

7.2
Public Works Committee
June 13, 2016



Public Works

**Landscape Architectural Services
Parks and Cemeteries
Traffic Operations and Engineering**

**Public Works Committee
June 13, 2016**

Let's Talk Trails!

Providing services that bring our City to life !

Introduction

- */ Direction by Councillor Jackson:
(December 7th, 2015 Public Works Committee)
Presentation on the multi-use trail network
- */ Staff Presenting :
Landscape Architectural Services – Leila Todd
Parks and Cemeteries – Steve Hasselman
Traffic Operations and Engineering – Daryl Bender

→ Community
→ People
→ Processes
→ Finance



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Outline of Presentation

Landscape Architectural Services, Parks and Cemeteries, Traffic Operation and Engineering

- 🚶 Cycling Master Plan (CMP)
- 🚶 Trails and Operational efforts
- 🚶 Recreational Trails Master Plan (RTMP) Update
- 🚶 Next Steps

- Community
- People
- Processes
- Finance

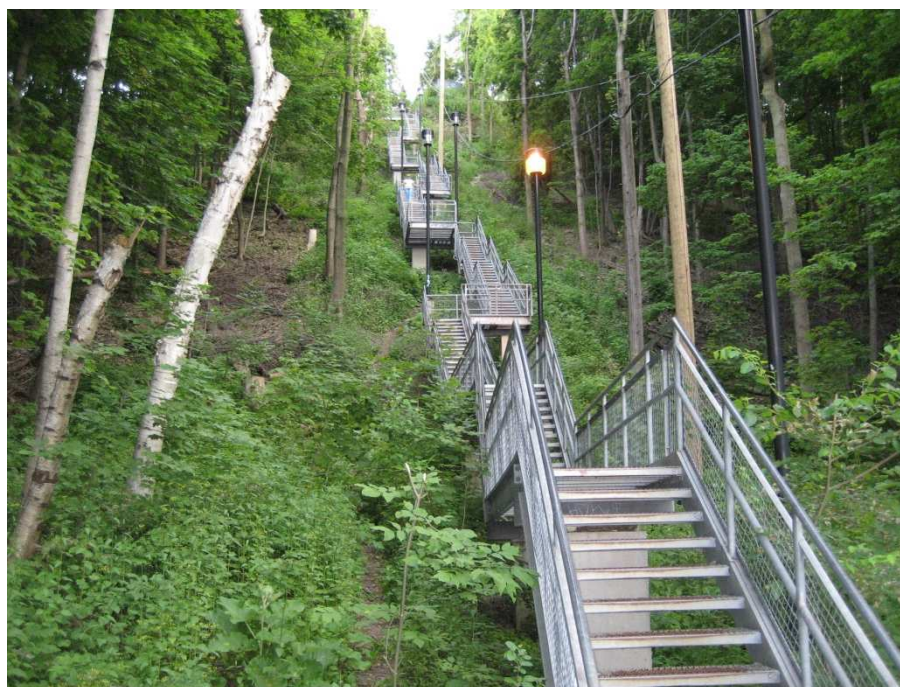


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Fig. 1 - The QEW
Pedestrian Bridge

Fig. 2 – Dundurn Stairs



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Cycling Master Plan (CMP)

Traffic Operations and Engineering

- 🚶 Shared Use
- 🚶 CMP and RTMP Synergy

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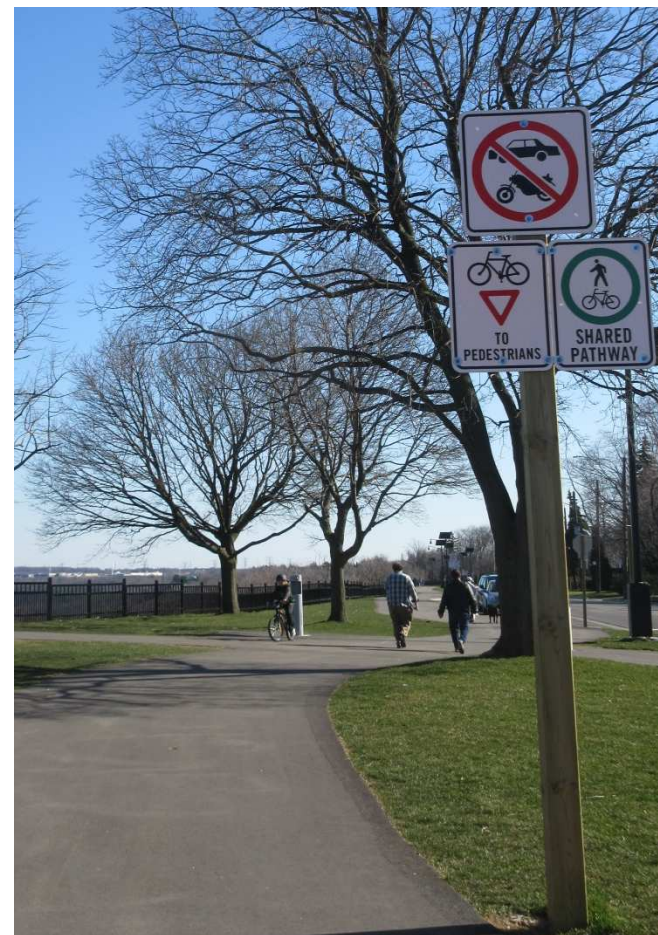


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Fig. 3 – Mountain Brow Blvd. Multi-Use Trail



Fig. 4 – Shared Use Signage



Cycling Master Plan Update

Traffic Operations and Engineering

⚙️ Transportation Master Plan (TMP)

- Community
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Fig. 5 – A Street Crossing of Hamilton-Brantford Rail Trail



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City of Hamilton Trails

Parks and Cemeteries

- ✦ City of Hamilton maintains 64km of trails
- ✦ Trails can be infrastructure corridors
- ✦ Multi-use trail along roads
- ✦ Trails through natural areas or along the waterfront

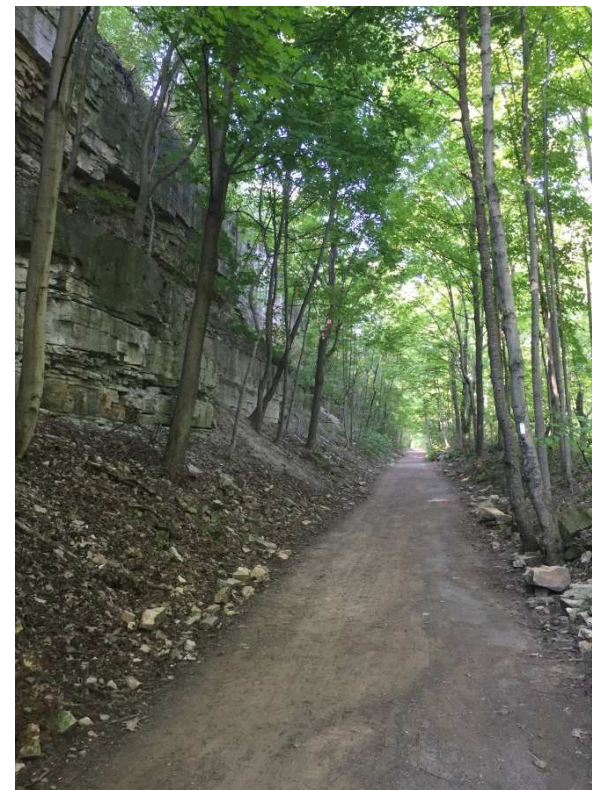
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Fig. 6 – Waterfront Trail (Left)

Fig. 7 – Red Hill Valley Trail (Right)



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City of Hamilton Trails

Parks and Cemeteries

- 🚶 Hikes, Charity Walks and Runs
- 🚶 Exercise Stations
- 🚶 Commemorative Bench Program

- ➔ Community
- ➔ People
- ➔ Processes
- ➔ Finance



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Fig. 8 – Fitness Trail Signage (Top)

Fig. 9 – Pipeline Trail Parade (Bottom Left)

Fig. 10 – Commemorative Bench (Bottom Right)



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Trail Challenges

Parks and Cemeteries

- ✖ Illegal Dumping
- ✖ Erosion
- ✖ Multi-use Concerns
- ✖ Toxic Plants
- ✖ Graffiti

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Fig. 11 – Illegal Dumping Example

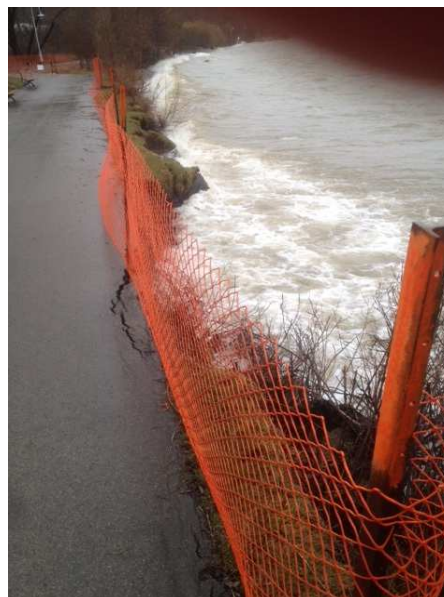


Fig. 12 – Erosion (Left)



Fig. 13 – Graffiti (Right)

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Trail Maintenance

Parks and Cemeteries

- ✚ Trail Inspections
- ✚ Tree Trimming
- ✚ Scheduled Garbage Pick-up

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Fig. 14 – Wash Out at Bridge Crossing (Right)

Fig. 15 – Tree Damage (Bottom Left)

Fig. 16 – Infrastructure Damage (Bottom Right)



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Trail Maintenance

Parks and Cemeteries

- ✚ Grass Cutting
- ✚ Trail Grading
- ✚ Winter Operations
- ✚ Repairs to Structures

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Fig. 17 – Winter Operations (Top)

Fig. 18 – Burnt Trail Bench (Bottom Left)

Fig. 19 – Grass Cutting (Bottom Right)



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Recreational Trails Master Plan (RTMP)

Landscape Architectural Services

- RTMP was approved by Council on April 25th, 2007
(Report 07-006 PW Committee April 16th, 2007)
- (a) That staff utilize the Recreational Trails Master Plan Design Criteria, Trail Classifications and Phasing Criteria for planning Hamilton's future trails;
- (b) That staff report back with recommendations for trail development as part of the Annual Capital Budget Program.

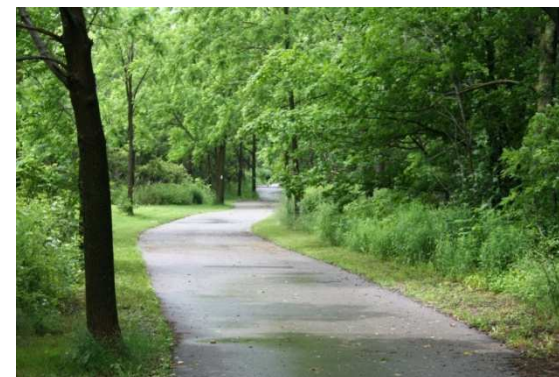
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Fig. 20 – Waterfront Trail (left)

Fig. 21 – Example of paved trail through natural area (right)



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Recreational Trails Master Plan (RTMP) Update

Landscape Architectural Services

- Community
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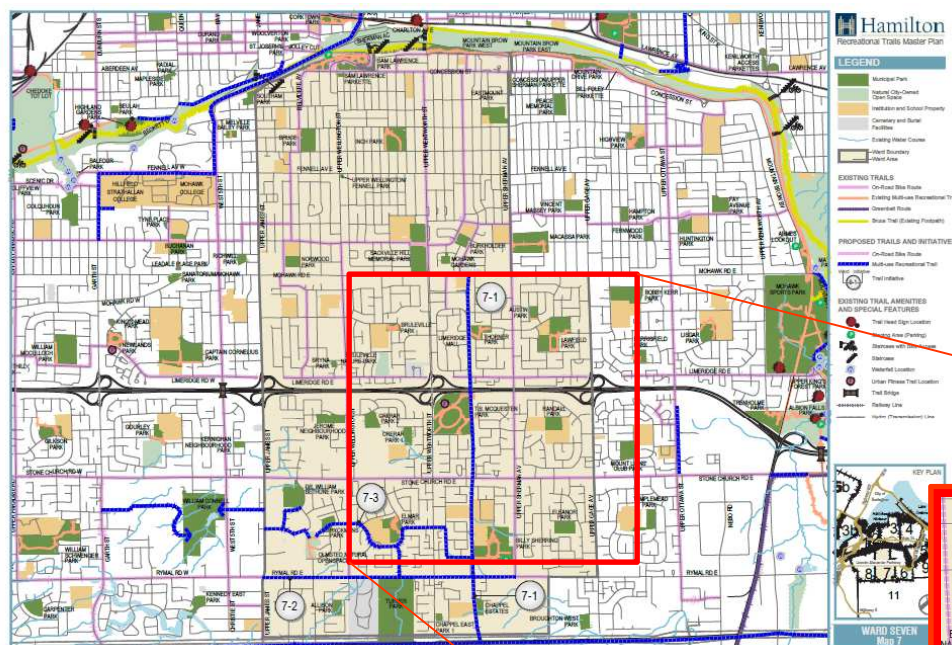
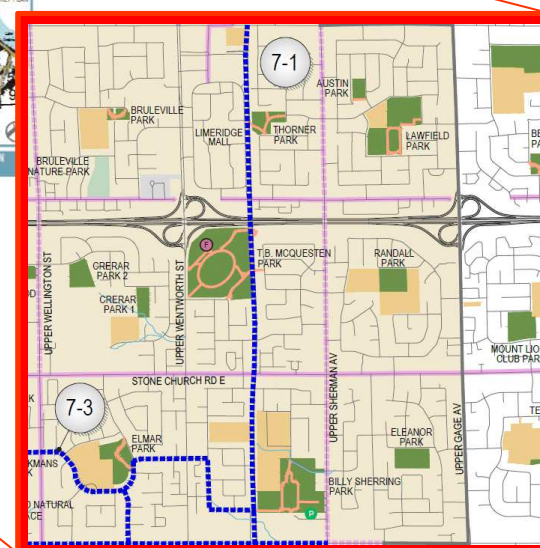


Fig. 22 – An example of a Ward Map and Associated Initiative



- ✚ Updating the mapping
- ✚ Compatibility with new policies, locally and regionally
- ✚ Linkage opportunities

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Public Consultation

Landscape Architectural Services

- 🚶 April to October 2015
- 🚶 In person and online
- 🚶 Variety of promotional efforts
- 🚶 Events
- 🚶 Agency dialogue

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Fig. 23 -
Consultation event
(bottom left)

Fig. 24 – Example
of a Tweet
(top right)

Fig. 25 – Children
playing Trails Board
game (bottom right)



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Public Consultation

Landscape Architectural Services

* Youth Engagement

Their driving question: *“How can we improve transportation for those living in and around school?”*

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Fig. 26 – Transportation Model



Fig. 27 – Students Presentation to Staff



Fig. 28 – Students on Site Visit

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Public Consultation Outcome

Landscape Architectural Services

Questionnaire Results

- 🚶 ~ 40 - 49% can access a trail within 1km
- 🚶 Majority use trails for hiking, cycling, walking
- 🚶 ~ 80% are satisfied with current state of trails (in person)
- 🚶 ~ 53% are satisfied with current state of trails (online)

Common Message

- 🚶 User Conflict
- 🚶 Signage (Education, Navigation, Etiquette)

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Fig. 29 – Walker and Cyclist Conversing on the Trail

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Next Steps – Implementing of RTMP

Landscape Architectural Services

- 🚶 Scoring criteria
- 🚶 Dynamic system
- 🚶 High priority trail initiatives

Other Studies and Master Plans	Parallel Project, Coordinate Timing	Community and/or Councilor Priority	Neighbourhood Action Plan Area	Phase within a New Development
0 or 1	0 or 1	0 or 1	0 or 1	0 or 1
2	3	4	5	6

Fig. 30 – Example of Priority Listing

Ward	Initiative	Trail Initiative Name (as per Table 3 and Table 4)	SMT Direction	Other Studies and Master Plans	Parallel Project, Coordinate Timing	Community and/or Councilor Priority	Neighbourhood Action Plan Area	Phase within a New Development	Requirement for Redevelopment	Multi-year/ Previously Funded for same Programme	Land Confirmation	High Environmental Standards	Total Ranking
			0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	Max. 10
			1	2	3	4	5	6	7	8	9	10	TOTAL
3	6	Ottawa Street South Boulevard Trail		1		1	1				1		4
3	7	Ottawa Street South-Bruce Trail Link		1		1	1					1	4
4	3	Museum of Steam & Technology Link		1	1	1	1				1		5
4	4	Hydro Corridor, Barton Street to Lawrence Avenue		1		1	1						3
4	5	Proposed Pipeline Trail (Museum of Steam and Technology to Mahony Park)		1		1	1						3
4	6	Glengrove Avenue-Red Hill Valley Link		1								1	2

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Next Steps – Trail Development Process

Landscape Architectural Services

- Identify priorities
- Reporting through Annual Capital Budget program
- Best practices related to user conflicts

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Fig. 31 – Shrewsbury Trail Under Construction



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Questions?

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Fig. 32 – Inline Skating on Waterfront Trail



Fig. 33 – Cycling on Waterfront Trail

Thank you!