



mountain
browtrail

FEASIBILITY STUDY PRESENTATION

JULY 12, 2018

BACKGROUND

- Mandate of Feasibility Report
- Mountainbrow Project Vision

REPORT CONTENT

- Information Gathering Process
- Stakeholder Engagement
- Recommended Route Map
- Implementation Strategy – Prioritization Analysis & Implementation Phasing
- High Level Costing
- Quick Guide

RECAP & NEXT STEPS

In 2017, Consultant retained to prepare a Feasibility Report to:

1. IDENTIFY the recommended route, facility type and the amenities;
2. PROVIDE a framework to guide construction of new segments and reconstruction of existing infrastructure; and
3. PROVIDE high level costing for each trail segment.



PROJECT VISION: The Mountainbrow Trail will be a recreational trail that follows the edge of the Niagara Escarpment as closely as possible to take advantage of views and provide connectivity between wards.



Mountainbrow Trail (image courtesy IBI Group)

Review of
policies,
masterplans
&
regulations

Field
visits

Identification
of route

Public
Consultation
&
Stakeholder
Engagement

Revision
to route

Implementation
strategy,
including
phased
timeline and
costing

INTERNAL STAKEHOLDERS

City of Hamilton Staff:

- Alternative Transportation
- Cultural Heritage
- Engineering Services
- Forestry
- Growth Management
- Healthy & Safe Communities
- Natural Heritage
- Parks and Cemeteries
- Real Estate
- Traffic Engineering



Hamilton

Councillors 6, 7, 8 and 9

EXTERNAL STAKEHOLDERS

Outside Organizations:

- Bruce Trail Conservancy – Iroquoia
Bruce Trail Club
- Hamilton-Burlington Trails Council
- Hamilton Naturalist Club
- Hillfield Strathallan College
- Mohawk College
- SoBi Hamilton
- St-Josephs Hospital

Provincial Bodies:

- Hamilton Conservation Authority
- Ministry of Infrastructure (Infrastructure Ontario)
- Ministry of Tourism, Culture and Sport
- Niagara Escarpment Commission



Niagara Escarpment Commission
An agency of the Government of Ontario

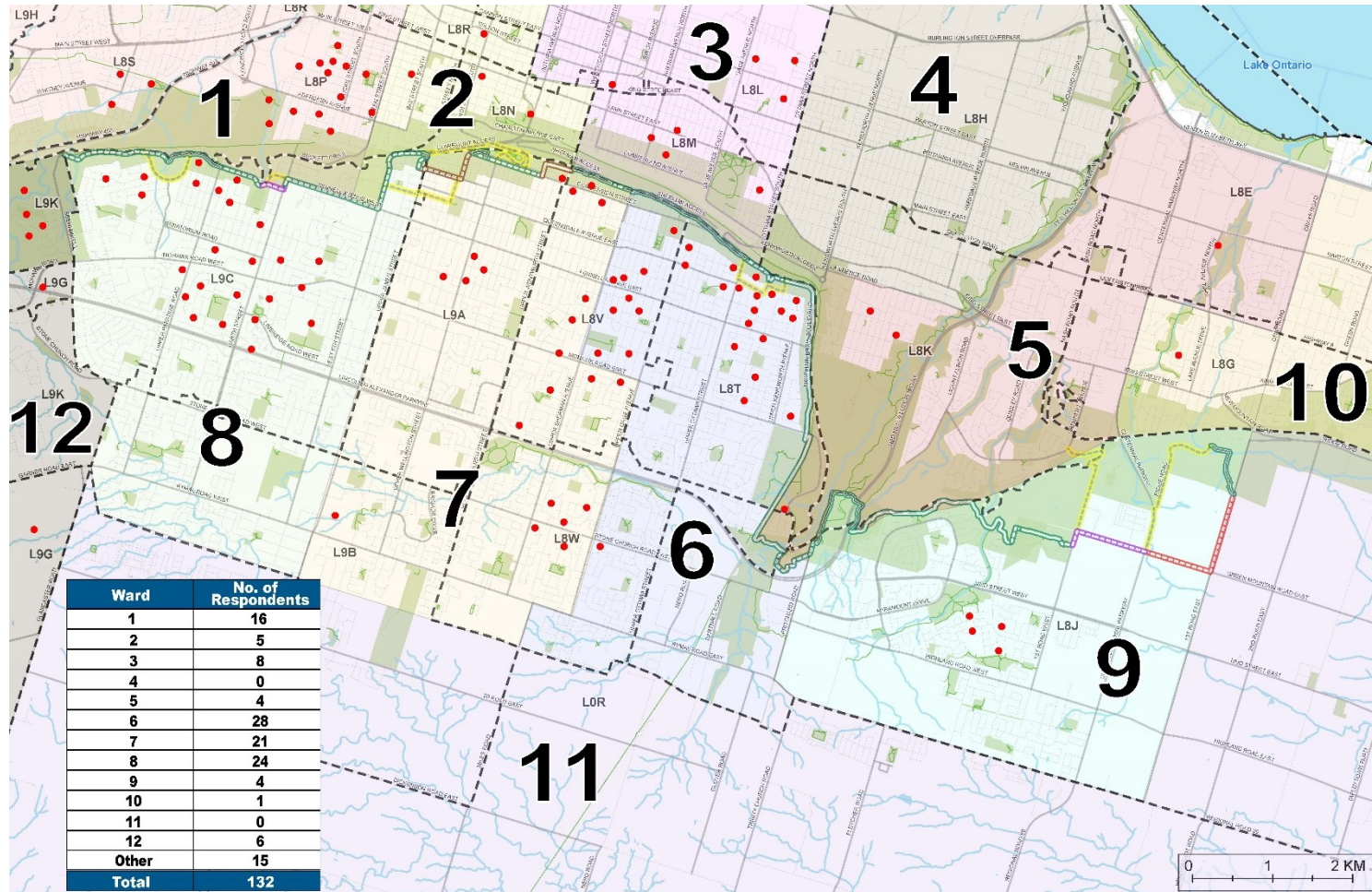


MOHAWK
COLLEGE





PIC (images courtesy IBI Group)



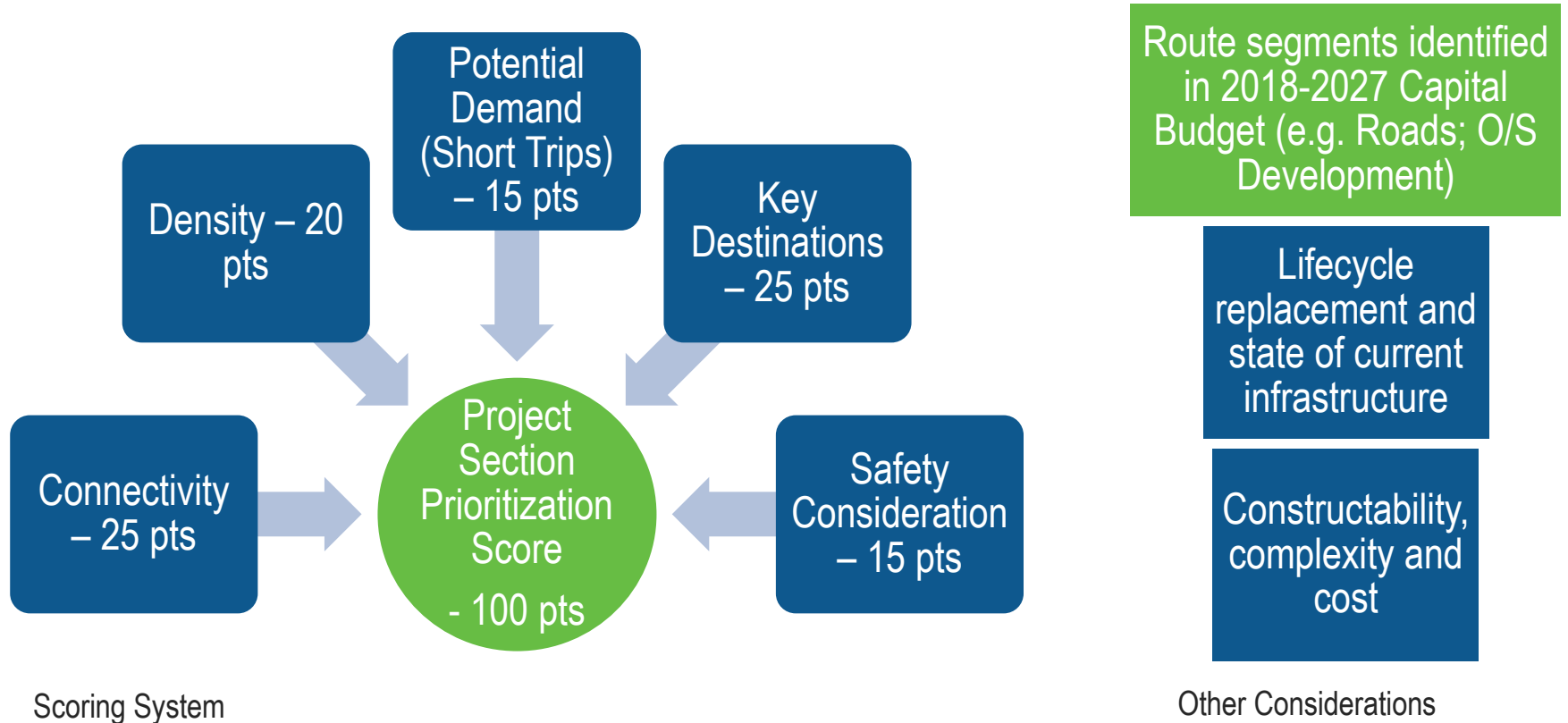
RECOMMENDED ROUTE

- Over 25 km connected route
- Connections to vista, views waterfalls and parks
- Connections to Bruce Trail, Chedoke Radial Trail, Red Hill Valley Trail, Dofasco, East Mountain Trail Loop etc



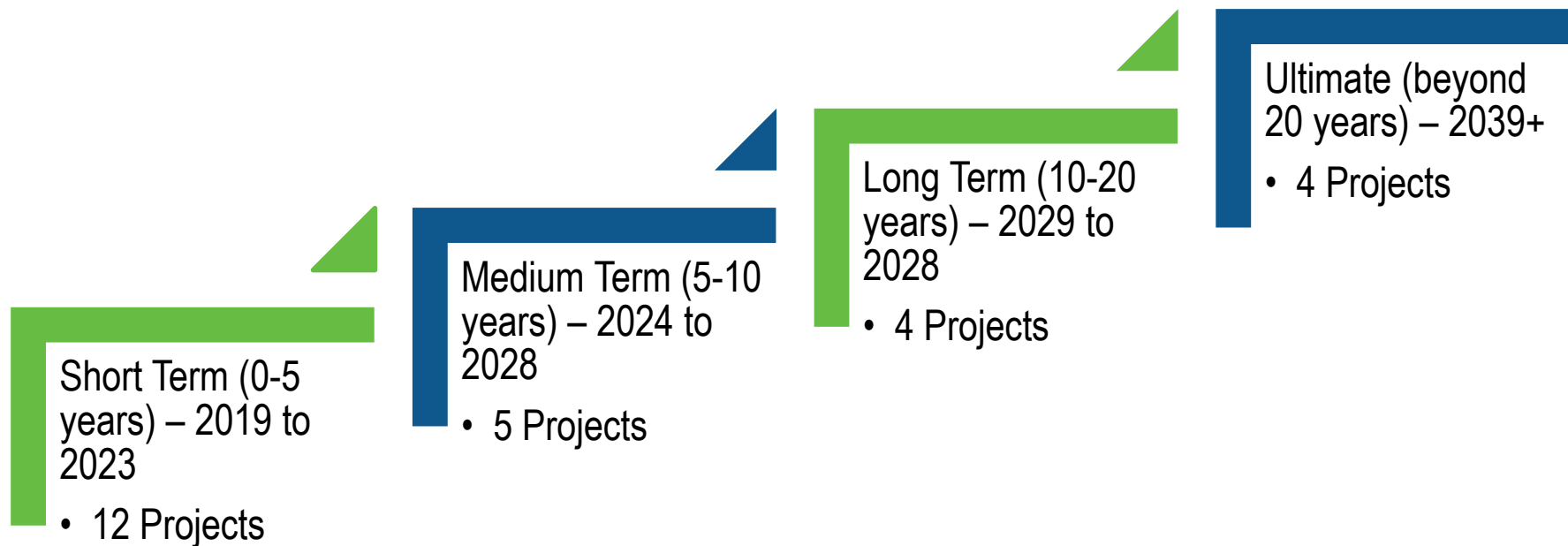
PRIORITIZATION ANALYSIS

Scoring system considered in combination with realities of forecasted works and context:

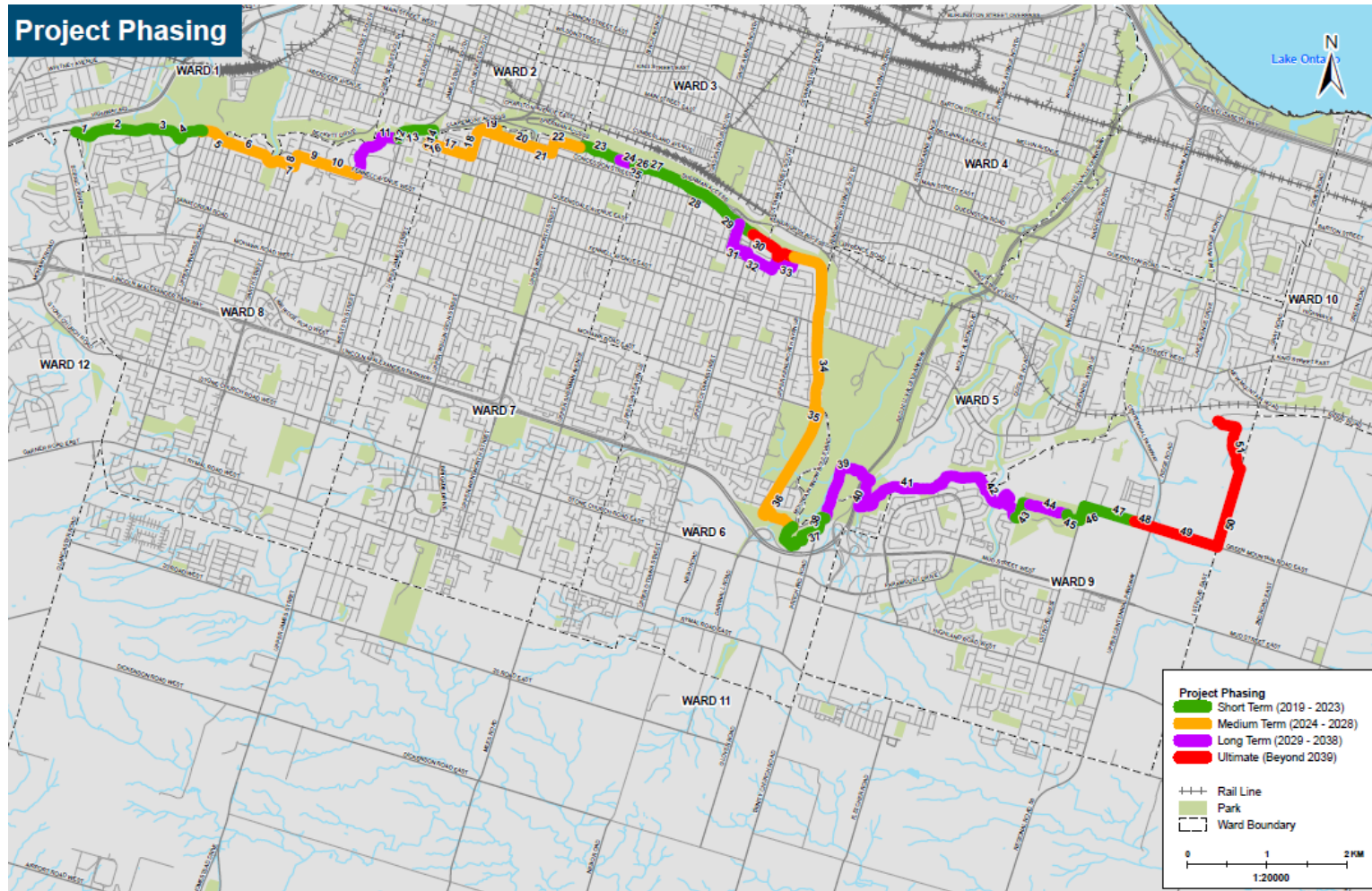


IMPLEMENTATION PHASING

- Identified 25 projects and identified project timelines based on prioritization analysis, pre-identified works, cost and constructability.
- Projects are planned over a 20+ year timeline:



PHASING MAP & DISTRIBUTION



HIGH LEVEL COSTING

- Total high level project cost: \$9 million over 20+ year period.
- High level order of magnitude inclusions and exclusions:

Estimate includes:

- Removal of existing facilities and installation of multi-use trail, including restoration
- Amenities where applicable such as: benches, lighting, fencing, water fountains etc.
- Wayfinding signage and branding

Estimate does
NOT include:

- Potential road reconstruction costs or road crossing requirements
- Design fees, including required studies and permitting costs (anticipate that these may add an additional 12-15% on top of project costs)

- Example of 'quick guide' as a tool for Capital Budget Project Forecasting:

Project Segment	Project Group	Project Horizon (yrs) ¹	Project Limits	Length (km)	Estimated Cost	Costs Included										Implementation Responsibility ²
						New Trail	New Trail	New Bike lanes	New Signed Cycling Route	New Sidewalk	Paved Shoulders	Intersection Upgrade	Amenities	New Lighting	Wayfinding & Branding	
1	A	0-5	Scenic Drive	0.26	\$200,000.00	✓							✓	✓	✓	ES
2	A	0-5	Scenic Drive	0.76	\$600,000.00	✓							✓	✓	✓	ES
3	B	0-5	Sanatorium Road	0.37	\$290,000.00	✓							✓	✓	✓	D
4	C	0-5	Bruce Trail	0.35	\$180,000.00								✓		✓	LAS
5	D	5-10	Scenic Drive	0.43	\$250,000.00		✓						✓		✓	ES
6	D	5-10	Scenic Drive	0.60	\$340,000.00			✓		✓				✓	✓	ES
7	D	5-10	Scenic Drive/Denlow Avenue	0.28	\$93,000.00			✓		✓					✓	ES
8	E	5-10	Garth Street	0.14	\$410,000.00		✓					✓			✓	LAS
9	E	5-10	Fennell Avenue West	0.41	\$270,000.00		✓								✓	LAS
10	E	5-10	Fennell Avenue West	0.38	\$250,000.00		✓								✓	LAS
11	F	10-20	Juravinski Drive/St. Joseph's Hospital Lands	0.88	\$580,000.00	✓								✓	✓	LAS
12	G	0-5	Claremont Access Spur I	0.06	\$37,000.00	✓								✓	✓	AT
13	G	0-5	Claremont Access Spur II	0.43	\$340,000.00	✓							✓	✓	✓	AT
14	H	0-5	Southam Park	0.09	\$79,000.00	✓							✓		✓	LAS
15	H	0-5	Tanner Street	0.19	\$4,000.00					✓					✓	AT/ES

PROJECT VISION: The Mountainbrow Trail will be a recreational trail that follows the edge of the Niagara Escarpment as closely as possible to take advantage of views and provide connectivity between wards.



Mountainbrow Trail (image courtesy of City of Hamilton Landscape Architectural Services)

The Mountainbrow Multi-Use Trail Feasibility Study is the **FIRST** step to realizing this vision.

The Feasibility Study **IS**:

- A framework that provides a recommended route, highlights key stakeholders and potential permits that may be required
- A tool to help guide and inform City of Hamilton staff when preparing Capital Budget Portfolio's
- A consolidation of the opinions expressed by external and internal stakeholders on the project and specific project sections.

The Feasibility Study is **NOT**:

- The final route. Detailed planning and further stakeholder engaged is required for each project.

THANK YOU