

Welcome to the Eau Claire Public Realm Open House

Investing in the future of Eau Claire, Prince's Island, Chinatown and the East Village is a fundamental piece of The City's Downtown Strategy – the effort to support and incentivize private investment, generate visits and spending, and provide amenities and services to enhance the quality of life for people living and working in Calgary's downtown.

Updating our downtown's interface with the Bow River goes beyond designing improved pathways and public spaces. It involves a flood mitigation effort that will increase the resilience of our downtown and protect the economic drivers of our economy.

We are undertaking multiple, connected projects that focus on connectivity and resiliency by creating great spaces to live, work and play.

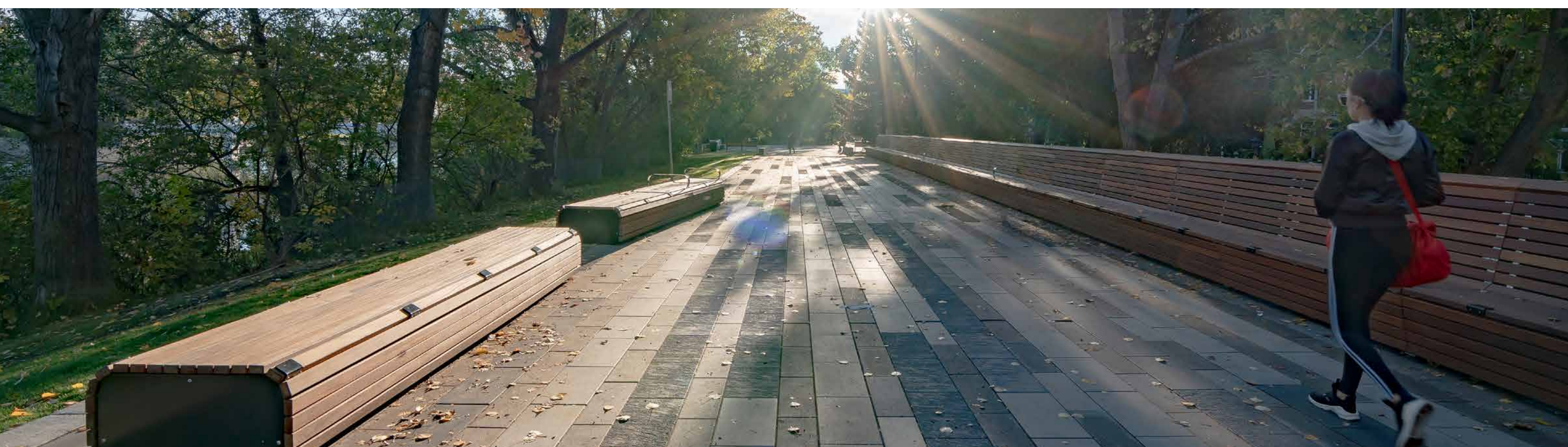
We are committed to:

- Improving connections in to and out of Eau Claire, and downtown as a whole, whether you travel by foot, bus, and bike.
- Building on Eau Claire's character to create great spaces to live, work, play, and shop.
- Planning for the near- and long-term to deliver thoughtful growth and development in the area.

The purpose of this event is to:

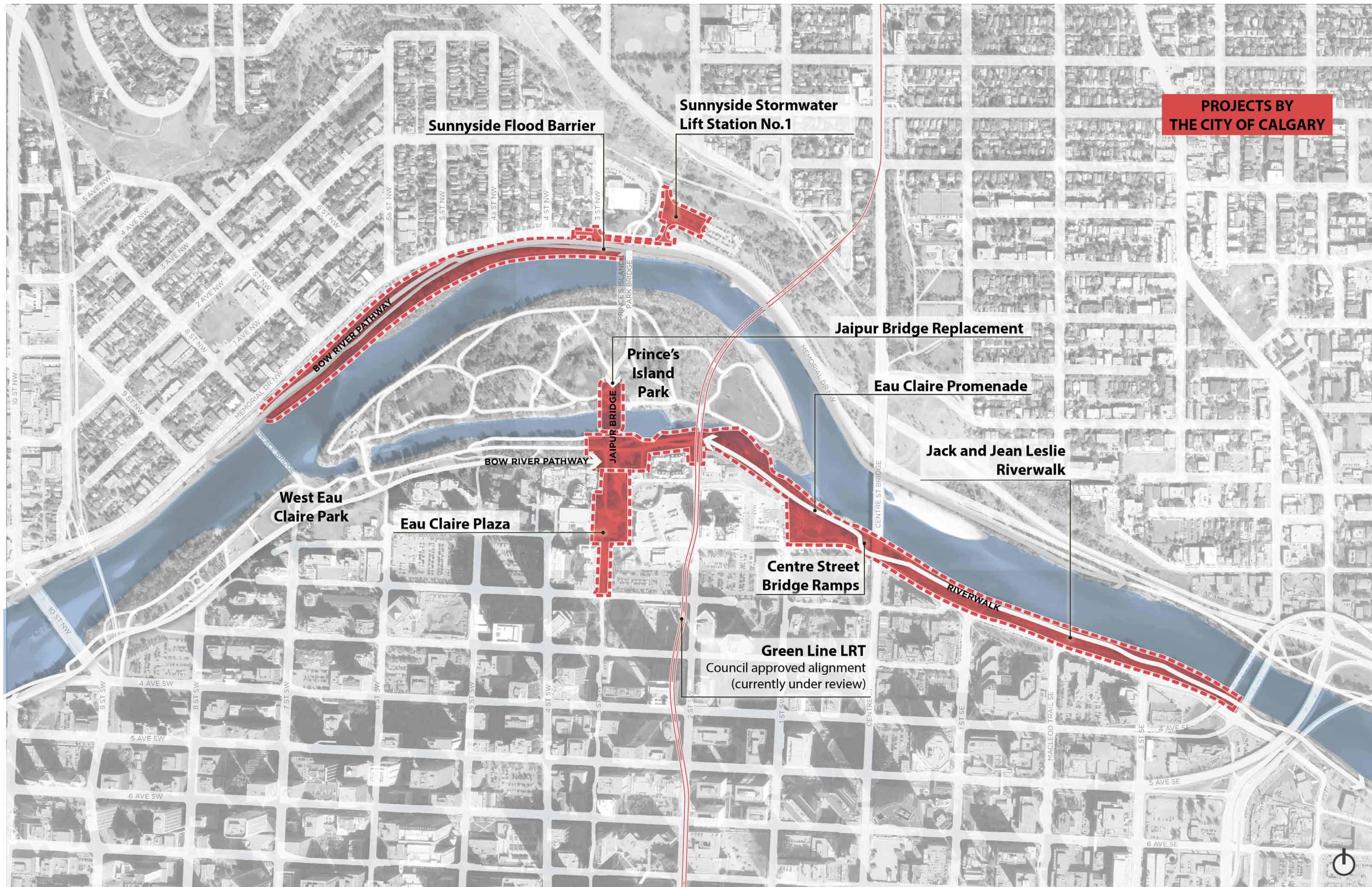
- Learn about projects happening in your community between 2019-2022 and talk with City project team members.
- Provide feedback on proposed designs for Eau Claire Plaza.

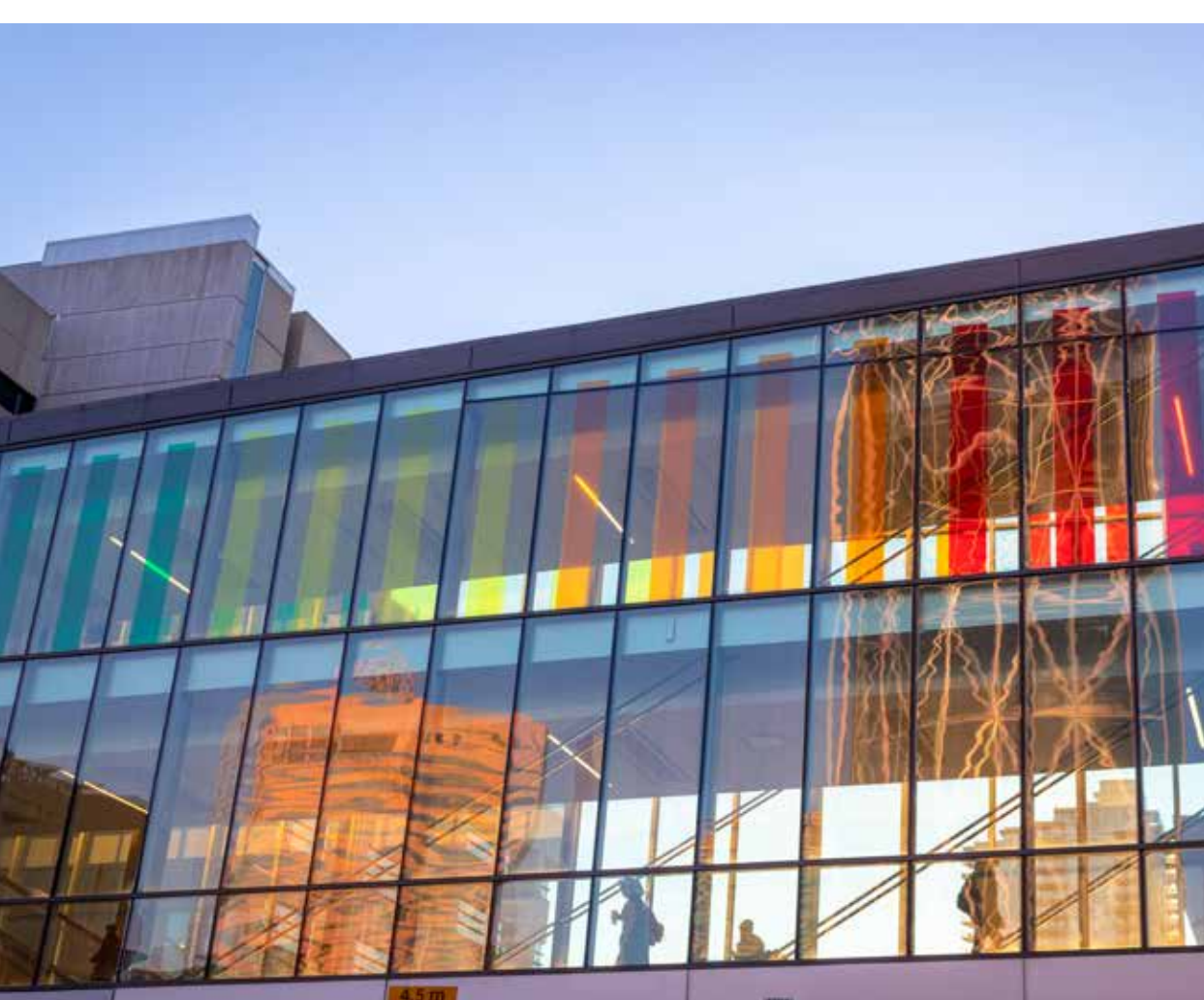
City staff are on hand to answer your questions. Additional information about Eau Claire area projects can be found online at calgary.ca/eauclaire





Eau Claire Area Projects





Calgary's Downtown: Core to our city's vibrancy and economic resilience

Calgary is a dynamic and resilient city, and The City of Calgary and its partners are committed to our economic recovery to make life better every day for citizens, customers, communities and businesses.

To help support economic recovery, we've created a downtown strategy, endorsed by City Council, to ensure that there is a concentrated focus and coordinated effort on the economic and cultural opportunities in the downtown to drive a thriving local economy.

The Downtown Strategy includes four outcome areas important to a vibrant downtown and our city's economic resilience:

- 1. Place** – a destination experience
- 2. Work** – supporting business success
- 3. Live** – ensuring quality neighbourhoods
- 4. Connect** – people, goods, information and ideas

We are striving to support and incentivize private investment in business and buildings, align programming that generates visits and spending in the downtown, and provide amenities and services to enhance the quality of life for people living and working in the downtown.

Our focus is on vibrancy - not only vacancy. We want to make the Downtown a welcoming, inclusive and thriving place for ALL – a destination for Calgarians and visitors alike.

Downtown is Calgary's Community.

[Calgary.ca/Downtown](https://calgary.ca/Downtown)
[#downtownyc](https://twitter.com/downtownyc)



Eau Claire/Chinatown/ East Village Area Projects

Eau Claire Promenade

The Eau Claire Promenade extends from West Eau Claire Park eastwards to the Jack and Jean Leslie Riverwalk and will create a safe, efficient and beautiful riverfront promenade and cycle network that integrates flood protection into a space that connects Calgary's downtown with the Bow River.

Please stop by the Promenade station to learn more about the project and review the proposed design.

Centre Street Bridge Ramps

The pedestrian ramps connecting the Eau Claire Promenade to the Centre Street Bridge are nearing the end of their lifecycle and need to be replaced. New ramps will be designed to make it easier for pedestrians to navigate this connection and will be completed in alignment with Eau Claire Promenade flood mitigation work and pathway improvements.

Eau Claire Plaza

The Eau Claire Plaza is being redesigned to integrate into the vibrant, mixed use Eau Claire community and with the Eau Claire Promenade and Prince's Island. This new design will embrace everyday community gatherings and have the capacity to host events and experiences that invite the participation of community members, Calgarians and visitors. It will be a space of wonder, a place grounded in history, and the porch space for social and cultural gatherings in Eau Claire.

Please stop by the Plaza station to learn more about the project and provide feedback on a proposed design.



Eau Claire/Chinatown/ East Village Area Projects



Jaipur Bridge Replacement

Jaipur Bridge is the main south access to Prince's Island Park. It's over 50 years old and needs to be replaced. A new bridge will improve access to Prince's Island Park, one of Calgary's most popular park destinations. Its design will be coordinated with the new design of the Eau Claire Promenade.

Please stop by the bridge station to learn more.



Sunnyside Flood Barrier

The Sunnyside Flood Barrier project is currently in preliminary design where we are exploring various community flood barrier options to enhance flood mitigation in Sunnyside. This stage consists of engineering studies and surveys to help inform various options and gathering feedback from the community. This fall, The City will begin evaluating the barrier options that considers the social, economic and environmental impacts. A recommended option will be shared with the community in winter 2020 and confirmed by Council in spring 2020.

Sunnyside Stormwater Lift Station No. 1

The new Sunnyside storm lift station will be located at 200 Memorial Drive N.W. between the Calgary Curling Club and the Calgary Parking Authority (CPA) parking lot. The new lift station will alleviate localized flooding in the south east area of Sunnyside as well as overland flooding on Memorial Drive N.W., keeping it open for emergency services, citizens and City trouble crews. Construction started in June 2019.

Green Line LRT

Segment 2 – Centre City Route Evaluation

The City is re-evaluating Segment 2 (Centre City) that runs between 16 Avenue N to the community of Ramsay to bring the project within a capital budget of \$4.903 billion, manage risk and achieve the vision of the Green Line.

The purpose of this evaluation is to deliver an affordable project that connects communities in the north and the south, delivers benefits to Calgarians, and leverages the investment in LRT infrastructure to support City Shaping outcomes and redevelopment in established communities.

Within segment 2 we are investigating options that:

- Shorten the length of the tunnel and reduce the number of underground stations, bringing more of the route to surface.
- Retains an underground section in the Downtown core to go under 7 Ave S LRT and CP tracks, and key east/west avenues.
- Changes construction means and methods to reduce the depth of the underground section.
- Options for crossing the Bow River, including a bridge.
- Review opportunities of routes on adjacent streets or avenues.

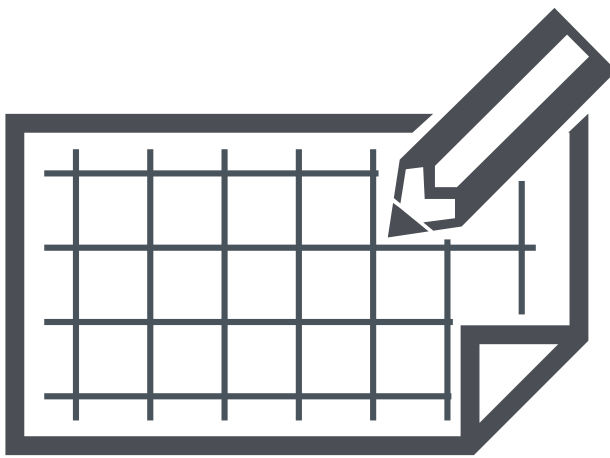
Green Line LRT

There are four phases in this evaluation:



Phase 1

- Was completed in September 2019 and included: evaluating route options, filtering out options that are not affordable, do not manage risk, or do not meet the project vision of connecting communities.



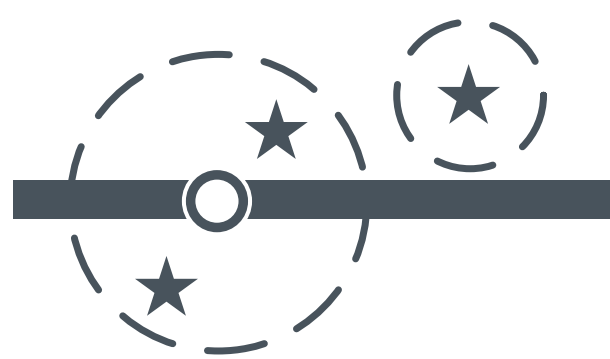
Phase 2

- We are currently entering Phase 2 where we will evaluate the identified affordable route option/options. We will evaluate against items such as:
 - Construction cost
 - Utility impacts
 - Land impacts
 - LRT operations
- Additional considerations including traffic, site access and circulation, integration into the urban realm, and stakeholder sentiment.



Phase 3

- We will be advancing reference concept design of the recommended route and undertaking key stakeholder engagement to understand their interests, inform the design, and sharing information on the recommended route with the broader public and collect their sentiment to help Council make an informed decision.



Phase 4

- Additional work after bringing a recommendation to Council, working with key stakeholders on broader community integration to deliver the best outcome.
- We are confident that we will bring a recommendation to Council on the final recommended affordable route.



Eau Claire Public Realm Plan

The draft Eau Claire Public Realm Plan provides a comprehensive vision for the future of the Eau Claire Public Realm and is the guiding framework for projects happening in your community. It highlights key considerations, programs and elements that will allow Eau Claire area projects to capitalize on the many opportunities that exist in the area.

Vision

Connecting the heart of the river with the heart of downtown, the public realm will evolve toward pedestrian and multi-modal activity, embracing opportunities to invigorate the public realm with social activity and ecology.

For the City and Community

- Create spaces of various scales that provide for diverse users.
- Design for flexibility and adaptability.
- Embrace winter.
- Clearly connect Eau Claire Plaza and Promenade with complementary programming and spaces.
- Celebrate the area's history through the preservation and continued use of existing buildings and structures.

Resilient and Responsible

- Incorporate green infrastructure where possible to provide opportunities for stormwater cleansing and or infiltration.
- Incorporate efficient and programmable lighting.
- Utilize high quality, durable and beautiful materials and furnishing to create an authentic and timeless sense of space.
- Incorporate flood mitigation along the Eau Claire Promenade and Jack and Jean Leslie Riverwalk to protect the area from at least a 2013-level flood.

Active and Multi-modal

- Plan for temporary programming/installations by providing necessary infrastructure and space.
- Utilize comfortable micro-climates to create places for interaction and rest. Provide broad space for pedestrian movement.
- Extend the separated cycle path from West Eau Claire Park through to Jack and Jean Leslie Riverwalk.

Project Impacts

Construction of these projects will have a major impact on access to Prince's Island Park, Eau Claire Plaza, Eau Claire Promenade and Jack and Jean Leslie Riverwalk from Spring 2020 to Fall 2022. Flood mitigation and bridge lifecycling projects need to begin immediately and proceed uninterrupted to completion.

The City is currently working to find a solution that minimizes the impact that construction will have on residents, commuters, businesses and events. Unfortunately, there is no option that will allow for the area to function as it currently does, during construction.

Expected impacts include:

- Dust
- Noise
- Vibration
- Pathway and public space closures
- Relocation of events to other downtown locations

The City is committed to ensuring accessibility in the area for all Calgarians and visitors during construction periods. We are developing a construction plan and a detour plan that will minimize these impacts and allow people to move through and access sites in the area.

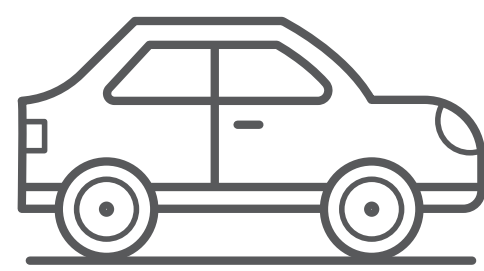
Please stop by the Eau Claire Promenade station to review preliminary construction and detour plans.



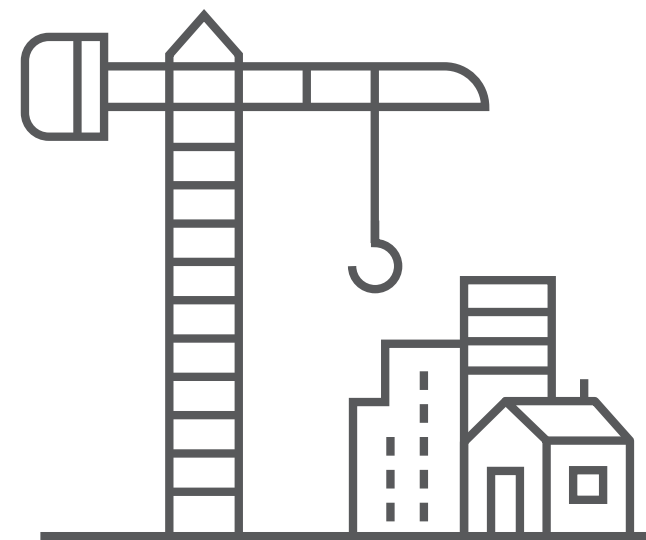
Impacts to residents

Noise and vibrations

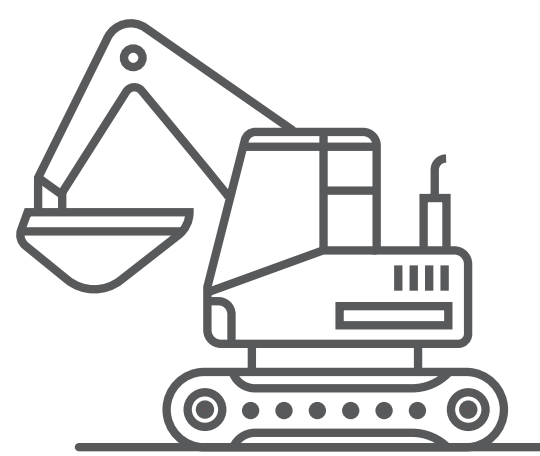
- Some noise is expected during normal operations. The noise level chart beside provides a comparison of sound levels.



Traffic
85 dB @ 15 metres

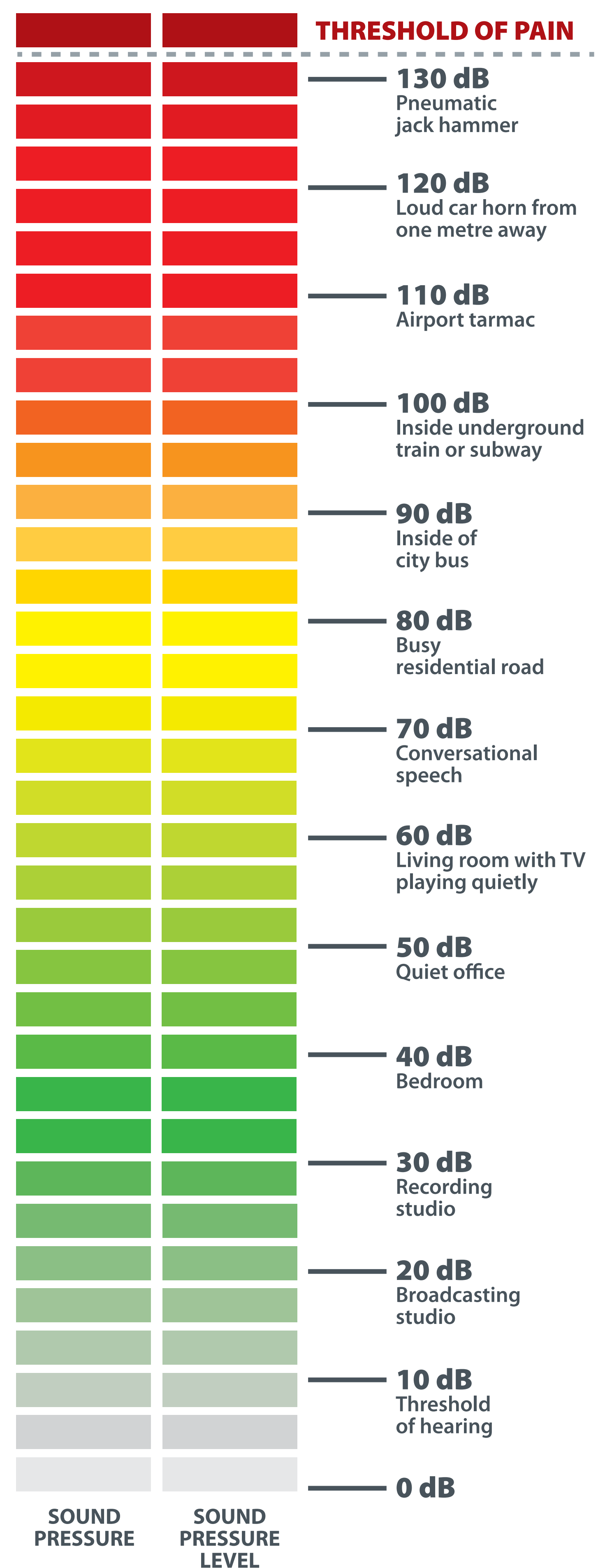


Construction crane
55 dB @ 15 metres



Excavator
55 dB @ 15 metres

Decibel level chart



Please visit the Eau Claire Promenade to view our construction map.

Construction timeline

Project	Q4 2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022
Eau Claire Promenade	Design	Design	Construction preparation	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction
Jaipur Bridge	Design	Construction preparation	Construction preparation	Construction	Construction	Construction	Construction					
Centre Street Bridge Ramps	Design	Design	Construction preparation	Construction								
Sunnyside Flood Barrier	Design	Design	Design	Design	Construction	Construction	Construction	Construction	Construction			
Sunnyside Stormwater Lift Station	Construction	Construction	Construction	Construction	Construction							
Eau Claire Plaza	Plaza is currently funded for design and partially for construction.											

* Construction timelines are all tentative and subject to change. Timelines may change based final design options, regulatory approvals, tendering processes, weather and other consideration.

Legend

- Design
- Construction preparation
- Construction

Replacing Jaipur Bridge

Building a new bridge

As the main south access to Prince's Island Park, the 50 year old bridge needs to be replaced.

A new bridge will keep this access open for the next 100 years. It will accommodate the needs of a growing downtown and one of Calgary most popular park destinations for citizens and visitors:

- Meets today's bridge design and engineering standards
- Flood resilient
- Fits with the new Eau Claire promenade and community
- Accommodates emergency vehicles

The new bridge – design criteria FOLLOWED

We followed six mandatory criteria when selecting the bridge type:

1. Meet today's bridge standards and guidelines
2. Meet today's accessibility requirements
3. Help increase the City's flood resiliency
4. Accommodate emergency vehicles
5. Minimize impact to residents, businesses and events, by limiting construction to one year
6. Stay within budget

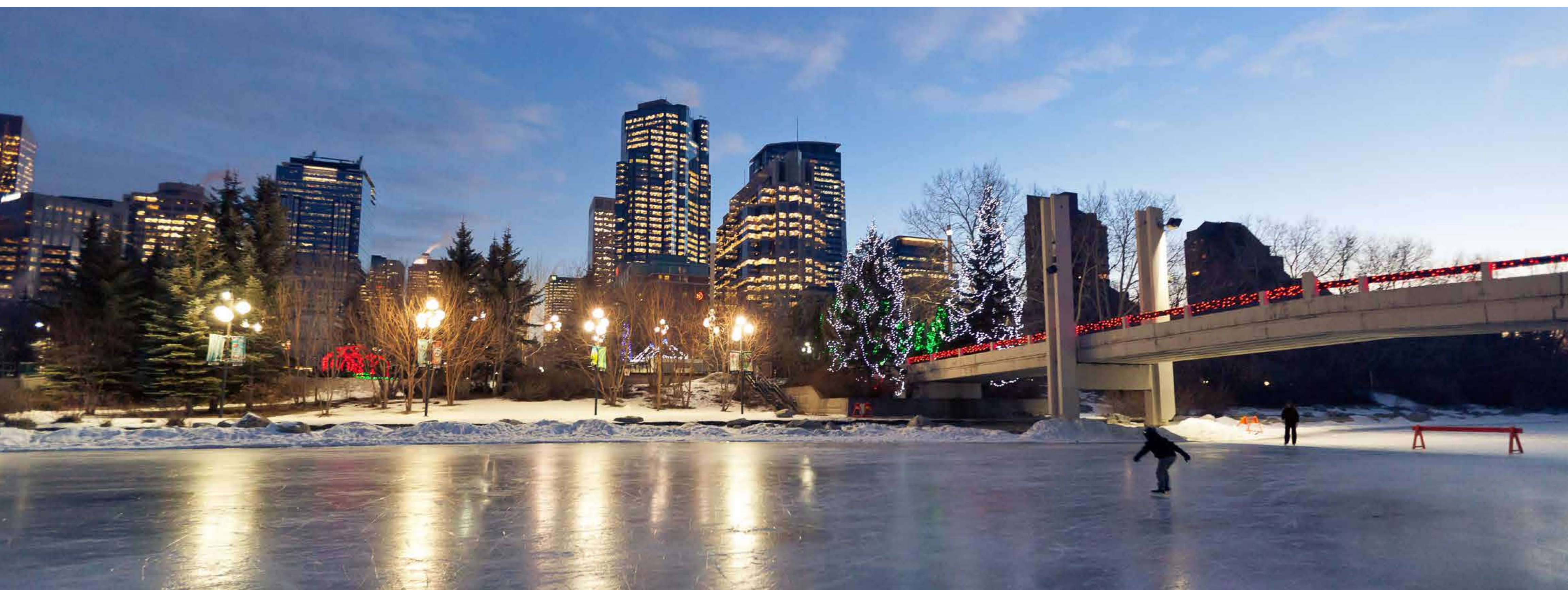


Replacing Jaipur Bridge

The new bridge – design criteria CONSIDERED




We also considered a number of other criteria, when designing this bridge:

- Future Eau Claire promenade design
- Aesthetics
- Construction schedule
- Fit with its surroundings
- Impact to Prince's Island landscaping
- Complexity of construction
- Interruptions to utilities
- Safety and connectivity for people traveling in the area
- Impact of construction
- Helicopter flight path
- Durability in extreme flooding
- Maintenance costs
- Impact of construction materials on environment
- Accommodates daily and event use
- Achieves regulatory requirements; e.g. Dept. of Fisheries and Oceans



Replacing Jaipur Bridge

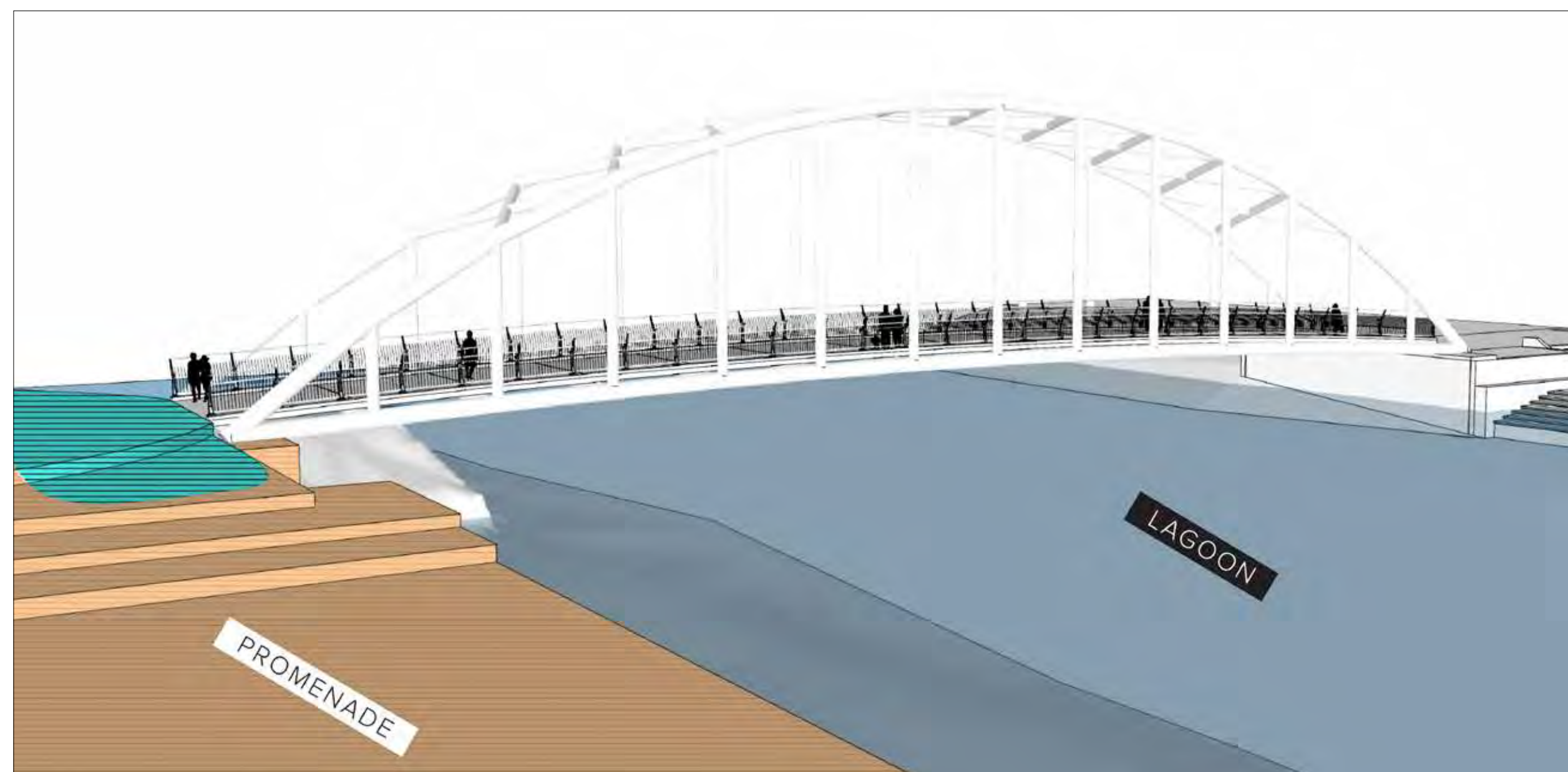
The new bridge – design options

Option	Strength	Weakness
A-Frame		
	<ul style="list-style-type: none"> ▪ Good sight lines ▪ Bold design 	<ul style="list-style-type: none"> ▪ 20 m height creates a challenge to inspect and maintain ▪ High construction complexity ▪ Not sensitive to surrounding environment ▪ Longer construction schedule ▪ Higher cost
Box Girder		
	<ul style="list-style-type: none"> ▪ Fits with the park landscape ▪ No paint required to maintain steel material 	<ul style="list-style-type: none"> ▪ Cladding makes inspections difficult ▪ Poor sight lines for viewing the area and safety concern ▪ More vulnerable in extreme flooding
Tied Arch		
	<ul style="list-style-type: none"> ▪ Requires the least amount of construction material ▪ Good sightlines ▪ Design can accommodate enhancements for special events or seasons ▪ More resilient to extreme flooding 	<ul style="list-style-type: none"> ▪ Repainting steel over river is challenging ▪ Similar to other bridges in Calgary

Replacing Jaipur Bridge

The new bridge –bridge type SELECTED

The project team will continue work on the design, for the remainder of the fall.



Selected bridge type: Tied Arch

PRELIMINARY bridge design



Looking west, from the north side of the lagoon.



Looking south to downtown, from the north side of Jaipur bridge.

Replacing Jaipur Bridge

Building a new bridge- CURRENT CONDITION

Built in 1968 as the primary south connection between the Eau Claire area and Prince's Island Park, Jaipur bridge has reached the end of its service life. Its condition has deteriorated due to salt-laden moisture inside the structure. Furthermore, the design of the bridge no longer meets the current demands - it's a popular bridge!



The Jaipur Bridge is the primary access to and from festivals and Prince's Island Park.



Looking at the current condition of the bridge's underside.

Replacing Jaipur Bridge

Constructing the new bridge – SCHEDULE

Project	Q4 2019	Q1 2019	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021
Complete new bridge design	■						
Remove trees *Must be done prior to nesting period		■	■				
Hire bridge contractor							
Close Jaipur Bridge August 2020 Construct new bridge				■	■	■	■
Open new bridge June 2021*							■

* Schedule may change due to weather or other circumstances, once construction begins

Next steps for bridge design

- Review and consider comments and feedback from open house
- Continue bridge design to 100%:
 - Lighting
 - Hard railings
 - Finishes
 - North and south approaches
 - Materials
 - Colour
 - Jaipur references



Replacing Jaipur Bridge

What's in a name? Jaipur Bridge

Jaipur was chosen as a sister city to Calgary in 1973 because of common interests in industries, like engineering and manufacturing.

A number of actions were undertaken to strengthen the relationship between the two cities, since 1973:

1978

- Jaipur delegation visits Calgary to celebrate Calgary's centennial and an office twinning ceremony.
- Calgary delegation visits Jaipur to celebrate Jaipur's 250th anniversary of Jaipur's founding.
- Calgary makes donation to Operation Eyesight, matched by Provincial and Federal governments, towards Jaipur's sight restoration program.

1979

- Jaipur dedicates lands in city for what is now known as the Jaipur/Calgary Eye Hospital.
- Operation Eyesight, a Calgary-based non-profit, continues to make donations to Jaipur over the years, to support the construction of the Jaipur/Calgary Eye Hospital.

1982

- Canadian International Development Agency, on behalf of City of Calgary, helps to restore Jaipur, after a disastrous flood to the city.

1986

- Calgary's Fish Creek Lions Club raised funds, matched by The City of Calgary, to build an operating theatre in the Jaipur/Calgary Eye Hospital.

1990

- Calgary Council, endorsed the formation of the Calgary/Jaipur Development Foundation, with a parallel organization created in Jaipur.
- The non-profit Calgary/Jaipur Development Foundation is incorporated under the Alberta Societies Act.
- The Calgary/Jaipur Development Foundation was founded in Jaipur under the laws of the State of Rajasthan.

1991

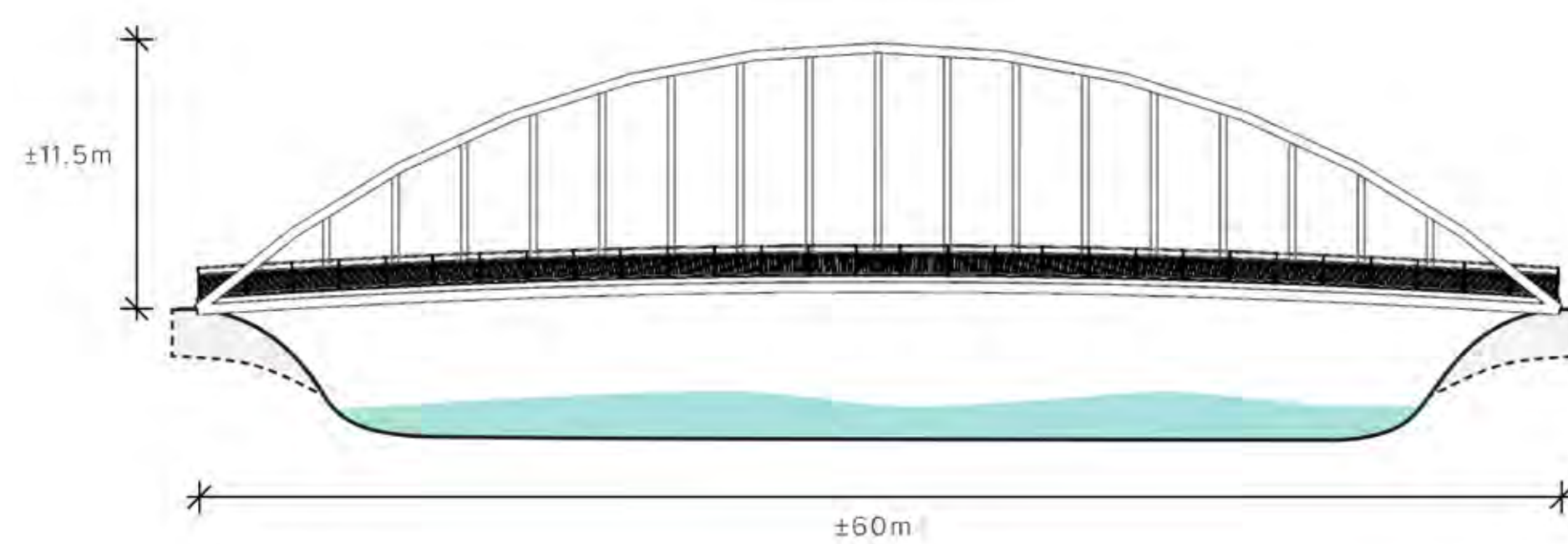
- Calgary Council approves exploring the naming of a public facility, "Jaipur".

1994

- The City of Calgary names the bridge that links to Prince's Island Park, "Jaipur bridge".
- Mayor Al Duerr hosts an unveiling ceremony of the Jaipur Bridge and a dinner in honour of His Highness Maharaj Jai Singh.

Replacing Jaipur Bridge

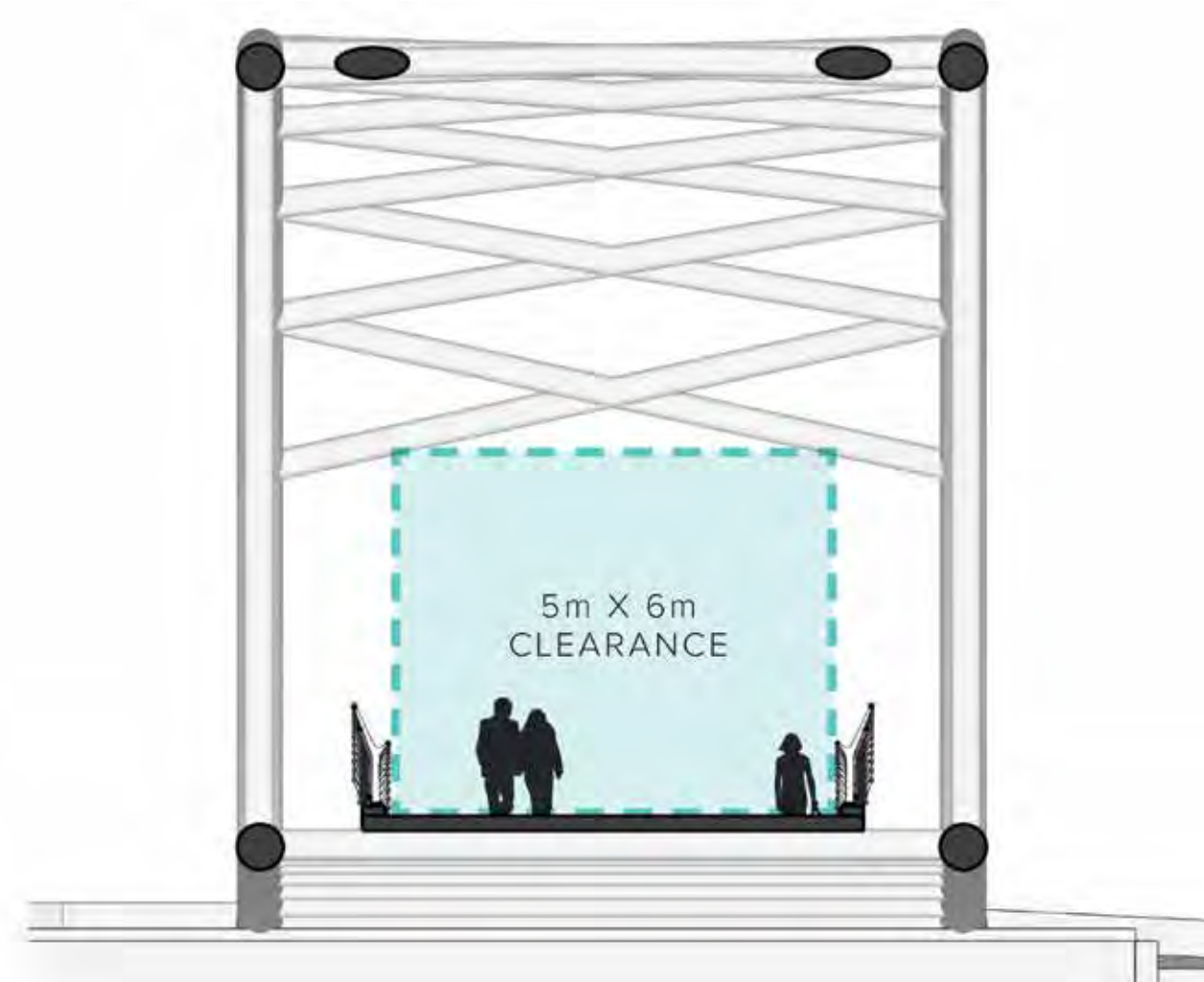
The new bridge – SELECTED bridge type



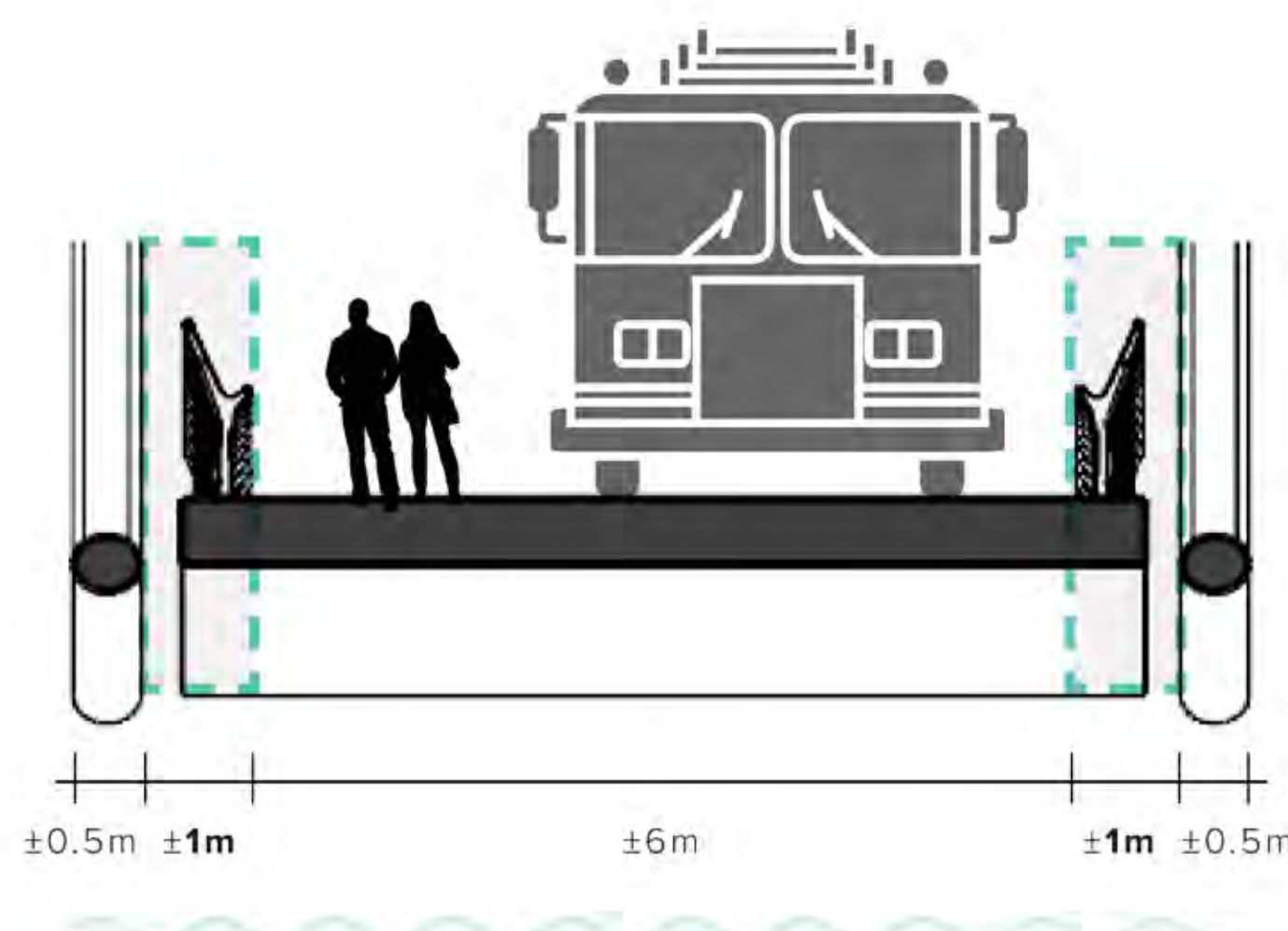
Height and length of bridge



New bridge is above flood line



Height clearance for emergency vehicles



Width of bridge safely allows for emergency vehicles access and people leaving Prince's Island Park .

Next Steps

Thank you for attending the Eau Claire Public Realm open house. Please provide your feedback on Eau Claire Plaza before you leave or provide input online until October 18.

engage.calgary.ca/eauclaire

We will be meeting with business, landowners and residents in the coming months to discuss construction schedules, impacts and opportunities to minimize these impacts.

Detailed construction and detour schedules will be completed in Q1 2020 and we will share these schedules as soon as they are available.

For more information about projects happening in the Eau Claire area and to receiving project updates, please visit calgary.ca/eauclaire and sign-up for our **e-newsletter**.

