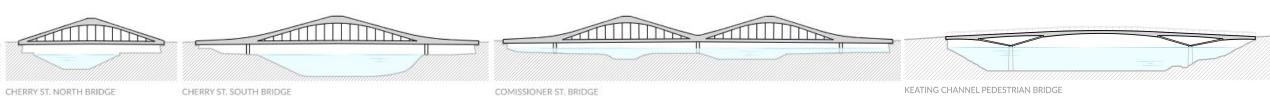




1. Design Based on Indigenous Principles



2. Maamawi' as part of the Port Lands Bridges Family





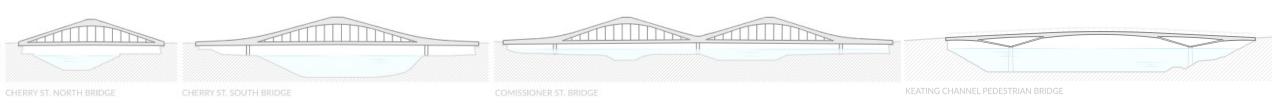




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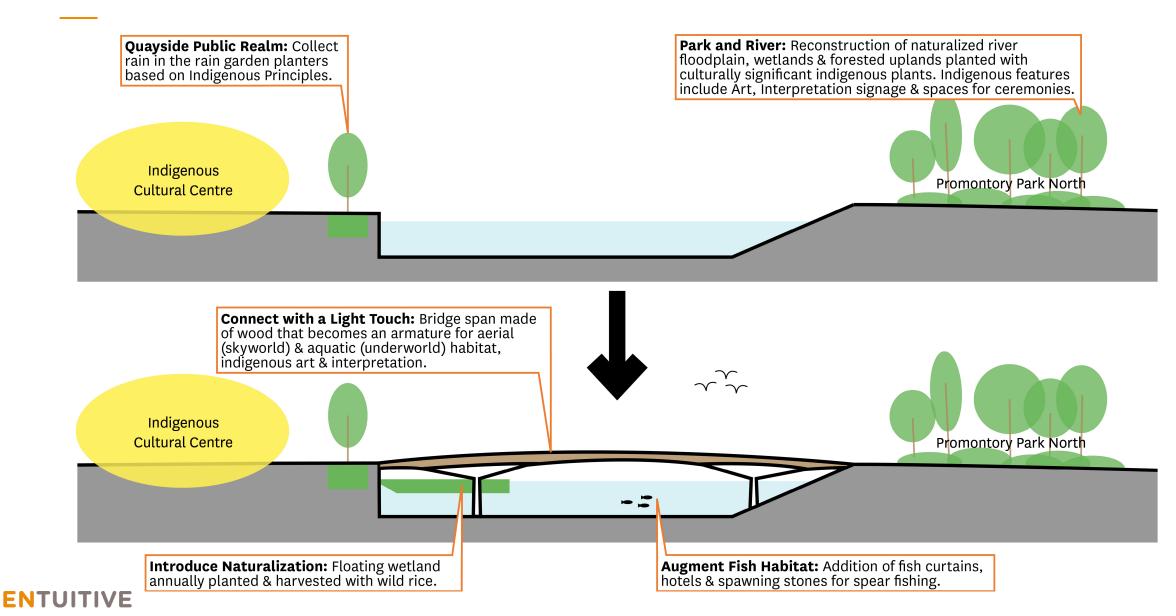








Connecting Indigenous Principles, Features and Programming



Building on Indigenous Principles

1 All Our Relations

We are all integrated and interconnected with nature and all that surrounds us.

Planning for the Seventh Generation

We are mindful that the decisions we make today affect future generations after we are gone, and must be durable and maintainable.

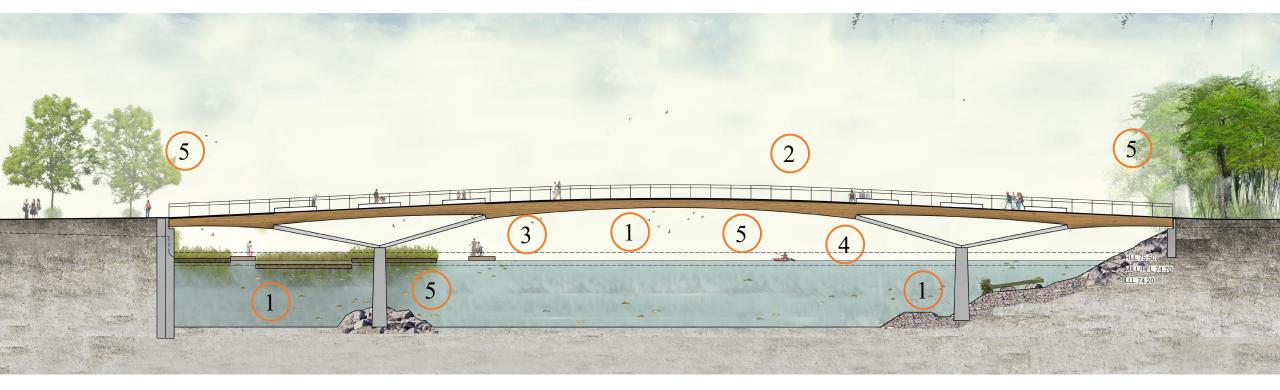
3) The Presence of Craft

We create beautiful structures with superior craftsmanship, apparent from the way in which they are made, celebrating material joinery.

4 Take Only What is Needed

We select and configure materials for their inherent strengths, achieving high strength:weight ratios so as to minimize waste. 5 Celebration of Indigenous Culture

We celebrate the seasons as reflected in the migratory patterns of birds and fish, planting and harvesting, and the changing landscape.



Creating Opportunities for Public Art and Interpretation

- Feature the work of a local Indigenous artist to present their work in a meaningful and impactful way.
- Focuses on points of connection and intersection as key public art sites.









Rolande Souliere Frequent Stopping



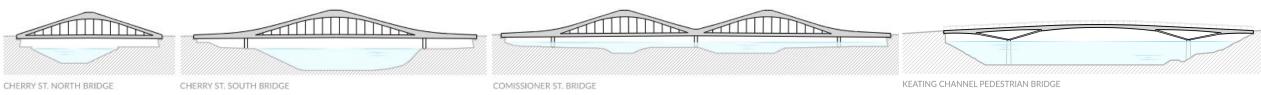




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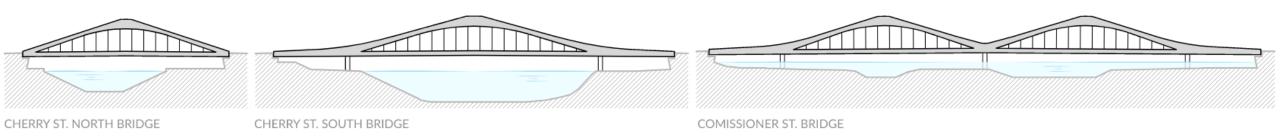


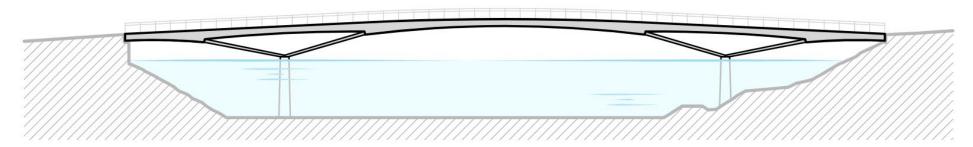


Beautiful, Distinct and Compliments the Existing Family of Bridges

Our proposed bridge has been designed as an inversion of the Port Lands bridges' typology of an above deck superstructure with a timber superstructure below deck.

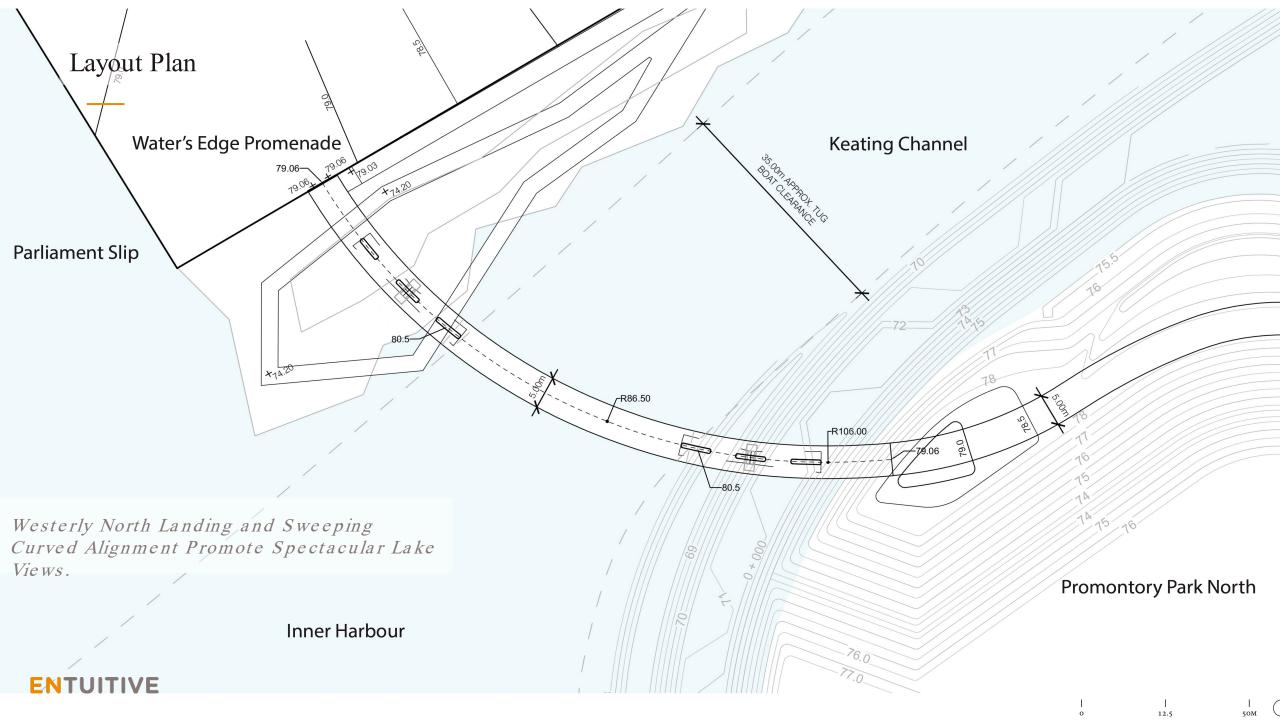
The elegant, smooth and modern form is consistent with the 'City of the Future' design mandate for the Port Lands bridges.





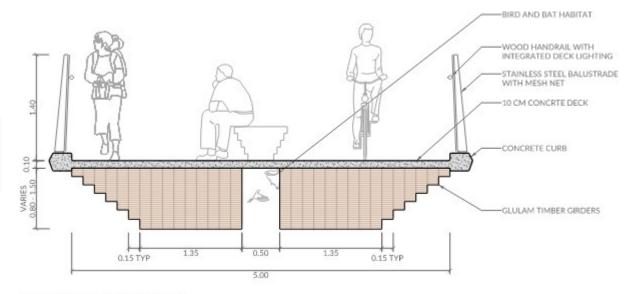
KEATING CHANNEL PEDESTRIAN BRIDGE - MAAMAWI'



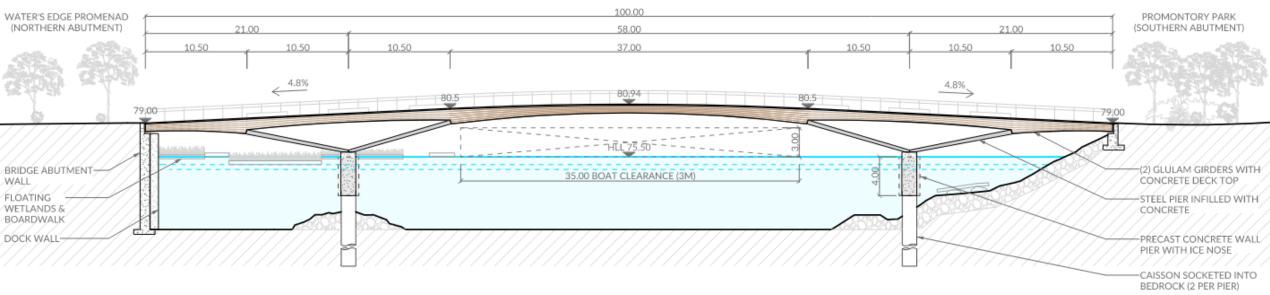


Bridge Sections

Laminated Timber Elegantly Shaped to Efficiently Span the Channel



CROSS SECTIONS 1:50

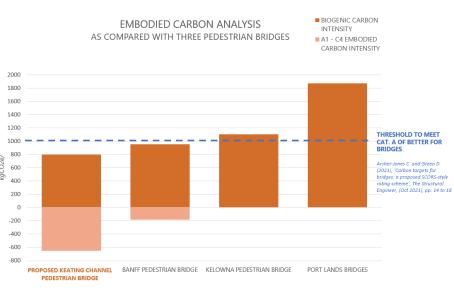


PROFILE SECTION 1:350



Sustainability Integral to Every Aspect

By intertwining Indigenous teachings and modern innovation, Maamawi' demonstrates sustainability that is integrated into each aspect of the design.



LOW CARBON
TIMBER GIRDERS

D DURABLE DETAILS - FAST DRYING &
MOISTURE PROTECTION

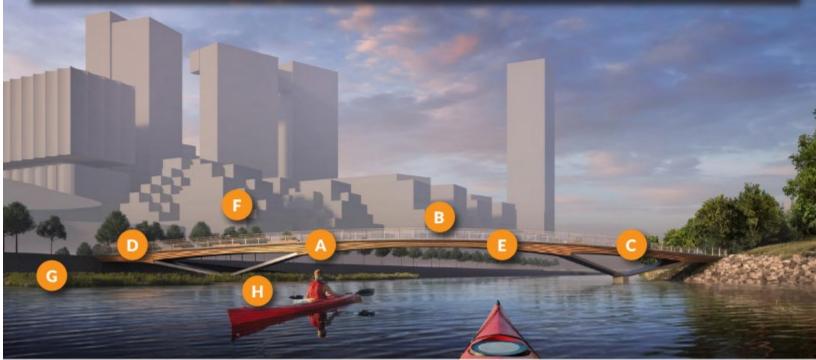
LOW CARBON DURABLE

SLENDER FORM REDUCES

CONCRETE TOPPING

MATERIAL NEEDS

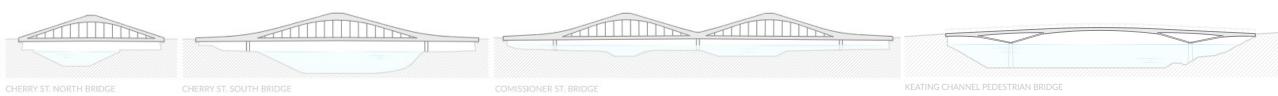
- CLIMATE RESILIENT FLOOD LEVEL HEIGHT
- SUSTAINABLE LIFE-CYCLE
 MAINTENANCE CONSIDERATIONS
- WETLAND SPACE FOR HABITAT
- CULTURAL CONNECTION
 ENABLES TRADITIONAL WILD
 RICE HARVESTING BY CANOE



1. Design Based on Indigenous Principles



2. Maamawi' as part of the Port Lands Bridges Family











A Forward-Thinking Approach to the Future Context



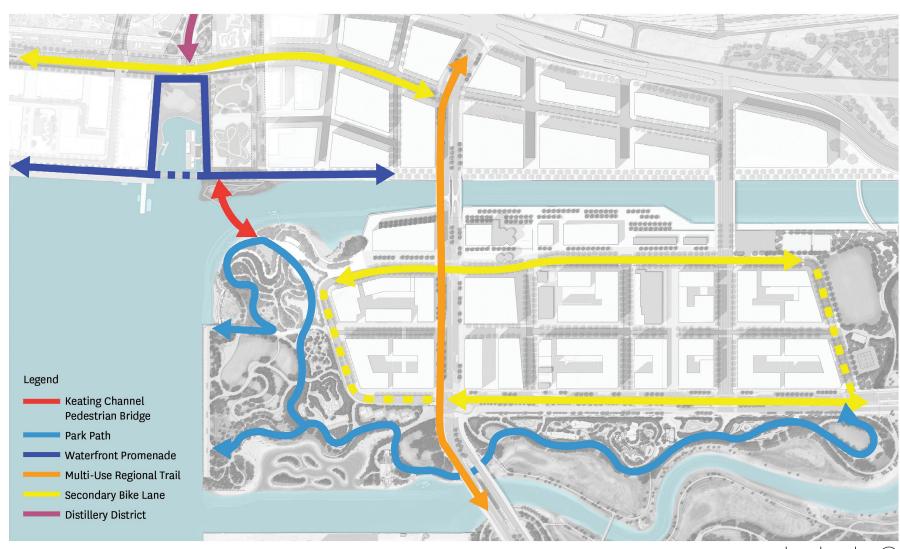




Provides Safe, Direct and Equitable Access between the City and Villiers Island

- Landing site shifted west to effortlessly link Promontory Park North with the Indigenous Cultural Center plaza and Water's Edge Promenade.
- Graceful curve and 5m width naturally slow cyclists to provide a safe and comfortable experience for all visitors.

As a pair, the Keating Channel and Cherry Street bridges give visitors flexibility to choose a pace that works for them.

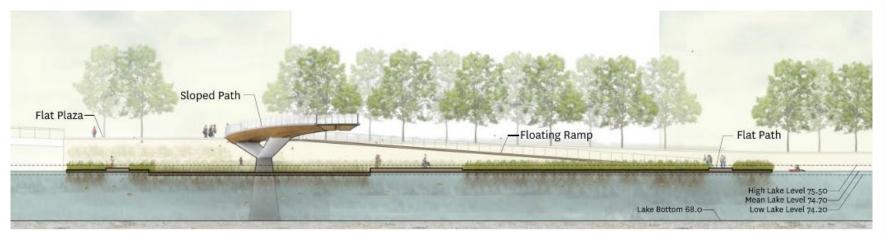




Inclusive, Accessible, Comfortable Experience for all People of all Ages and Abilities

A universal and equitable approach is one that does not differentiate between members of the public – everyone is welcome to the bridge in the same way.

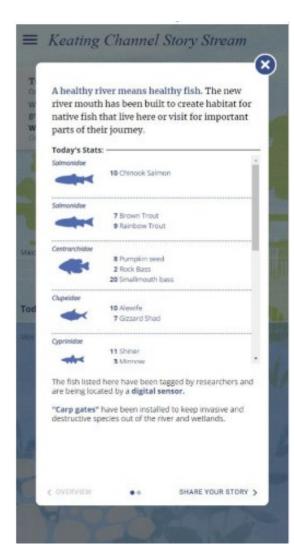
- Singular, barrier-free path of travel along the bridge unites the community in shared experience.
- Lifting of dock wall and Water's Edge Promenade to meet the bridge landing provides a universally accessible transition onto north landing site and a seamless transition to a gently sloped Parliament Slip bridge to the west.
- Seating is placed strategically along the bridge to provide places for rest and relief.
- Integrated lighting in the handrails provides high indication of the path of travel.





77.10

Innovative Approaches to Creating Connection



SCAN THE QR CODE TO SEE:



HISTORIC DEVELOPMENT OF THE TORONTO SKYLINE



LIVE CAMERA FEED OF BARN & CLIFF SWALLOW NESTING BENEATH DECK



HISTORY OF THE FORMATION OF THE KEATING CHANNEL



HISTORIC DEVELOPMENT OF THE TORONTO ISLANDS



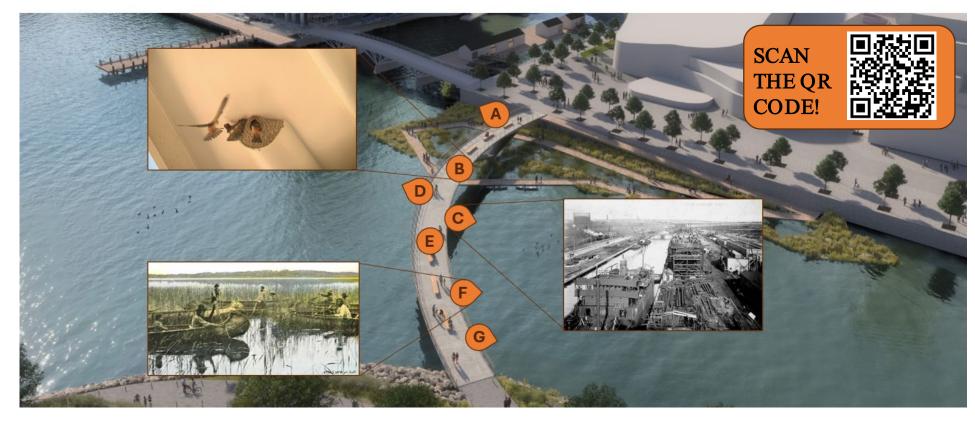
LIVE CAMERA FEED OF THE FISH NESTING HABITAT AT THE BRIDGE PIER



ACCOUNT OF AREA AS HISTORIC HUNTING & FISHING TERRITORY OF INDIGENOUS PEOPLES



DEVELOPMENT OF THE VARIOUS PORTS AND THEIR HISTORICAL USES



Incorporates and Integrates with Landscape, Biodiversity, and Ecosystem Resilience

