

City of Mississauga Memorandum



Date: 2020/09/10

To: Chair and Members of Mississauga Cycling Advisory Committee

From: Fred Sandoval, Active Transportation Coordinator, Active Transportation
Amy Parker, Active Transportation Technologist, Active Transportation

Meeting Date: 2020/09/15

Subject: 2020 Cycling Program Update

The City of Mississauga has an annual cycling program for the installation of cycling infrastructure by the Transportation and Works (T&W) department (along street rights-of-way) and the Community Services (CMS) department (outside of street rights-of-way). The Cycling Program is consistent with the 2018 Cycling Master Plan.

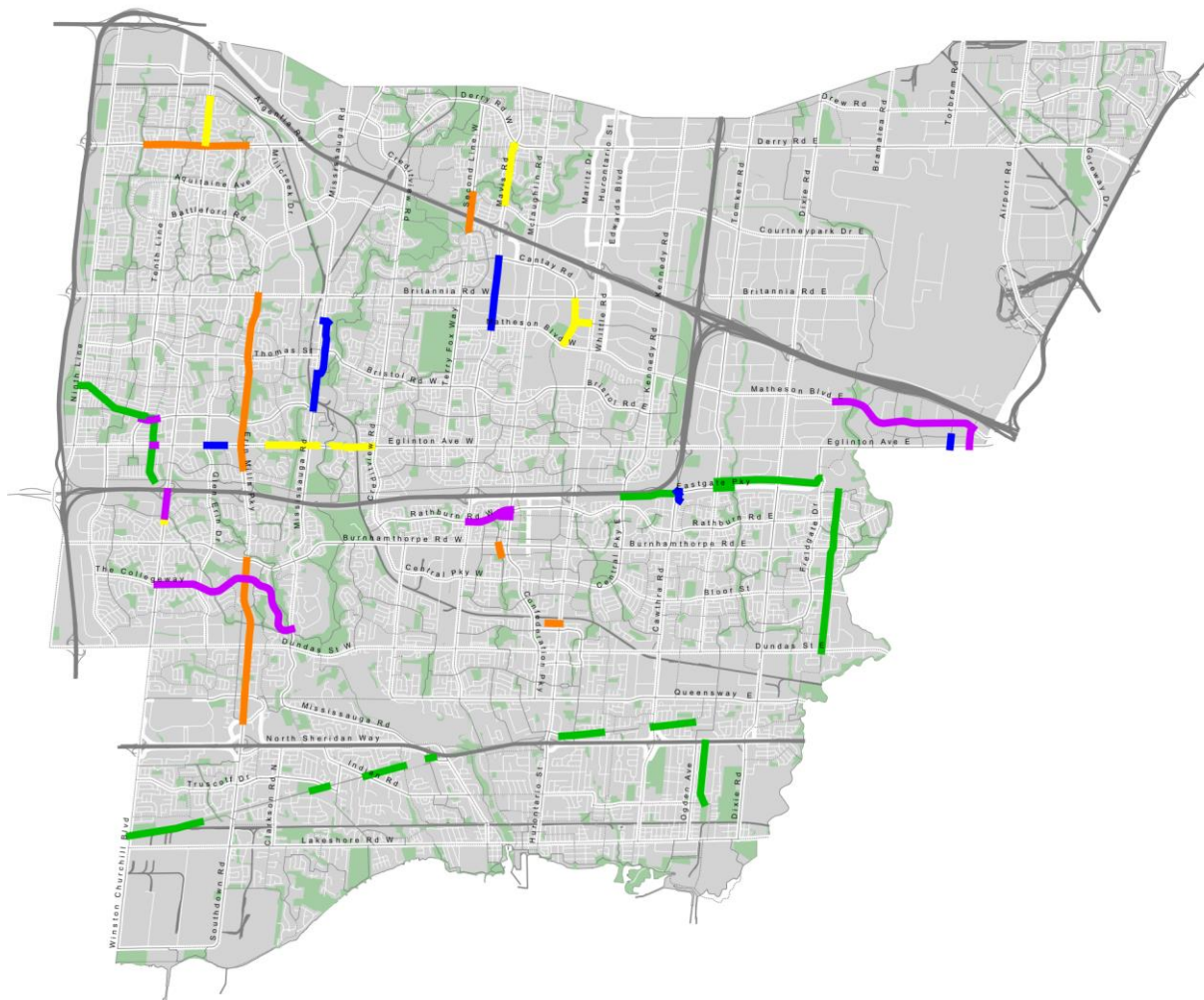
In 2019, the Transportation & Works department began implementing 5.6 km of cycling infrastructure, all of which are complete or substantially complete (pending installation of non-regulatory signage and surface marking).

In 2020, 4.2 km of cycling infrastructure is being implemented by the Transportation & Works department. An additional 1.7 km of cycling infrastructure was deferred to 2021. The Community Services department is implementing 6.2 km of off-road trails throughout the city. An additional 4.5 km of off-road trails was deferred or placed on hold. An additional 6.6 km of cycling infrastructure has been built or is currently under construction by the Region of Peel, Metrolinx, MTO, or private developers.

For 2021, the Transportation & Works department has 7.4 km of cycling infrastructure currently in design, planned for tender in early 2021.

Cycling infrastructure is being implemented with funding from the Ontario Municipal Commuter Cyclist (OMCC) program, as well as with ongoing funding from the City of Mississauga and Region of Peel.

Note that the nature and schedule of the projects listed here are subject to change in accordance with budget, engineering and construction constraints, public consultation and Council approval. All lengths are shown in kilometres, measured along the road centreline (except for off-road trails), from the centre of intersections. Actual paved surface length may differ.



Map 1: Cycling Infrastructure Programs (as of August 2020)

- 2019 T&W Cycling Program
- 2020 T&W Cycling Program
- 2021 T&W Cycling Program
- CMS Off-Road Trails Program
- Other Cycling Projects

2019 Cycling Infrastructure Program and Earlier Ongoing Projects

This section summarizes the City of Mississauga Cycling Infrastructure Program for 2019, implemented by the T&W Department.

Table 1 - Overview of the 2019 Cycling Program Facilities

Facility	Length Planned	Length Completed or Under Construction	Length Deferred or On Hold
New Multi-Use Trails	4.45	4.45	0
New Bicycle Lanes	1.30	0.56	0.74
New Shared Routes	0.27	0.27	0
Rehabilitated Bicycle Lanes	0.36	0.36	0
Total	6.38	5.64	0.74

Table 2 - 2019 Planned Bicycle Infrastructure Projects

Location	From	To	Length	Status
<i>Multi-Use Trails</i>				
Eglinton Avenue West	Credit Valley Road / Summersky Court	Credit River Bridge (west end)	1.14	Substantial Completion
Eglinton Avenue West	Barbertown Road	Creditview Road	0.67	Substantial Completion
Mavis Road	Derry Road West	Courtneypark Drive West	1.31	Complete
Old Derry Trail	Gablehurst Crescent / Haines Artist Way	Derry Road West / Mavis Road	0.12	Complete
Winston Churchill Boulevard	Bayberry Drive / Crosscurrent Drive	Derry Road West	1.03	Substantial Completion
Winston Churchill Boulevard	Unity Drive / Unity Gate	180 m south of Unity Drive / Unity Gate	0.18	Complete
<i>Bicycle Lanes</i>				
Avebury Road	Britannia Road West	Matheson Boulevard	0.56	Complete
<i>Shared Routes</i>				
Eglinton Avenue West	Credit River Bridge (east end)	Barbertown Road	0.27	Under Construction
Total			3.97	

Table 3 - 2019 Planned Rehabilitations

Location	From	To	Length	Status
<i>Bicycle Lanes</i>				
Aldridge Street	Avebury Road	Hurontario Street	0.36	Complete
Total			0.36	

Table 4 – 2019 Deferred Bicycle Infrastructure Projects

Location	From	To	Length	Status
<i>Bicycle Lanes</i>				
Living Arts Drive (road extension)	Centre View Drive	Rathburn Road West	0.22	Road extension on hold
Orbitor Drive	Explorer Drive	Matheson Boulevard East	0.52	On hold due to parking concerns
Total			0.74	

2020 Cycling Infrastructure Program

This section summarizes the City of Mississauga Cycling Infrastructure Program for 2020, implemented by the T&W Department.

Table 5 - Overview of the 2020 Cycling Program Facilities

Facility	Length Planned	Length Completed or Under Construction	Length Deferred or On Hold
New Multi-Use Trails	2.50	0.36	0.49
New Cycle Tracks	0.27	0	0.27
New Bicycle Lanes	0.20	0	0
New Shared Routes	1.96	0	0
Rehabilitated Multi-Use Trails	0.91	0	0.91
Total	5.84	0.36	1.67

Table 6 - 2020 Planned Cycling Infrastructure Projects

Location	From	To	Length	Status
<i>Multi-Use Trails</i>				
Cawthra Road	Eastgate Parkway	Forest Fire Lane Walkway	0.25	Tendered/Programmed
Eglinton Avenue West	Glen Erin Drive	Metcalfe Avenue	0.36	Under Construction
Mavis Road	Bancroft Drive / Cantay Road	Matheson Boulevard West	1.40	Tendered/Programmed
<i>Bicycle Lanes</i>				
Explorer Drive	Skymark Avenue	Eglinton Avenue East	0.20	Tendered/Programmed
<i>Shared Routes</i>				
Church Street	Ontario Street East	Queen Street South	1.15	Design
Mississauga Road	Reid Drive	Erin Centre Boulevard	0.24	Design
Ontario Street East	Queen Street South	Church Street	0.10	Design
Queen Street South	Church Street	Reid Drive	0.47	Design
Total			4.17	

Table 7 - 2020 Deferred Bicycle Infrastructure Projects

Location	From	To	Length	Status
<i>Multi-Use Trails</i>				
Winston Churchill Boulevard	Highway 403 South to East Ramp	Unity Drive / Unity Gate	0.49	Deferred to 2021 due to MTO design requirements
<i>Cycle Tracks</i>				
Square One Drive (west extension)	Rathburn Road West	Confederation Parkway	0.27	Deferred to 2021 due to design updates
Total			0.76	

Table 8 - 2020 Deferred Rehabilitation Projects

Location	From	To	Length	Status
<i>Multi-Use Trails</i>				
Rathburn Road West	Mavis Road	Confederation Parkway	0.91	Deferred to 2021 due to design updates
Total			0.91	

2021 Cycling Infrastructure Program

This section summarizes the City of Mississauga Cycling Infrastructure Program for 2021, implemented by the T&W Department.

Table 9 - Overview of the 2021 Cycling Program Facilities

Facility	Length Planned	Length Completed or Under Construction	Length Deferred or On Hold
New Multi-Use Trails	3.08	0	0
New Cycle Tracks	3.56	0	0
New Protected Bicycle Lanes	0.32	0	0
New Bicycle Lanes	0.39	0	0
Total	7.35	0	0

Table 10 - 2021 Planned Cycling Infrastructure Projects

Location	From	To	Length	Status
<i>Multi-Use Trails</i>				
Eglinton Avenue West	Erin Centre Trail	Oscar Peterson Boulevard / Southampton Drive	0.06	Design
Matheson Boulevard East	Creebank Road	Commerce Boulevard	3.00	Design
Southdown Road	Bromsgrove Road	Bromsgrove Road	0.02	Design (Intersection improvement)
<i>Cycle Tracks</i>				
Collegeway	Winston Churchill Boulevard	Mississauga Road	3.56	Design
<i>Protected Bicycle Lanes</i>				
Erin Centre Boulevard	Tenth Line	Oscar Peterson Boulevard	0.32	Design
<i>Bicycle Lanes</i>				
Commerce Boulevard	Matheson Boulevard East	Eglinton Avenue East	0.39	Design
Total			5.96	



Figure 1: West end of new Nine Creeks Trail at Winston Churchill Boulevard



Figure 2: Recently opened walking and cycling bridge over Highway 401 at Second Line

Community Services Projects

This section summarizes the City of Mississauga Cycling Infrastructure Program, implemented by the Community Services Department.

Table 11 - Overview of the Community Services Department Facilities

Facility	Length Planned	Length Completed or Under Construction	Length Deferred or On Hold
New Off-Road Trails	14.52	6.22	4.48
Total	14.52	6.22	4.48

Table 12 - Completed Off-Road Trail Projects

Location	From	To	Length	Status
<i>Off-Road Trails</i>				
Nine Creeks Trail	Winston Churchill Boulevard	Bromsgrove Road	1.47	Complete
Nine Creeks Trail	Whiteoaks Avenue	Truscott Drive	0.31	Complete
Nine Creeks Trail	Indian Road	Woodeden Drive	0.79	Complete
Nine Creeks Trail	Indian Grove	South Sheridan Way	0.10	Complete
Nine Creeks Trail	North Service Road	Camilla Road	0.25	Complete
Total			2.92	

Table 13 - Ongoing Off-Road Trail Projects

Location	From	To	Length	Status
<i>Off-Road Trails</i>				
Erin Centre Trail	Ninth Line	Winston Churchill Transitway Station	3.00	Substantial Completion
Nine Creeks Trail	Camilla Road	Cliff Road	0.56	Planning
ORT 7	Central Parkway East	Cawthra Road	1.10	Deferred to 2022 due to pipeline twinning through corridor
ORT 7	Tomken Road	Fieldgate Drive	2.14	Deferred to 2022 due to pipeline twinning through corridor
ORT 7	Tomken Road	Little Etobicoke Creek	0.30	Under Construction
ORT 11	Audubon Boulevard	Dundas Street East	3.26	Tendered/Programmed
ORT 20	South Service Road	Atwater Avenue	1.24	Deferred to 2023 due to conflicting regional project
Total			11.60	

Regional and Additional Projects

This section summarizes the bicycle infrastructure projects implemented within the City of Mississauga by the Region of Peel or other organizations.

Table 14 - Overview of Regional and Other Cycling Program Facilities

Facility	Length Planned	Length Completed or Under Construction	Length Deferred or On Hold
New Multi-Use Trails	6.37	6.37	0
New Cycle Tracks	0.24	0.24	0
Total	10.15	6.61	0

Table 15 - Regional Cycling Infrastructure Projects

Location	From	To	Length	Status
<i>Multi-Use Trails</i>				
Derry Road West	Lisgar Meadow Brook Trail	Lake Aquitaine Trail	2.02	Under Construction
Erin Mills Parkway	Britannia Road West	Credit Valley Road	3.54	Planned for 2021
Erin Mills Parkway	Burnhamthorpe Road West	Leanne Boulevard	3.30	Substantial Completion
Total			8.86	

Table 16 - Other Cycling Infrastructure Projects

Location	From	To	Length	Status
<i>Multi-Use Trails</i>				
Quartz Road	Burnhamthorpe Road West	Webb Drive	0.20	Under Construction (Developer project)
Second Line West	Sombrero Way	Donway Drive	0.85	Substantial Completion (MTO project)
<i>Cycle Tracks</i>				
John Street	200 m west	Hurontario Street	0.24	Complete (Metrolinx Project)
Total			1.29	

Crossrides

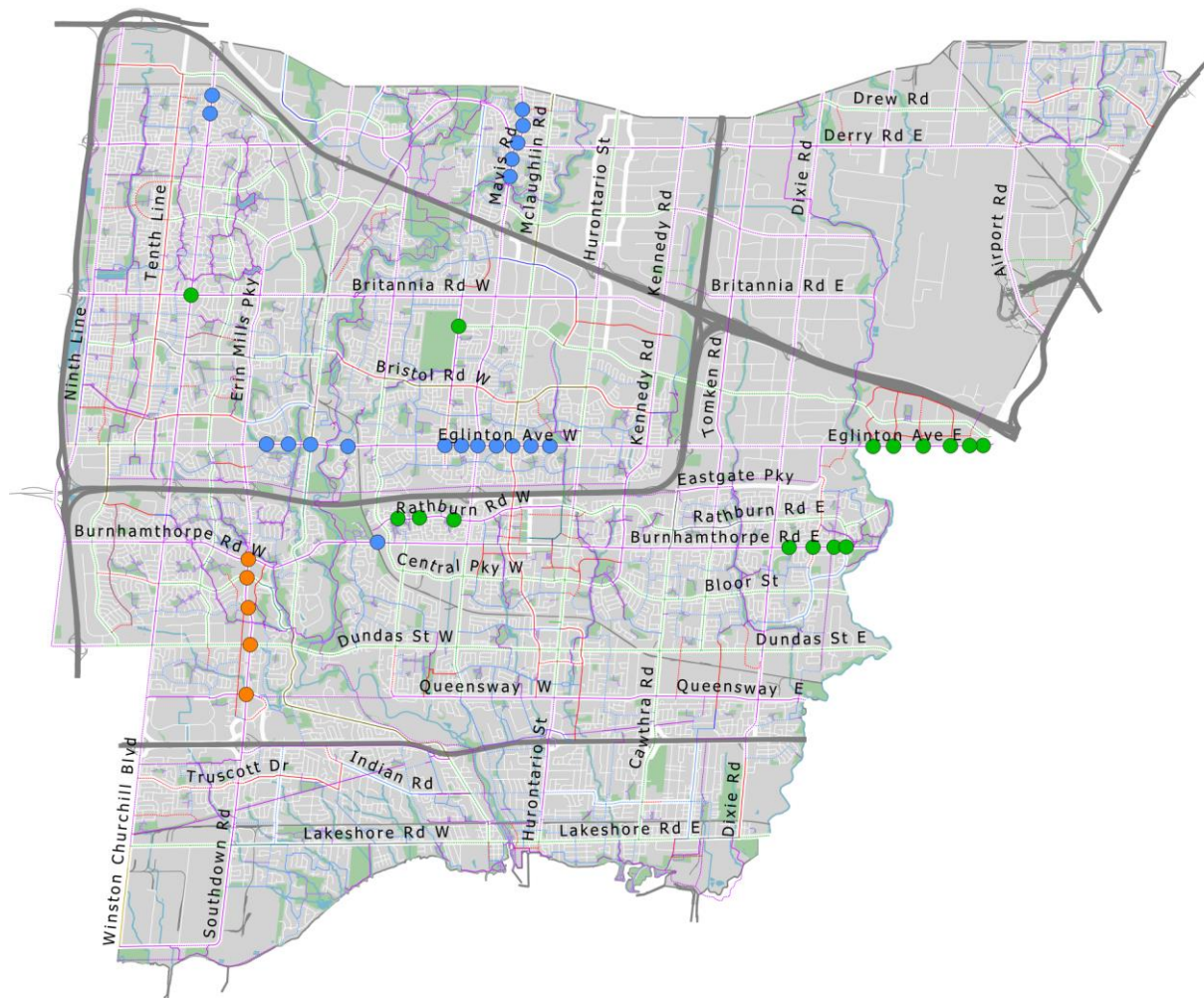
This section summarizes locations where crossrides are activated or under construction as of 2020 thus far.

Table 17 - New Signalized Crossrides

Location	Legs	Jurisdiction	Status
Burnhamthorpe Road West @ Erindale GO Station	1	Mississauga	Active
Eglinton Avenue West @ Barbertown Road	1	Mississauga	Active
Eglinton Avenue West @ Chase	1	Mississauga	Active
Eglinton Avenue West @ Fairwind Drive	1	Mississauga	Active
Eglinton Avenue West @ Guildwood Way	1	Mississauga	Active
Eglinton Avenue West @ Heatherleigh Avenue	1	Mississauga	Active
Eglinton Avenue West @ Heritage Hills Boulevard	1	Mississauga	Active
Eglinton Avenue West @ Mavis Road	1	Mississauga	Active
Eglinton Avenue West @ McLaughlin Road	1	Mississauga	Active
Eglinton Avenue West @ Mississauga Road	1	Mississauga	Active
Eglinton Avenue West @ Summersky Court	1	Mississauga	Active
Eglinton Avenue West @ Terry Fox Way	1	Mississauga	Active
Mavis Road @ Craig Carrier Court	1	Mississauga	Active
Mavis Road @ Crawford Mill Avenue	1	Mississauga	Active
Mavis Road @ Envoy Drive	1	Mississauga	Active
Mavis Road @ Knotty Pine Grove	1	Mississauga	Active
Winston Churchill Boulevard @ Crosscurrent Drive	1	Mississauga	Active
Winston Churchill Boulevard @ Tradewind Drive	1	Mississauga	Active
Derry Road West @ Mavis Road	2	Peel	Active
Erin Mills Parkway @ Burnhamthorpe Road West	2	Peel	Under Construction
Erin Mills Parkway @ Collegeway	1	Peel	Under Construction
Erin Mills Parkway @ Dundas Street West	1	Peel	Under Construction
Erin Mills Parkway @ Sheridan Park Drive	2	Peel	Under Construction
Erin Mills Parkway @ South Millway	1	Peel	Under Construction



Figure 3: New crossride for the Eglinton Multi-Use Trail at Barbertown Road



Map 2: Signalized Crossrides (as of August 2020)

- In service (activated 2020)
- In service (activated 2017-2019)
- Installation in progress (planned activation in 2020)

Bicycle Counters Status

The Transportation & Works department and Community Services Department use Eco-Counter brand devices to measure usage of existing cycling facilities. The Community Services department has 10 permanent counters, split between the Etobicoke Creek Trail and Waterfront Trail. The Transportation & Works department has 12 counters, located throughout the city.

Along trails, these devices use inductive loops in the asphalt to count bicycles, and a post with an infrared sensor to count pedestrians. The device gives individual counts for cyclists and pedestrians, and the direction of travel. On bike lanes, only inductive loops are used.



Figure 4: Urban Post Multi Eco-Counter at Eglinton Avenue west, east of Heritage Hills Boulevard

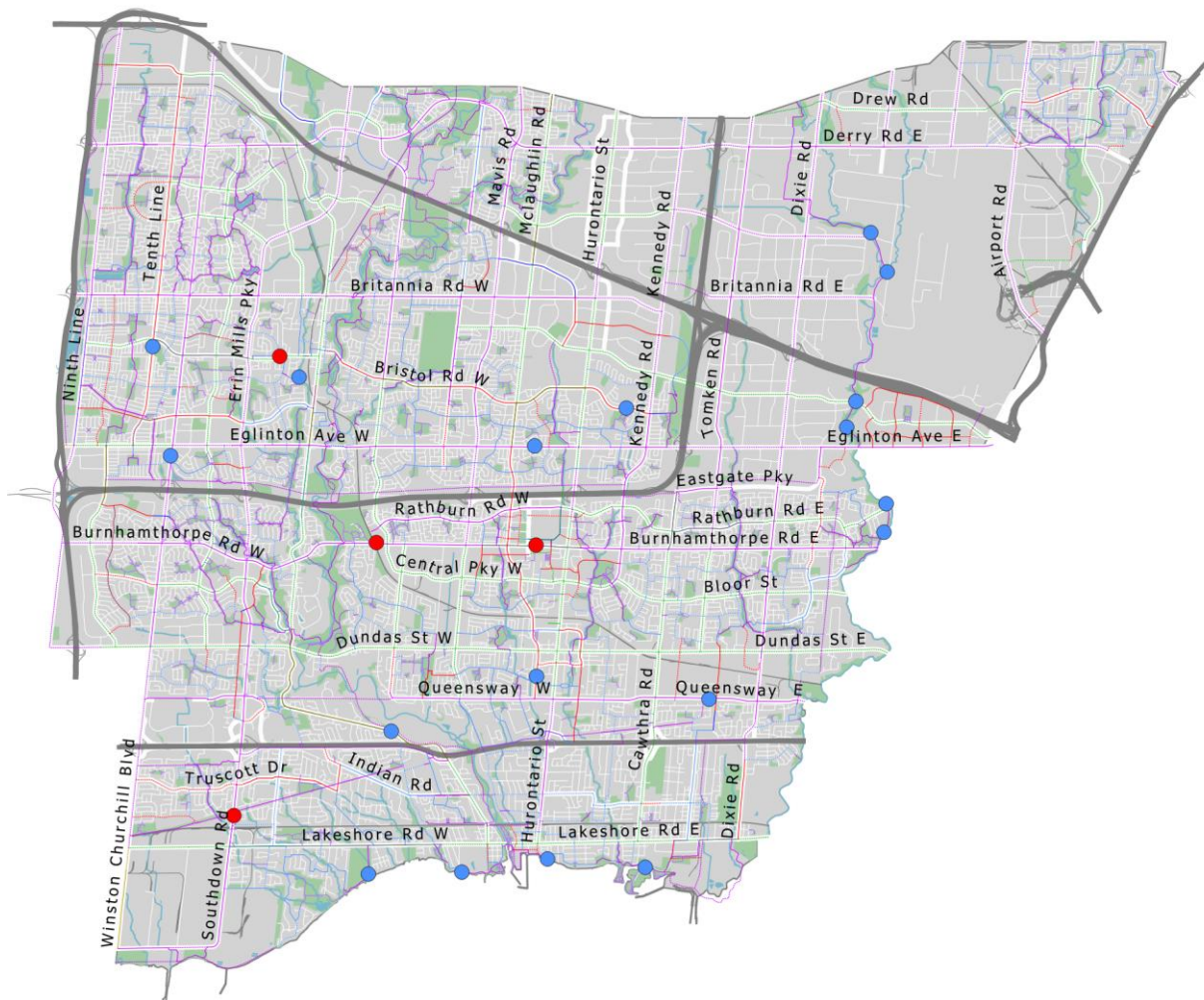
Note that there are also various non-permanent mobile cycling tube counters and pedestrian-only counters which are not shown for here.

Table 18 - Transportation & Works Permanent Eco-Counters

Location	Type	Year Installed	Status
Bristol BL @ E of Anthony	Lane loops	2019	Active
Burnhamthorpe MUT @ E of Duke of York	Post & loops	2014	Inactive – Major construction in area
Burnhamthorpe MUT @ Erindale GO	Post & loops	2019	Inactive – To be repaired
Confederation BL @ S of Floradale	Lane loops	2014	Active
Eglinton MUT @ E of Heritage Hills	Post & loops	2019	Active
Mississauga Road BL @ S of Beaverbrook	Lane loops	2014	Active
Queensway MUT @ W of Stanfield	Post & loops	2019	Active
Southdown MUT @ S of Nine Creeks Trail	Post & loops	2019	Inactive – To be repaired
Mullet Trail @ Streetsville GO	Post & loops	2018	Active
Tenth Line BL @ S of Thomas	Lane loops	2014	Active
Thomas Street MUT @ E of Vista	Post & loops	2018	Inactive – To be repaired
Winston Churchill MUT @ N of Artesian	Post & loops	2019	Active

Table 19 - Community Services Permanent Bicycle Eco-Counters

Location
Etobicoke Creek Trail @ Courtneypark (Airport)
Etobicoke Creek Trail @ Edward Scarlett Park
Etobicoke Creek Trail @ Garnetwood Park (North)
Etobicoke Creek Trail @ Garnetwood Park (South)
Etobicoke Creek Trail @ Sismet (North)
Etobicoke Creek Trail @ Sismet (South)
Waterfront Trail @ Ben Machree Park
Waterfront Trail @ Jack Darling Park
Waterfront Trail @ Lakefront Promenade
Waterfront Trail @ St Lawrence Park



Map 3: Bicycle Counters (as of August 2020)

- In service
- Not in service

Bicycle Repair Stands

Bicycle repair stands include an air pump and common tools required for basic bicycle repairs and adjustments. There are three repair stands operated by Community Services and one operated by Transportation & Works.

Table 20 - Bicycle Repair Stands

Location	Year Installed	Owner	Status
Etobicoke Creek Trail @ Britannia Road E	2018	Mississauga CMS	Active
Etobicoke Creek Trail @ Fleetwood Park	2018	Mississauga CMS	Active
Waterfront Trail @ Jack Darling Park	2019	Mississauga CMS	Active
Sheridan Park Drive @ Fifth Line	2020	Mississauga T&W	Active – Pump to be installed



Figure 5: Bicycle repair stand on the Etobicoke Creek Trail at Britannia Road East



- In service

Bicycle Parking Program

A Bicycle Parking Program is currently being developed by the Transportation & Works department to increase the amount of safe, secure, and accessible bicycle parking throughout the City of Mississauga. During the program development, the following is being investigated:

- Current bicycle parking infrastructure data development and sharing
- Bicycle parking requests and reporting for businesses and citizens
- Long-term network planning
- Annual bicycle parking implementation program

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