

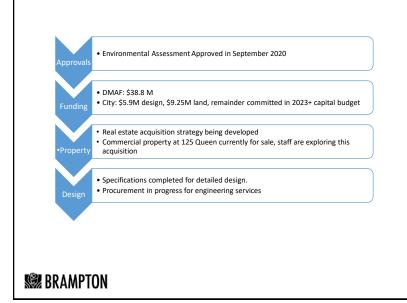
### The Riverwalk Program: Refresher

- Key infrastructure and transformative initiative for Downtown Brampton
- Integrates flood protection, urban revitalization, nature and open space, place making, public amenities
- · Integrates with other strategic initiatives
- Catalyst for Downtown revitalization, development
- Two primary components: Flood Protection and Public Realm
- Return on Investment (ROI) Study (2019) identified significant economic benefits of the Riverwalk unlocking development in Downtown Brampton



## SE BRAMPTON

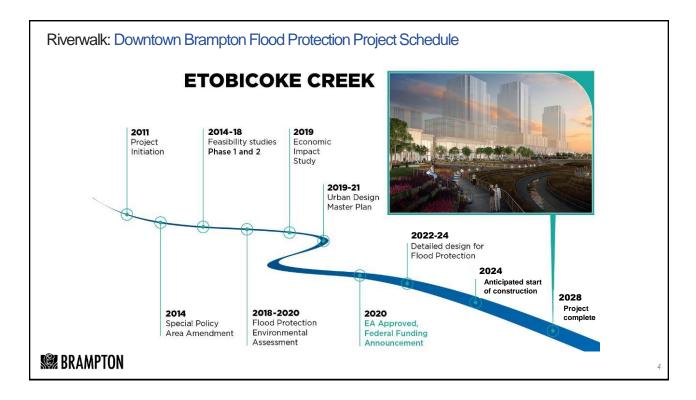
## Riverwalk Program: Downtown Brampton Flood Protection (DBFP)





DBFP includes:

- Widen and deepen Etobicoke Creek from north of Church to south of CN
- Replace bridges at Church, Scott, Queen with larger spans
- Provide additional flow capacity at CN rail via large relief culverts or bridge expansion
- Relocate Ken Whillans Drive to west
- Raise Church Street at Etobicoke Creek



#### **Riverwalk: Urban Design Master Plan**

- · A linear place integrating a succession and variety of natural and man-made spaces and amenities along the valley
- · Designed around a sustainable transportation backbone with gateways, loops, views and vistas.
- · An Eco-Park, most important Downtown open space with ample programming opportunities and strong character and identity enhancements
- Together with the mobility and the innovation hubs will be key revitalization factor, attraction for people, business, re-defining downtown and Brampton



## **SERAMPTON**

#### Riverwalk UDMP: Environment, Resilience, Sustainability, Public Health Framework

- Framework stage with integration of issues, recommendations:
  - ✓ climate change mitigation and adaptation, resilience
  - ✓ natural heritage enhancement and access to nature
  - ✓ sustainable mobility
  - ✓ sustainability, green energy and infrastructure
  - ✓ low impact development, storm water management
  - urban agriculture  $\checkmark$

**SERAMPTON** 

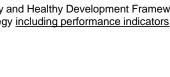
- $\checkmark$ active living, public health and wellbeing
- economic sustainability, social equity  $\checkmark$
- ✓ environmental education and engagement
- · Key demonstration project for the Eco Park strategy as premier Eco Space
- · Collaboration, partnerships: TRCA, Region of Peel, community
- · Potential pilot/demonstration projects including in the interim
- Resilience, Sustainability and Healthy Development Framework to • become complete Strategy including performance indicators



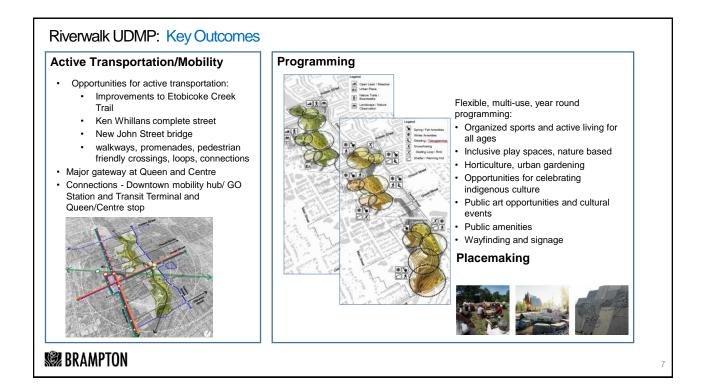
Protect, Preserve &



Safety &









#### UDMP: Urban Design Demonstration Concepts - Duggan Park 1 Enhance and increase natural • features (woodlot, wetland, riparian edge, etc.) New boardwalks and woodland trails, • improved access to the water's edge New nature-based playground, urban gardening, integrated SWM Increase flexible space by relocating existing baseball fields, reconfiguring dogs-off leash area (long-term 10+ years) Retrofitted Ken Whillans Drive North portion as complete, pedestrian friendly, sustainable street/parkway with trail, signature landscapes onstration plan **SERAMPTON**

#### Riverwalk UDMP: Urban Design Demonstration Concepts Central Public School/Rosalea North Area

- Realignment and reconfiguration of Ken Whilans Drive into a complete street
- Regrading of the space on the west side of the creek to create a new meadow landscape
- Improvements to the Etobicoke Creek trail, pedestrian improvements
- Improvements to the Central Public School fields and facilities and connections with adjacent community
- Restoration/enhancements to the natural area along the creek
- Creation of a rocky cascade feature at the mouth of the bypass channel

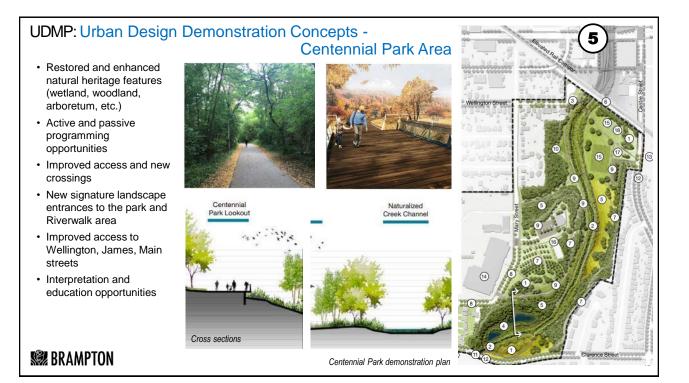


<image>



#### **UDMP:** Urban Design Demonstration Concepts – Bypass Channel · The intersection between the valley/ creek and the city, "a canyon through the city" Rehabilitation of Etobicoke Creek bypass channel to provide a better urban and ecological amenity Reconnect/improve the Etobicoke Creek Trail, walkways, promenade Que • New pedestrian/ cycling bridge at John Street View from the west bank looking N-E with 14 · New public space and transit stop the proposed John Street pedestrian / at Queen/ Centre Streets John St cycling bridge (7) Cross section Channel Area: demonstration plan **SERAMPTON**

12



### **UDMP: Implementation**

Extensive provisions with items categorized by approaches, timing and phasing:

- Phase 1: items related to Flood Protection work
- Phase 2: advanced items associated with Ken Whilans EA and other known initiatives
- Phase 3: longer term projects with future design, approvals and funding
- Interim/incremental projects – smaller, interim or associated with other projects and initiatives
- Preliminary financial considerations

SE BRAMPTON

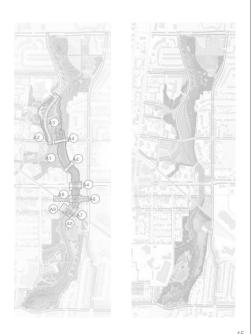


#### 7

## **UDMP:** Implementation, Financial Considerations

- EA estimate of \$106 million includes base costs required for flood protection
- UDMP includes additional **functional and urban design items** essential for the success of the Vision 2040 and the Riverwalk.
- Challenging to forecast future design solutions, construction approaches, plausible cost estimates at this high level, master plan stage
- Costs for the UDMP elements will be high, but implemented in phases, over a long period of time, through a variety of projects and initiatives, funded from a variety of sources
- For the first phase, flood protection implementation, urban design improvements may add significant costs to the initial EA estimate they are key for achieving the vision, for the extensive benefits, for Downtown Revitalization
- The upcoming Detailed Design Phase with the urban design of the UDMP will allow a much more realistic assessment of the costs
- · Staff will look at opportunities for funding, potential partnerships
- · The advocacy for funding sources and grants will continue

## SE BRAMPTON



#### Riverwalk Program: Urban Design Master Plan Benefits

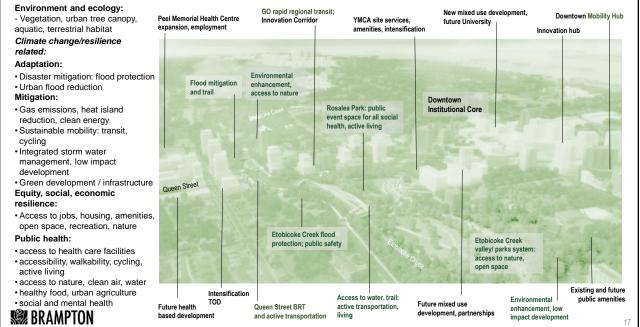
The Riverwalk will bring significant benefits to Downtown, the City and the region, to the the functionality as well as the attraction of the area:

- Improvements to environment, ecology, the natural heritage system
- Significant improvements for Climate Change mitigation/resilience, sustainability, public health
- The creation of an extensive open space system with landmark public spaces and features
- Well connected, high quality spaces for a wide variety of uses and events for equity, diversity and inclusiveness, based on integrated eco-design process
- Redefining Downtown's character and identity including heritage, culture, arts, design excellence opportunities
- Economic development opportunities: job creation, support for City, Provincial, Federal initiatives, investment
- Significant contribution to the Downtown revitalization, a major attraction for residents, visitors, businesses, key factor in investment stimulation, partnerships.

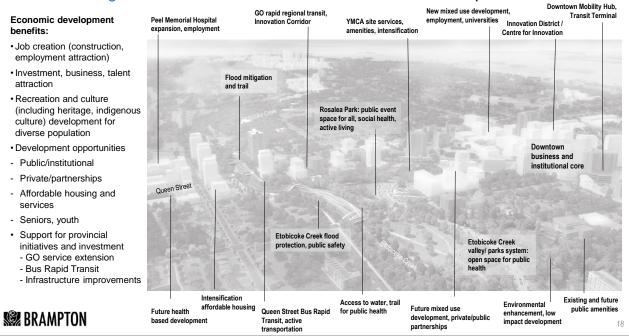


## 🗱 BRAMPTON

#### Downtown Revitalization and Development: Riverwalk Area Environmental Benefits



#### Riverwalk Program Benefits: Downtown Revitalization and Development



# The Riverwalk Program: Conclusion

When completed the Riverwalk will:

- Protect from flood and disasters
- Revitalize Downtown and surrounding area
- Trigger infrastructure renewal including blue green
- Generate employment, attract people, investment
- Develop central park system, demonstrate Eco Park Space
- Build community, support diversity, bring people together
- Make a resilient, sustainable, healthy Downtown and City
- Support equity, diversity and culture, improve social life
- Stimulate new approaches, innovation, change

## **BRAMPTON**