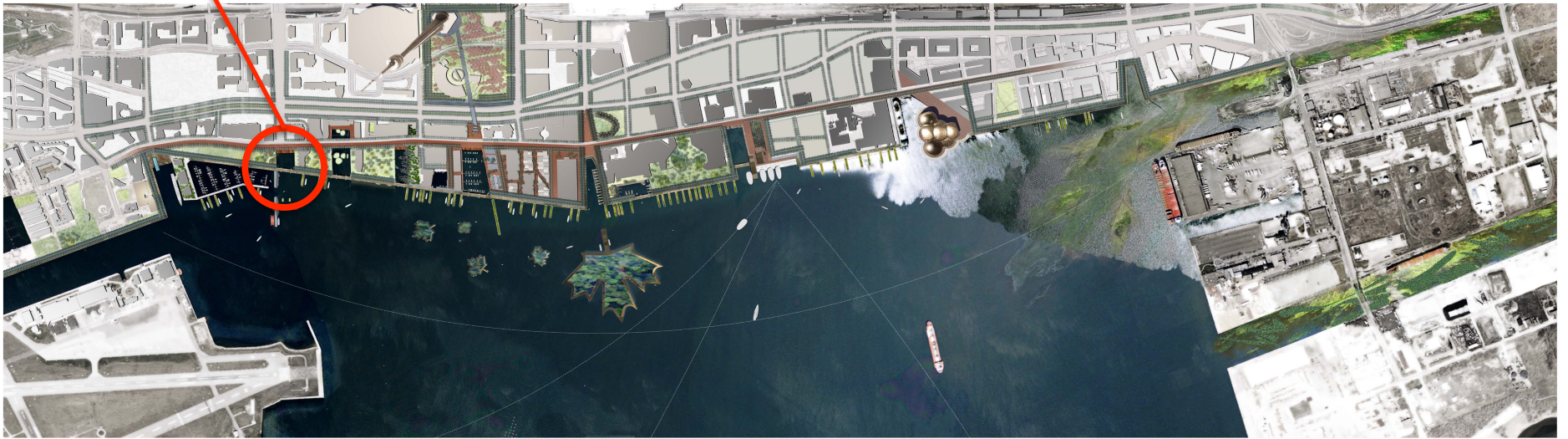


East Bayfront Water's Edge Promenade: Design Underway



Competition Masterplan 2006

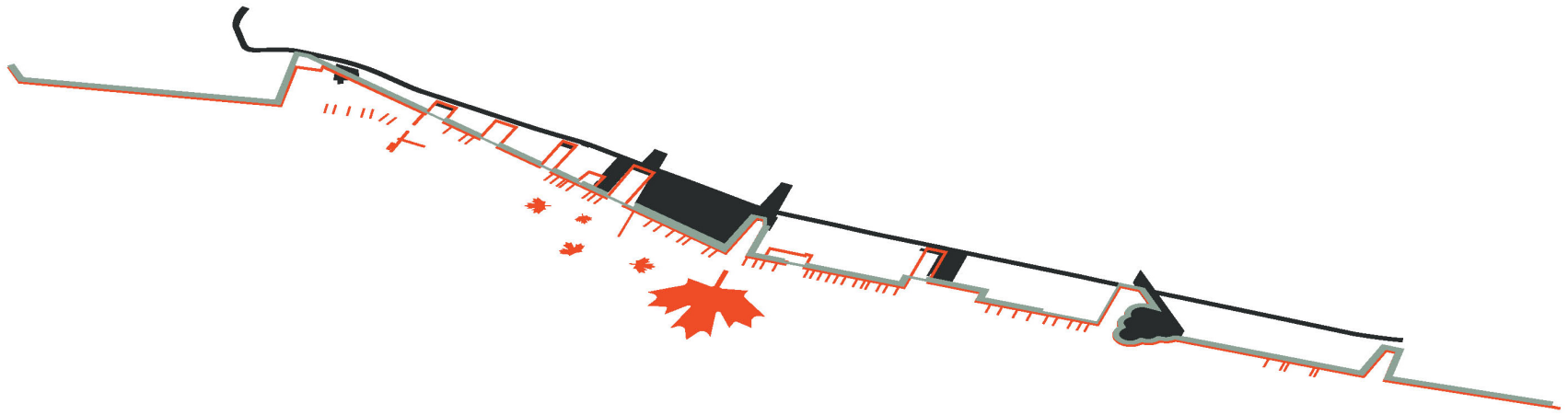
SPADINA SLIP



Two Linear Park Systems – Movement & Connectivity



Woven, Multiple Waterfront



**Existing Condition –
Discontinuous Lakefront**



Secondary Waterfront: Boulevard / Slip-Ends – Continuity along the Streetscape

Four WaveDecks along Queens Quay
bind the streetscape to the slips:

PORTLAND WAVEDECK

SPADINA WAVEDECK

REES WAVEDECK

SIMCOE WAVEDECK



Slips & Streetscape



Primary Waterfront Continuity along the Water's Edge

Five Bridges link a continuous
water's edge promenade:

SPADINA BRIDGE

PETER BRIDGE

REES BRIDGE

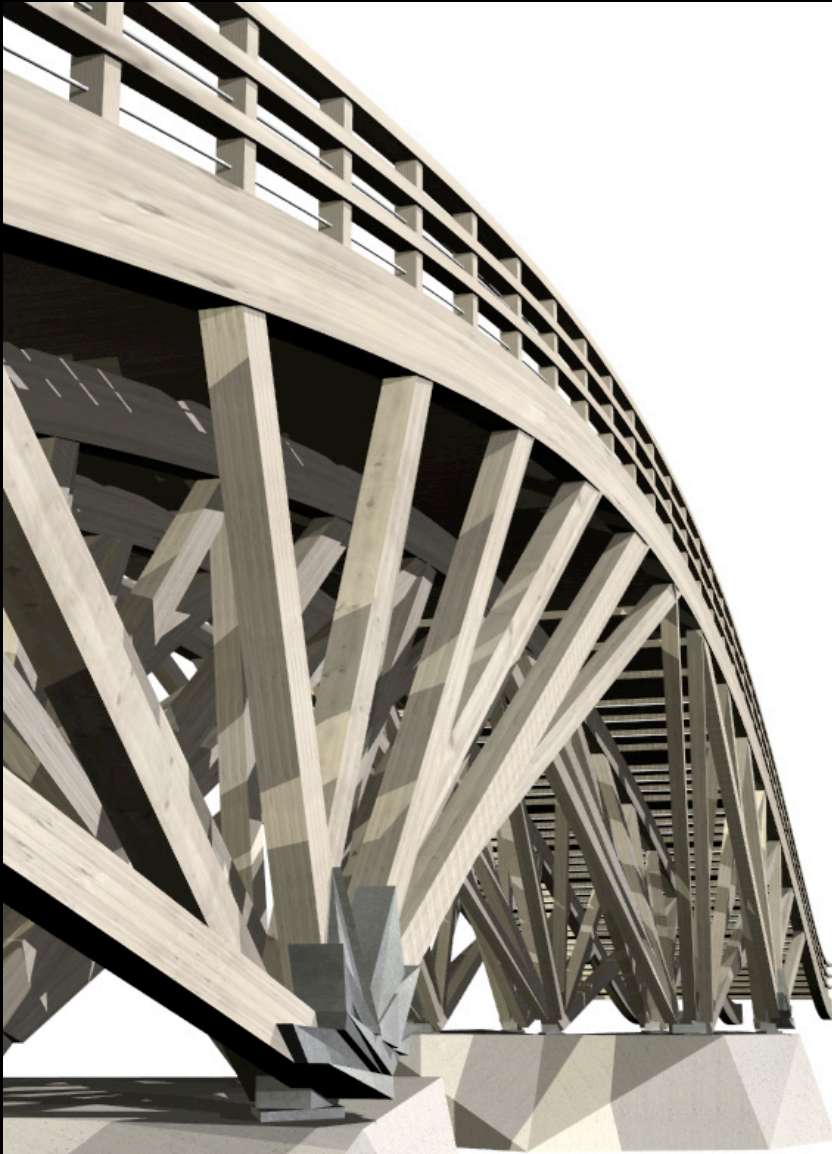
POLICE BRIDGE

SIMCOE BRIDGE

1.6km



Bridges & Boardwalks



Timber Bridges



Timber Piers



Timber Bridge Concept



Access Diagram – Walkers/Joggers

DRAFT



LEGEND

- Walkers / Joggers
- Wave Deck

0 100 250 500 m

Access Diagram – Wheelchair

DRAFT



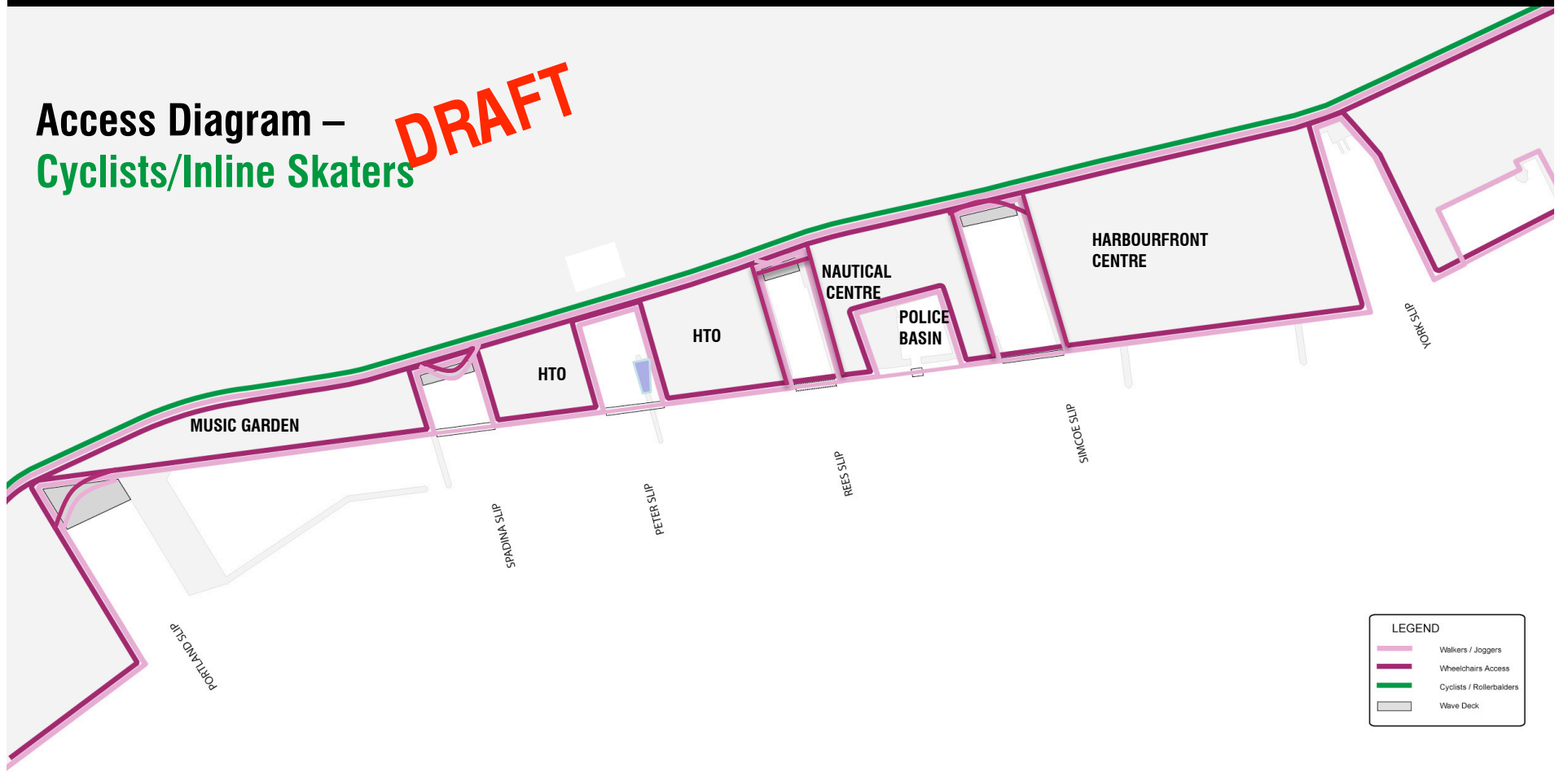
LEGEND

- Walkers / Joggers
- Wheelchairs Access
- Wave Deck



Access Diagram – Cyclists/Inline Skaters

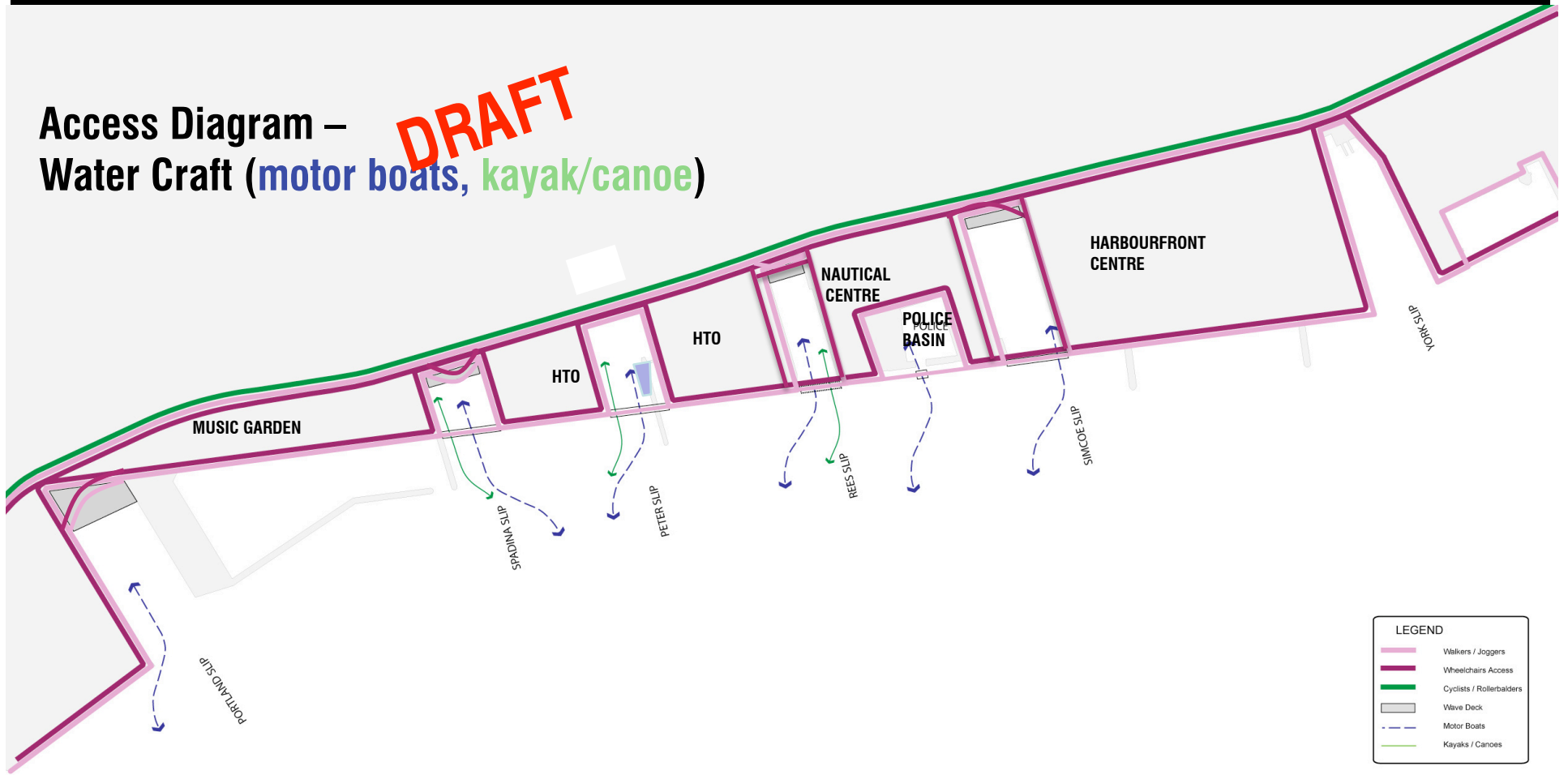
DRAFT



| LEGEND | |
|--------|-------------------------|
| | Walkers / Joggers |
| | Wheelchairs Access |
| | Cyclists / Rollerbalers |
| | Wave Deck |

0 100 250 500 m

Access Diagram – **DRAFT** Water Craft (motor boats, kayak/canoe)

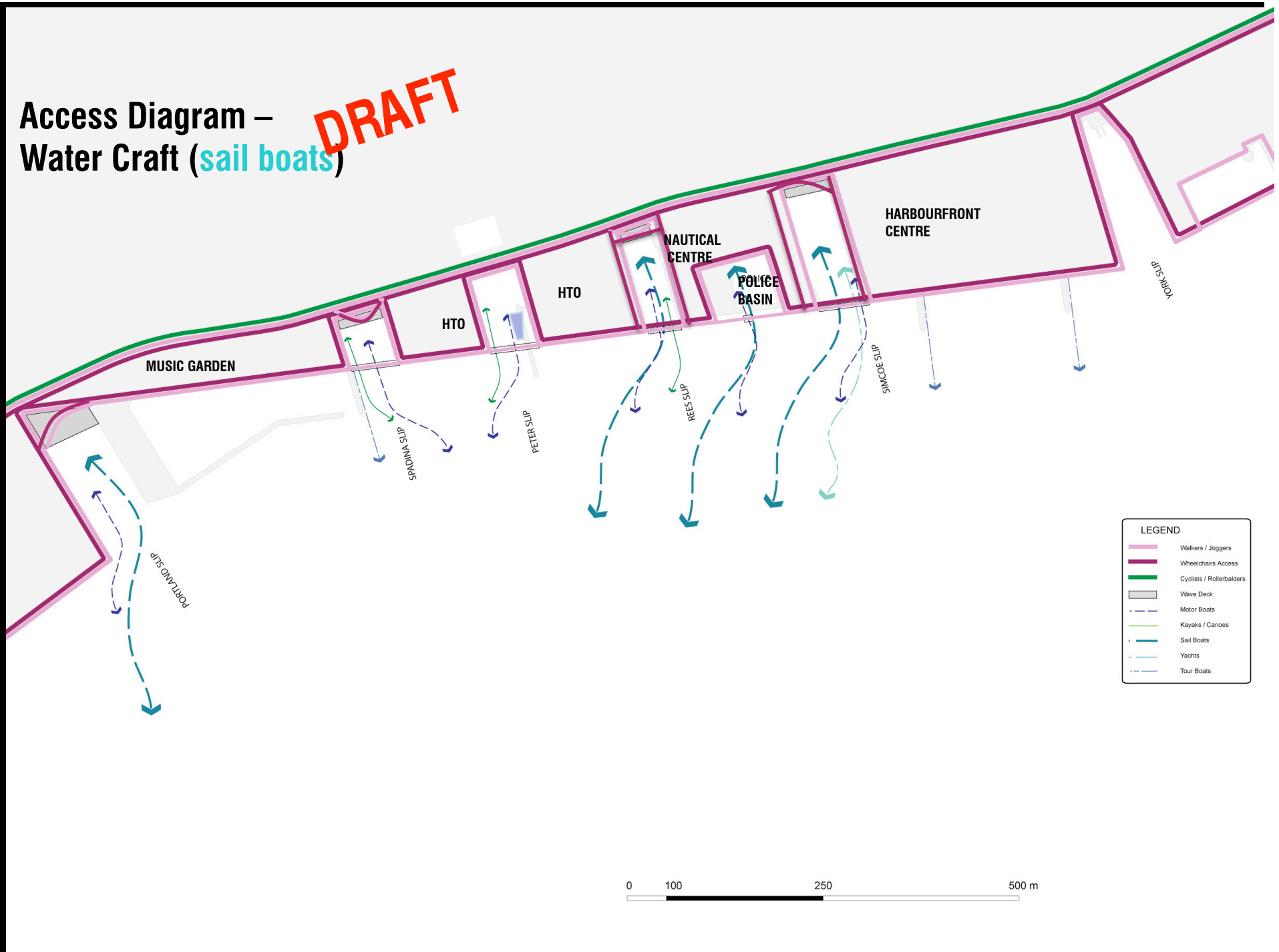


| LEGEND | |
|--------|--------------------------|
| | Walkers / Joggers |
| | Wheelchairs Access |
| | Cyclists / Rollerballers |
| | Wave Deck |
| | Motor Boats |
| | Kayaks / Canoes |



Access Diagram – Water Craft (sail boats)

DRAFT



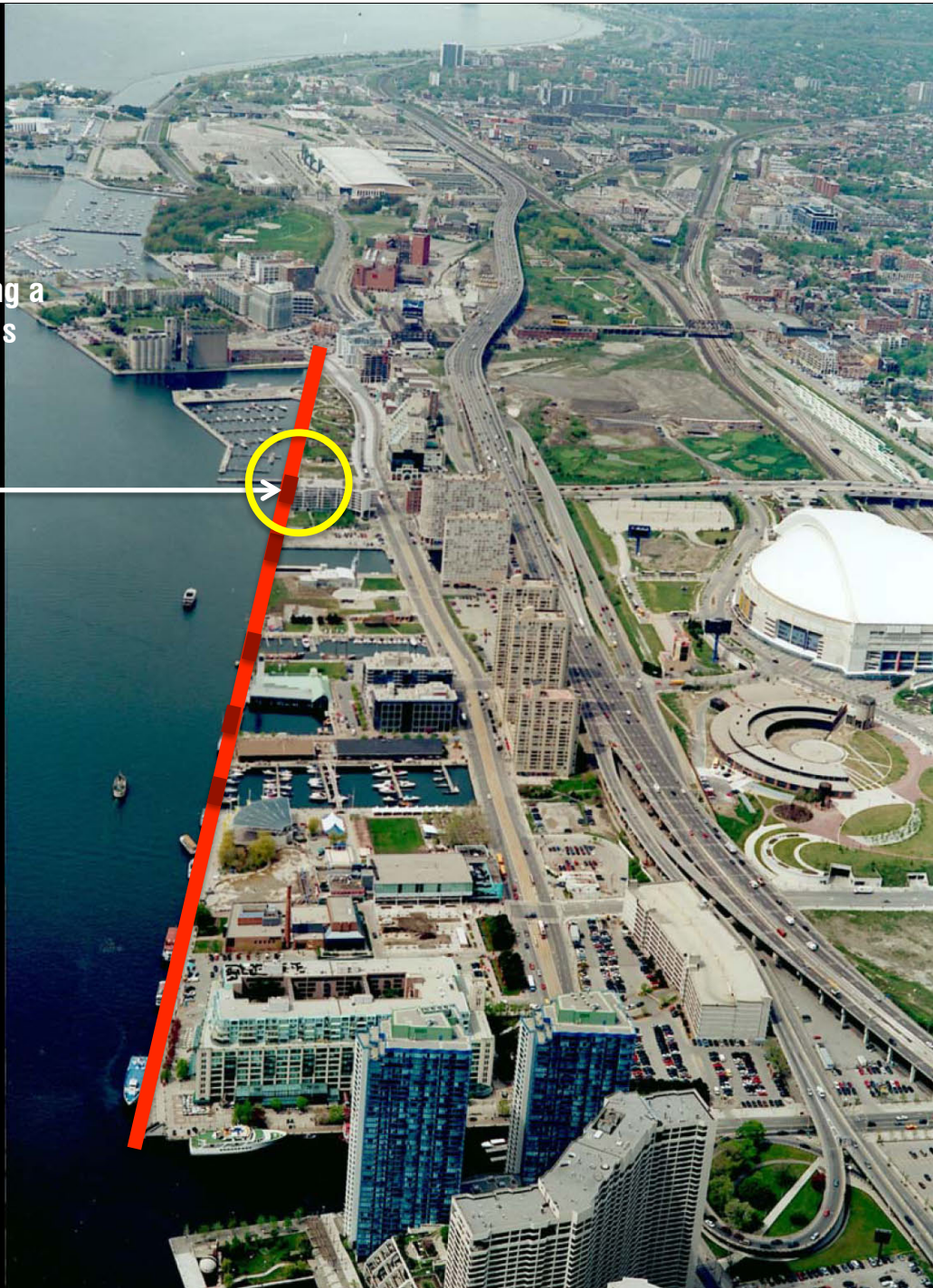
| LEGEND | |
|--------|-------------------------|
| | Walkers / Joggers |
| | Wheelchairs Access |
| | Cyclists / Rollerbalers |
| | Wave Deck |
| | Motor Boats |
| | Kayaks / Canoes |
| | Sail Boats |
| | Yachts |
| | Tour Boats |

0 100 250 500 m

Spadina Bridge

First Pedestrian Bridge along a proposed continuous water's edge promenade.

SPADINA BRIDGE





Lower Spadina Avenue

Queens Quay Blvd

Spadina Quay
Wetland
Park

401
Queens
Quay

Spadina WaveDeck
(already completed)

HTO Park

Existing Public Promenade

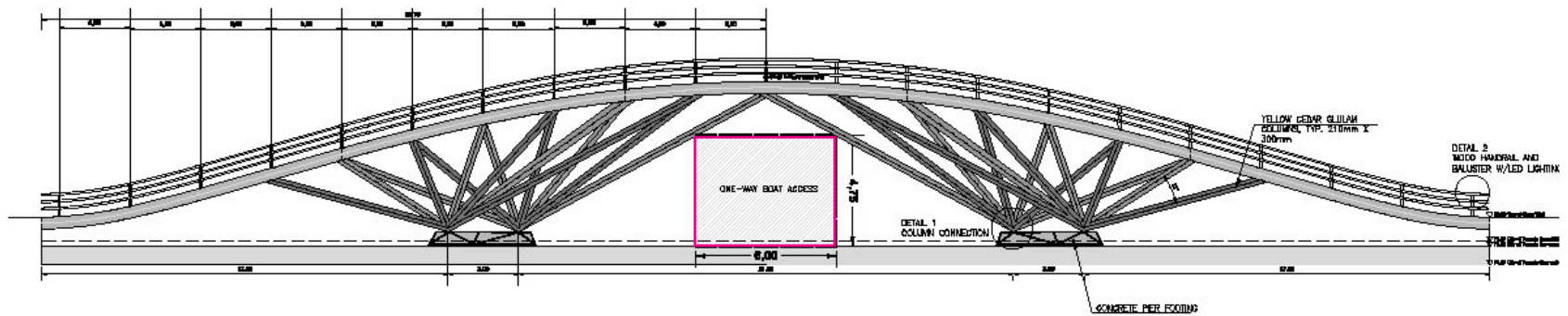
Spadina Bridge

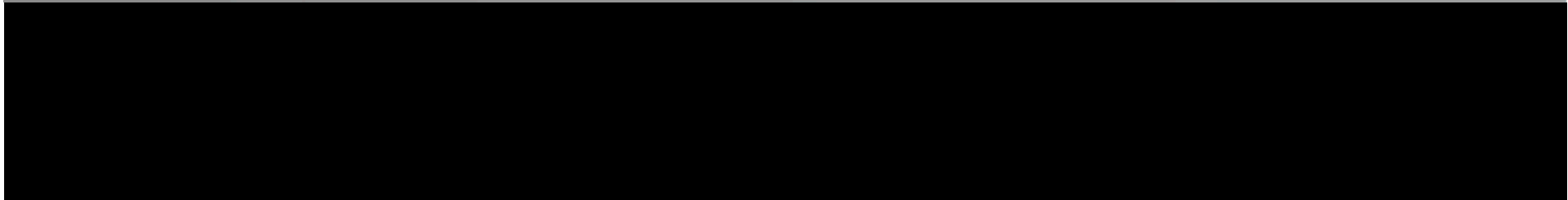
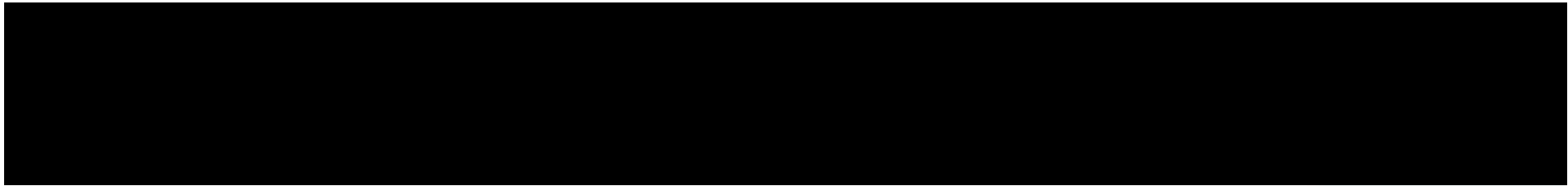


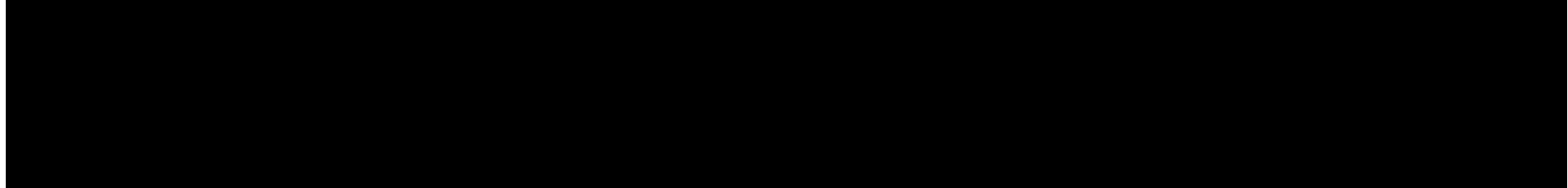
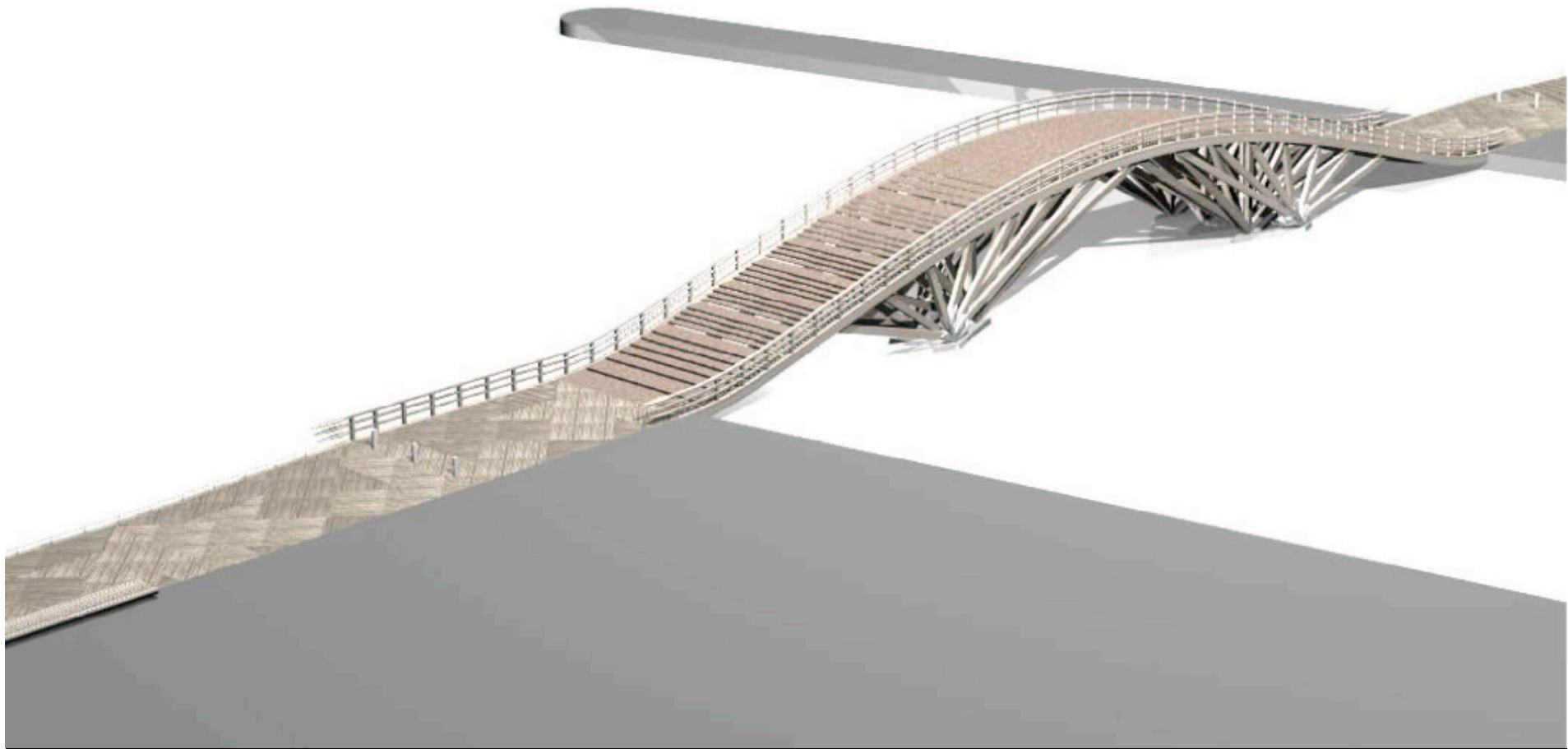
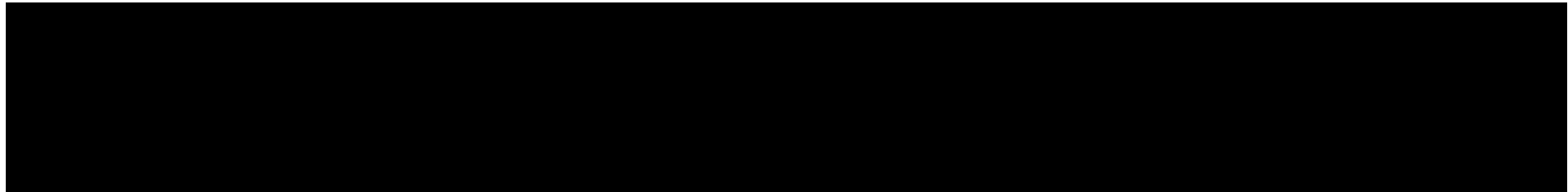




ARCH TO ALLOW 4.75m CLEARANCE - PASSAGE FOR MOTOR BOATS INTO SLIP

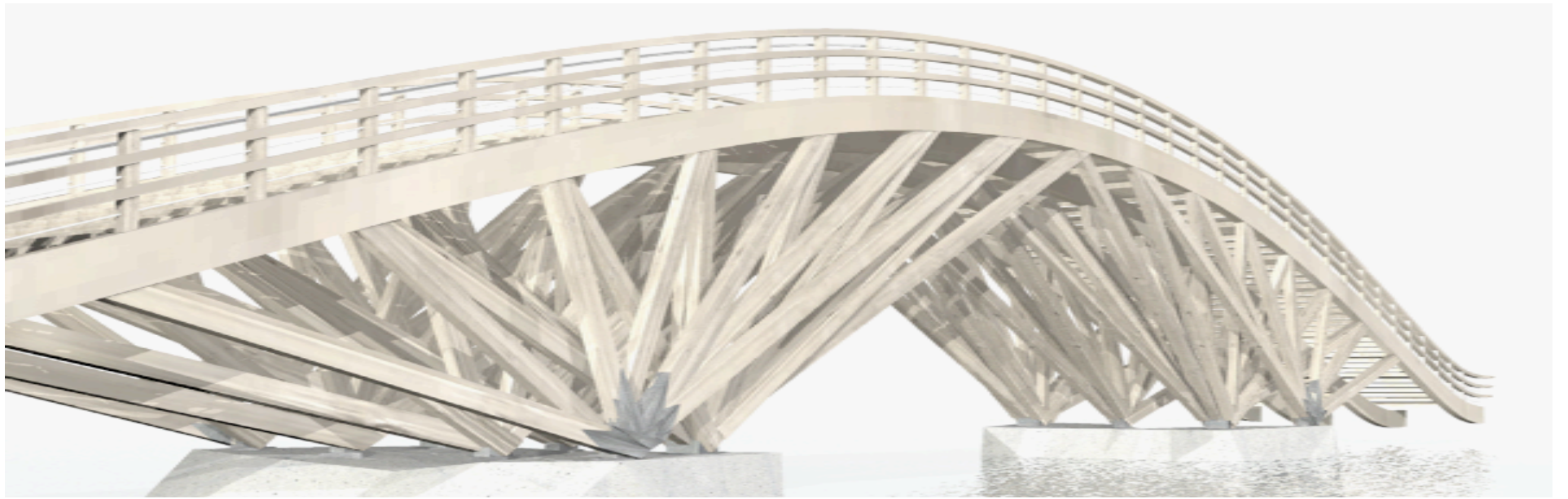








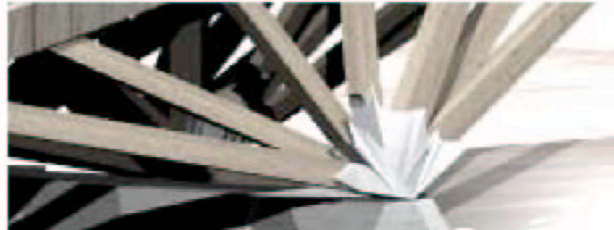


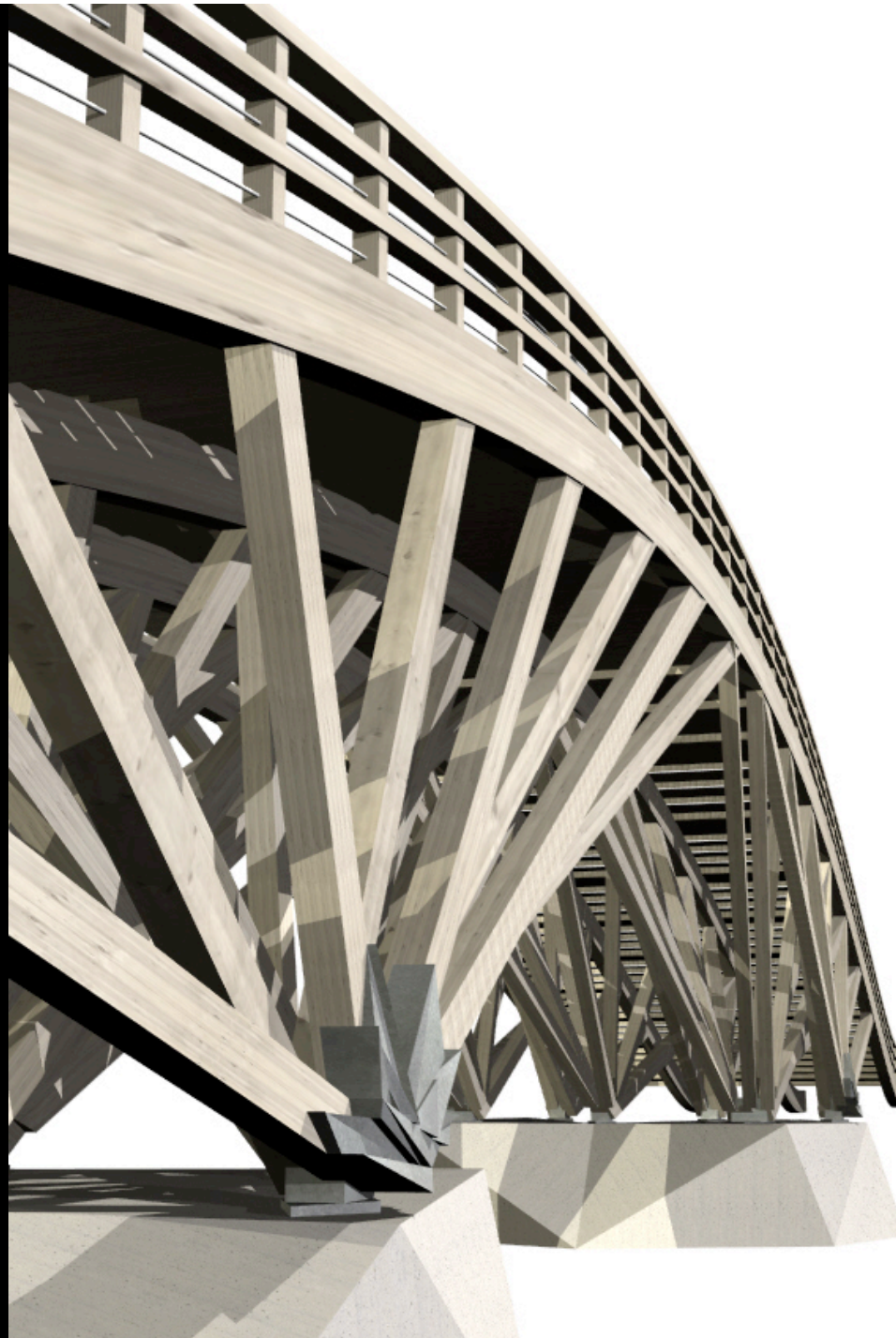


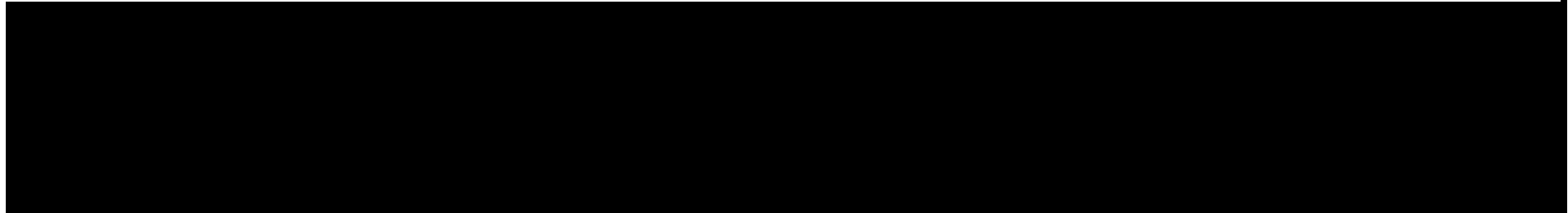
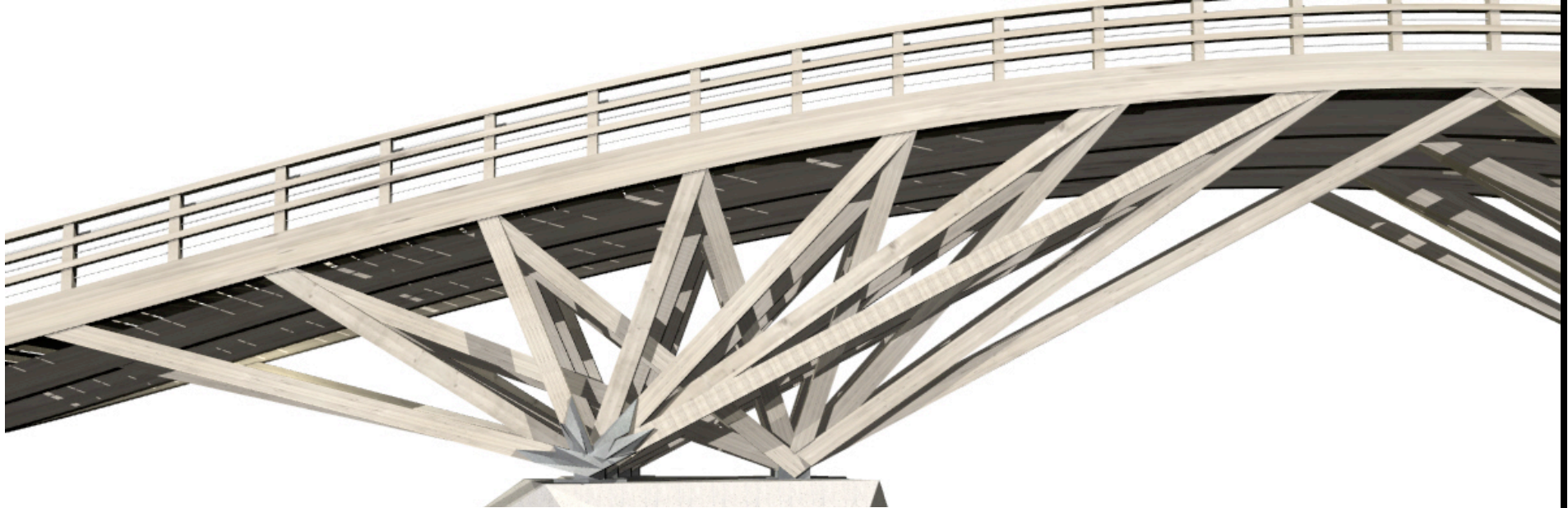


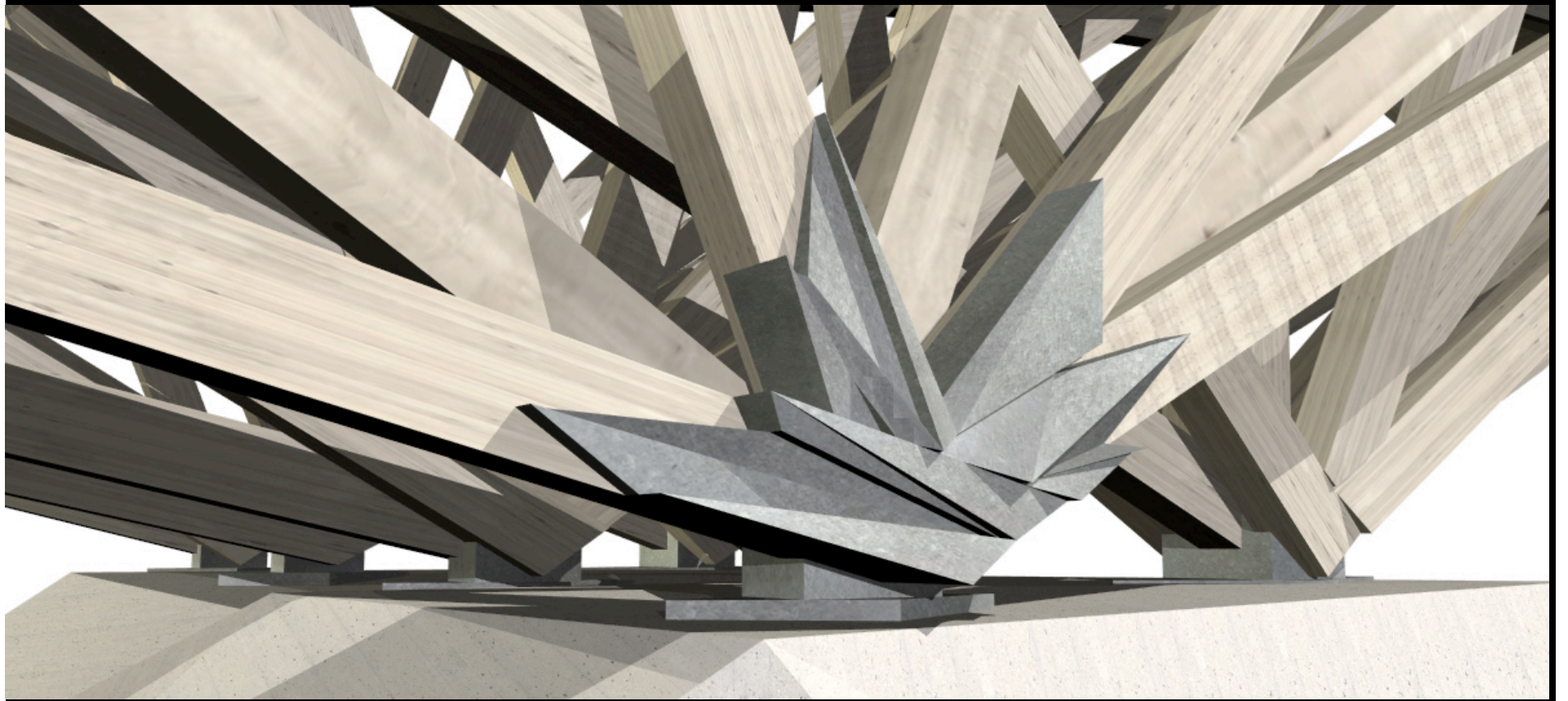


LEAF DETAIL AT NODE CONNECTION

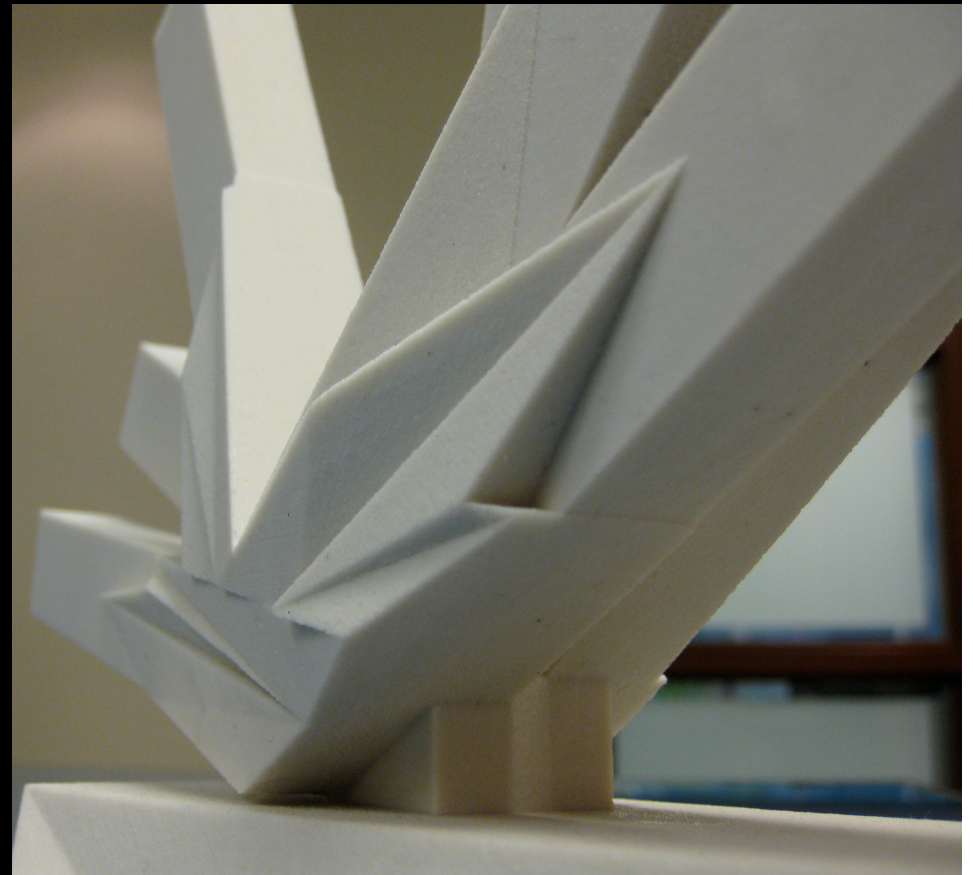
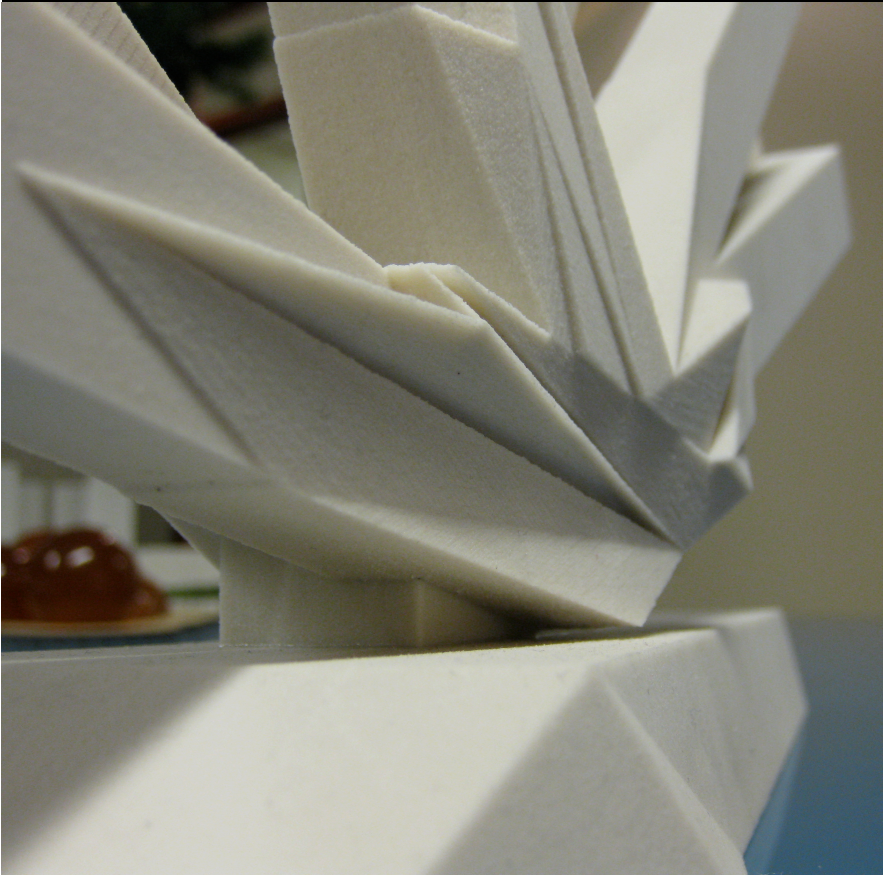








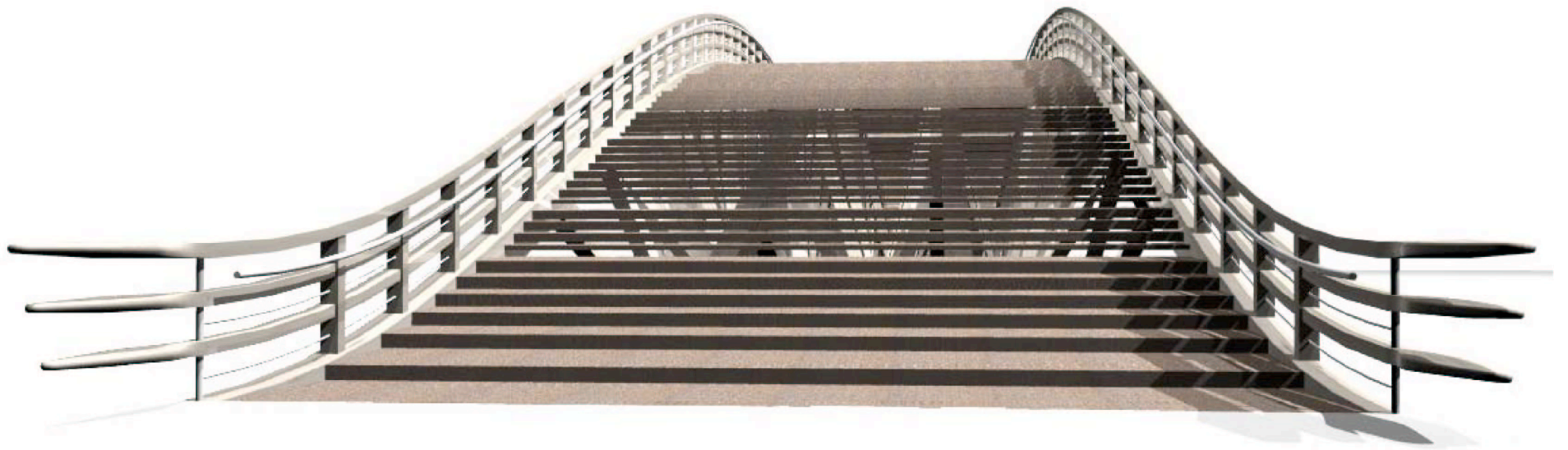
Node Connection – Leaf Cover Plate

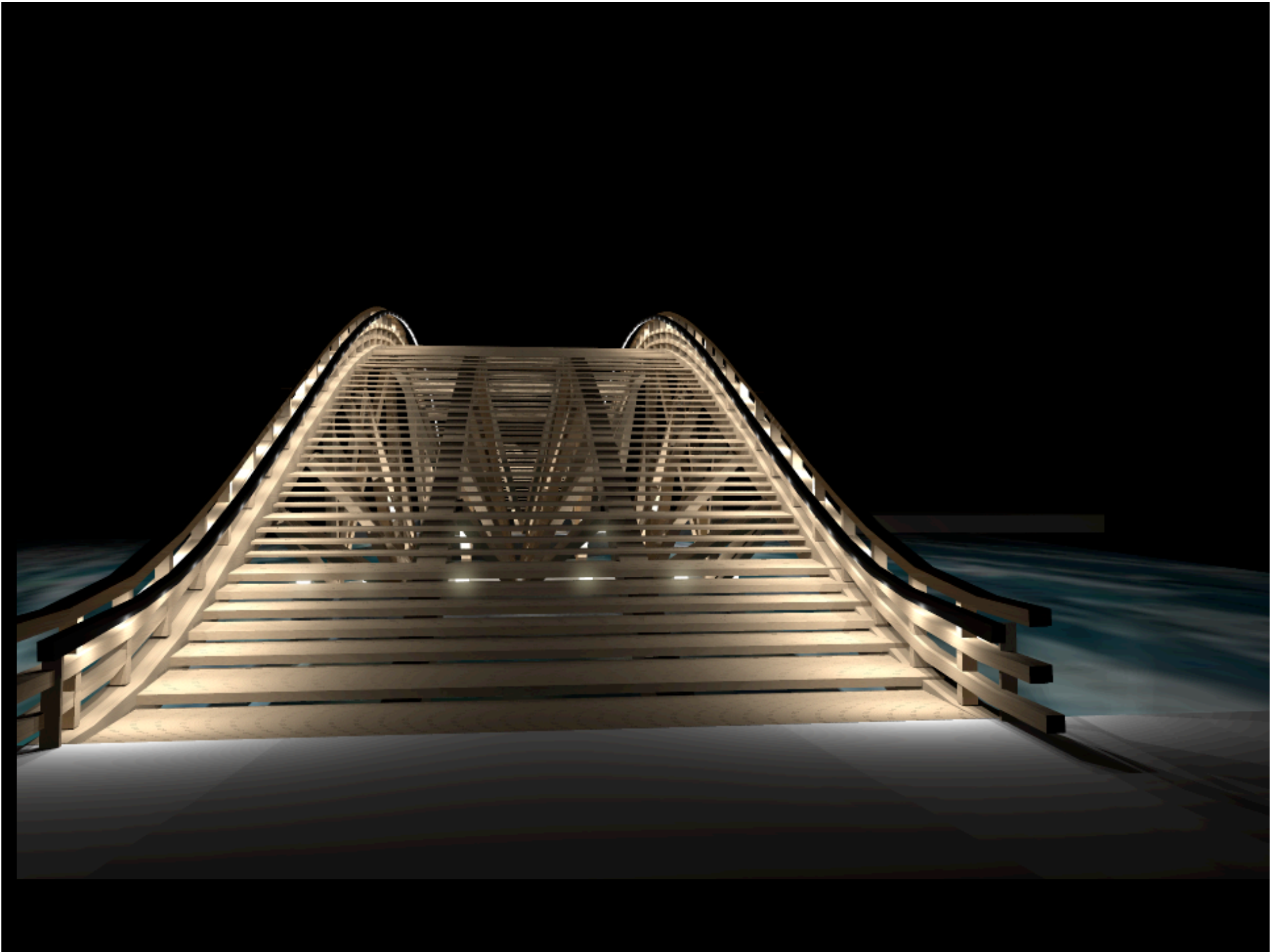


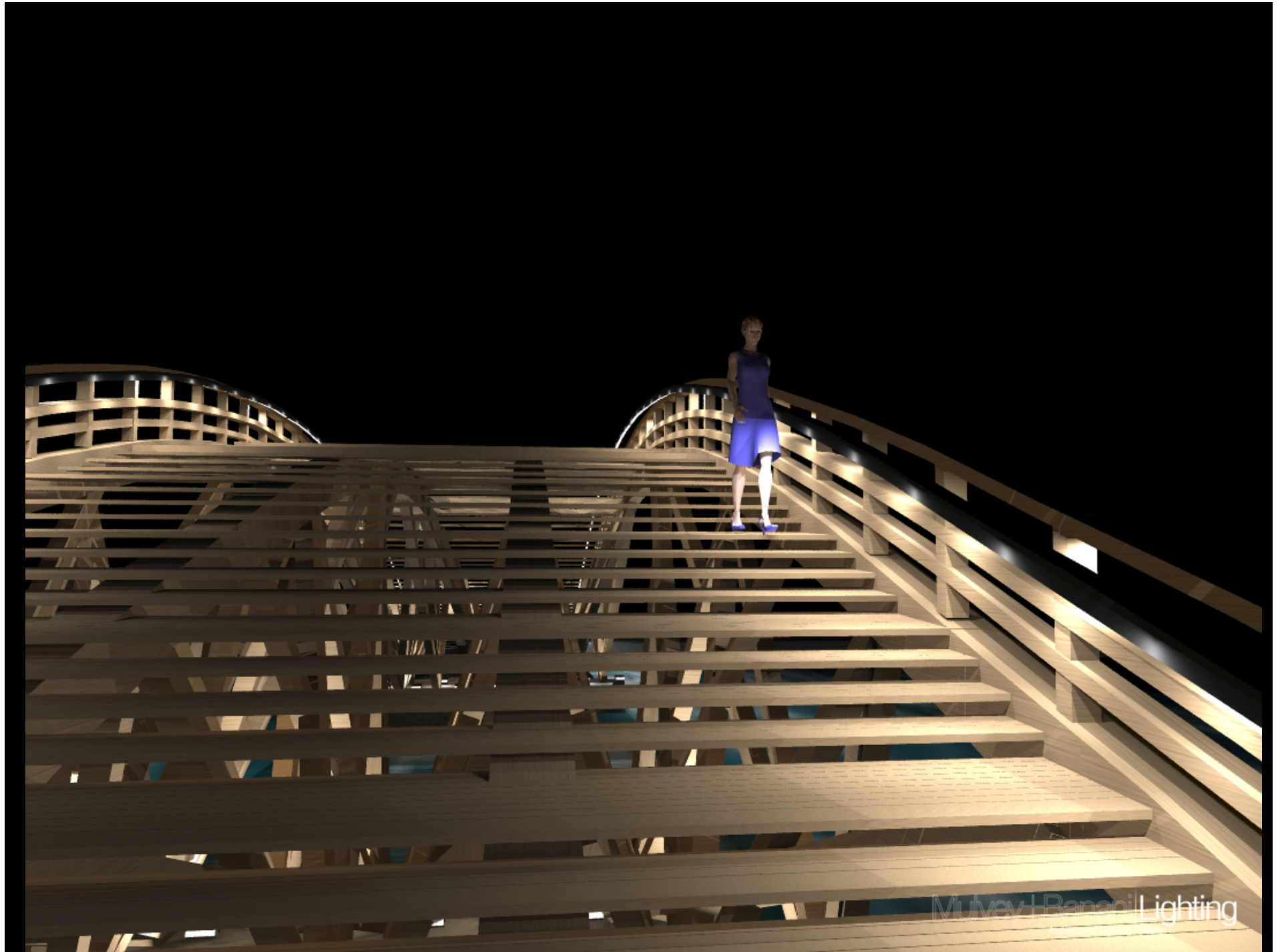
Handrail Terminus











Mulvey + Bonani Lighting

