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Date March 2, 2021 **Report No. 2021-161**

To Chair and Members
Committee of the Whole-Operations and Administration

From Inderjit Hans, P.Eng., PMP
General Manager, Public Works Commission

1.0 Type of Report

Consent Item ☐
Item For Consideration ☒

2.0 Topic On-Road Active Transportation Wayfinding Plan and Implementation [Financial Impact-None]

3.0 Recommendation

- A. THAT Report No. 2021-161 titled "On-Road Active Transportation Wayfinding Plan and Implementation" including sign design BE RECEIVED; and
- B. THAT the On-Road Active Transportation Wayfinding Plan and Implementation, including sign design BE APPROVED: and
- C. That staff BE DIRECTED to proceed with implementation of the On-Road Active Transportation Wayfinding Plan as presented in Report No. 2021-161.

4.0 Executive Summary

The intent of this report is to obtain Council approval of the On-Road Active Transportation Wayfinding signage design, Location Plan and the implementation of the On-Road Active Transportation Plan that includes 176 new signs on seven existing active transportation corridors. This implementation

plan follows recommendations from the Share the Road Workshop held in April 2018 as part of the Transportation Master Plan, which will provides a greater level of legibility and understanding of the on-road active transportation network for both residents and visitors to the City of Brantford.

There are no financial implications with the proposed plan, which will be funded from existing capital for On Road Active Transportation Projects. The total project costs are estimated at \$74,500 with 80% (\$59,600) approved for funding provided to the City from the Ontario Municipal Commuter Cycling Program, which requires completion before the end of 2021.

5.0 Purpose and Overview

To design and install a new system of wayfinding signs throughout the City that will create a greater level of legibility and understanding of the on-road active transportation network. The installation will be completed through an external contractor.

To assist visitors in easily navigating their way to City-owned facilities and major points of destinations in the City.

To prepare an implementation and phasing strategy that will enable the expansion of the wayfinding program City-wide.

6.0 Background

Municipal wayfinding signage is intended to inform and direct visitors and residents to key points of interest related to cultural and recreational amenities, business districts, and municipal services. This includes an overall signage design that is cohesive, attractive and easy to follow, and creates improved branding for the City of Brantford.

At its May 7, 2019 meeting, City Council received the report that outlined the recommendations from Report 2019-203 "Bicycle Friendly Community". Council also passed the following recommendation to begin the process for implementation:

THAT Staff BE DIRECTED to prepare cost estimates of the Consultants recommendations in advance of the Estimates process this year;

That report adopted the outcomes from the Share the Road Workshop that was held on April 5, 2018. One of the eight recommendations in the Engineering category is as follows:

- As part of the overall cycling strategy, create and design effective wayfinding signage across Brantford to direct people to popular destinations.

Wayfinding signage can serve many different purposes—from highlighting safe routes to informing riders about nearby destinations. This wayfinding plan directs riders to the on-road routes through Brantford, provides clear information about the destinations and amenities along the route, and provides information about the distance to those destinations. It is designed to flow seamlessly with the off-road wayfinding plan.

Additionally, at its October 6, 2020 meeting, City Council approved the recommendations from Report 2020-427 “2020 Transportation Master Plan Update-Final” report. That report identified the measures that the City should undertake to encourage Active Transportation in the community, including the recommendations outlined in the Share the Road Workshop Report of April 2018.

7.0 Corporate Policy Context

The use of OMCC funding for this Active Transportation project is consistent with current Council priority to use non-tax revenues, such as provincial funding to offset the use of expenditures and reduce property taxes.

In October 2020, Council approved the recommendations identified in the 2020 Transportation Master Plan Update (Report 2020-427). A significant part of the 2020 Transportation Master Plan (TMP) Update, are recommendations that improve the active transportation strategy from the 2014 TMP. The goal is to increase walking and cycling as a viable form of transportation by improving the bikeway and trail network and reducing reliance on auto trips.

Active Transportation includes walking and cycling modes of travel. For these modes to reach their full potential, the network and user environment must be planned and implemented with specific goals and objectives in place.

The principles of Complete Streets that were applied in the Transportation Master Plan have been applied to define the goals and objectives for the Cycling mode are as follows:

Provide safe and convenient bicycle routes suitable for all user types: utilitarian (commuting), recreational (personal or family discretionary), and sport (advanced, high level recreational). This will be achieved through facility continuity, ensuring ease of navigation, providing end of trip

facilities, ensuring a safe environment, provide appropriate environments for different user types.

The City of Brantford Official Plan, under section 11.7 identifies the following policy related to Bikeways and Trails network:

*Council shall encourage development of a comprehensive network of bikeways and trails throughout the City to connect residential, institutional, commercial, and industrial areas in accordance with the facilities shown on **Schedule 5.3-Transportation: Bikeways and Trails Network Plan.***

The following Desired Outcome #3 from Council Priorities 2021-2022 is addressed with the recommendation:

A safe, efficient transportation system connects the community across neighbourhoods, with neighbouring communities and provincial transportation networks.

8.0 Input From Other Sources

Parks Services and Communications were given the opportunity to review and comment on the draft version of the proposed sign designs. It was recommended that the colour scheme remain the same between off-road active transportation wayfinding and on-road active transportation wayfinding to provide a cohesive network of wayfinding signage. Additionally, the symbols that identify major points of destination on the signs will be provided through the contractor and approved by Communications.

9.0 Analysis

9.1 Sign Design, Placement and Schedule

The active transportation wayfinding strategy includes the construction and installation of 176 signs to be mounted onto 48 posts throughout the City on the main active transportation routes. These seven existing routes include the following:

- North Park Street/Memorial Drive Corridor
- Erie Avenue Corridor
- Veterans Memorial Parkway Multi-Use Path
- Shellard Lane Multi-Use Path

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- Wayne Gretzky Parkway Multi-Use Path
 - Garden Avenue Corridor
 - Brantwood Park Road Corridor

Design standards will follow the branding that was identified through Parks Services Wayfinding Plan in order to create a design that is recognizable and consistent throughout the City as provided in Appendix 'A'. The implementation plan includes a placement plan, shown in Appendix B with sign locations and content that will be included on the approved sign design. The details of the location of each sign are provided in Appendix D of this report.

The preliminary schedule of proposed implementation is as follows:

- March: Council approval of design and implementation plan
- April: Prepare tender documents for procuring contractor
- May to July: Implementation of sign posts and wayfinding signage

9.2 Future Considerations

While implementing the Wayfinding Plan on the current active transportation routes is recommended as the first priority, consideration must also be given to future infrastructure as developed. Including wayfinding design, budgeting, and construction of future on-road active transportation facilities can be cost effective and ensure a consistent and cohesive image is developed incrementally over time without the need to undertake a larger wayfinding project to incorporate those facilities in the future. All future signage will be implemented with approval from the General Manager of Public Works and an informational memorandum providing updates on the wayfinding network will be included in the reports to council for each future active transportation project.

10.0 Financial Implications

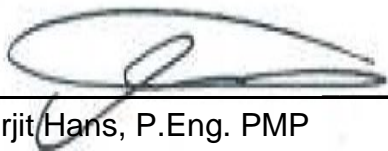
The project budget to implement the Wayfinding Signage Plan has been approved as part of the On-Road Active Transportation capital program. The financial implications are detailed below.

The Wayfinding Signage Plan was made a viable project in part because of the Ministry of Transportation's Ontario Municipal Commuter Cycling (OMCC) Program funding (PW2018-008). The OMCC program is a multi-year program

that provides direct, dedicated, annual funding to Ontario municipalities to support the implementation of commuter cycling infrastructure to encourage people to get out of their cars and onto bikes for their daily commute or other frequent trips. The OMCC has contributed up to 80% of the implementation cost, under a number of conditions, including the requirement for completion of the project by the end of 2021. While the total project cost is approximately \$74,500, the City portion is estimated to be approximately \$14,900 that will be funded through the existing 'On Road Active Transportation' capital project (TS1505). It is critical that wayfinding signs are installed by the end of 2021, in order for the project to be eligible for the \$59,600 in OMCC funding, otherwise funding would need to be returned to the Province. An outline of total costs associated with the project can be found in Appendix 'C'.

11.0 Conclusion

Bicycling is an important mode of transportation in the City of Brantford that is affordable, environmental and efficient. By implementing these wayfinding signs, the City of Brantford continues to encourage active transportation and its long-term health, economic, social, and livability benefits to its residents.



Inderjit Hans, P.Eng. PMP
General Manager, Public Works Commission

Prepared By:

Kathryn Broadbelt, Transportation Planning Project Coordinator

Attachments (if applicable)

Appendix A-On-Road Active Transportation Sign Design Standard

Appendix B-Sign Location Placement Plan

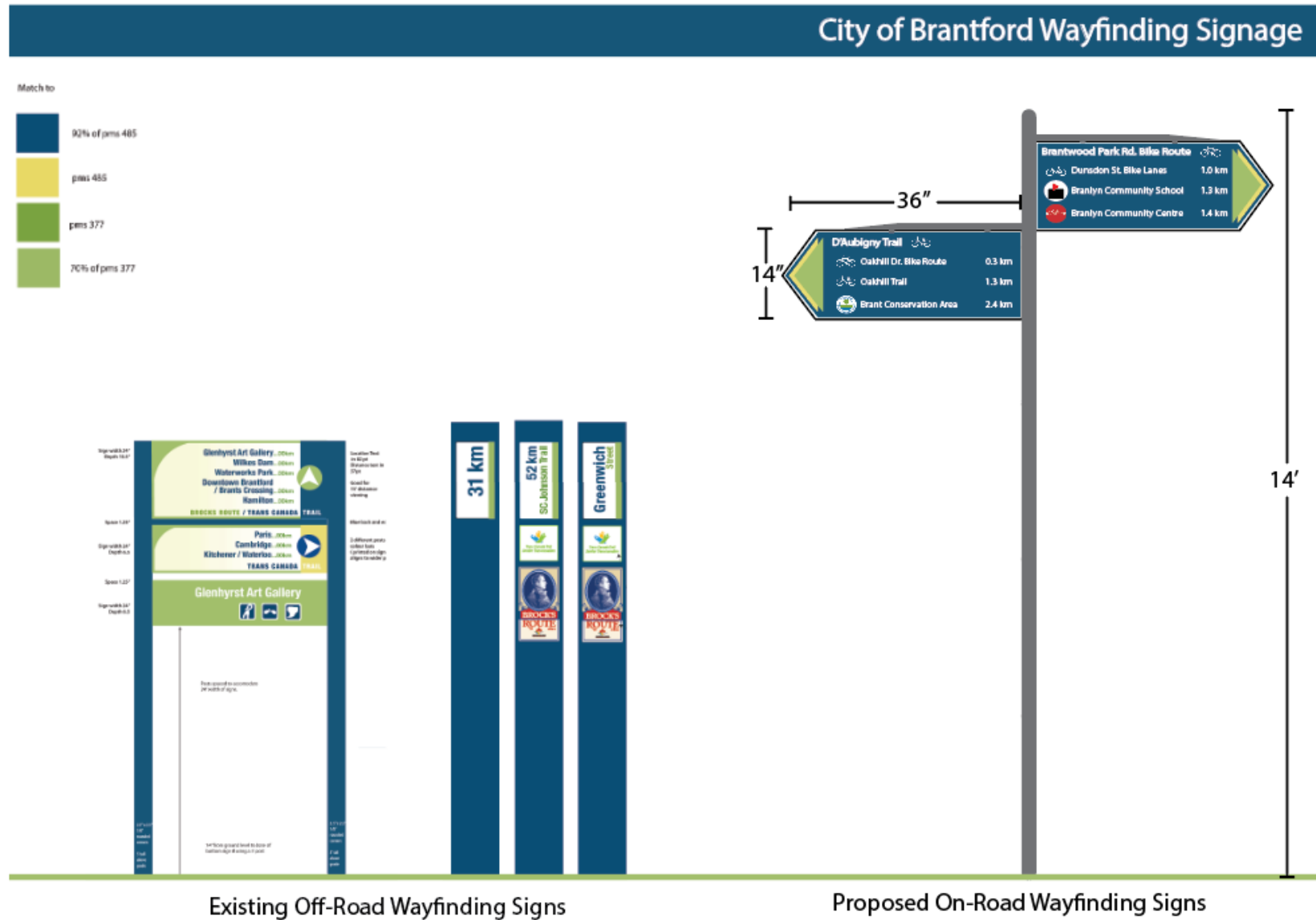
Appendix C-Cost Breakdown

Appendix D-Sign Information

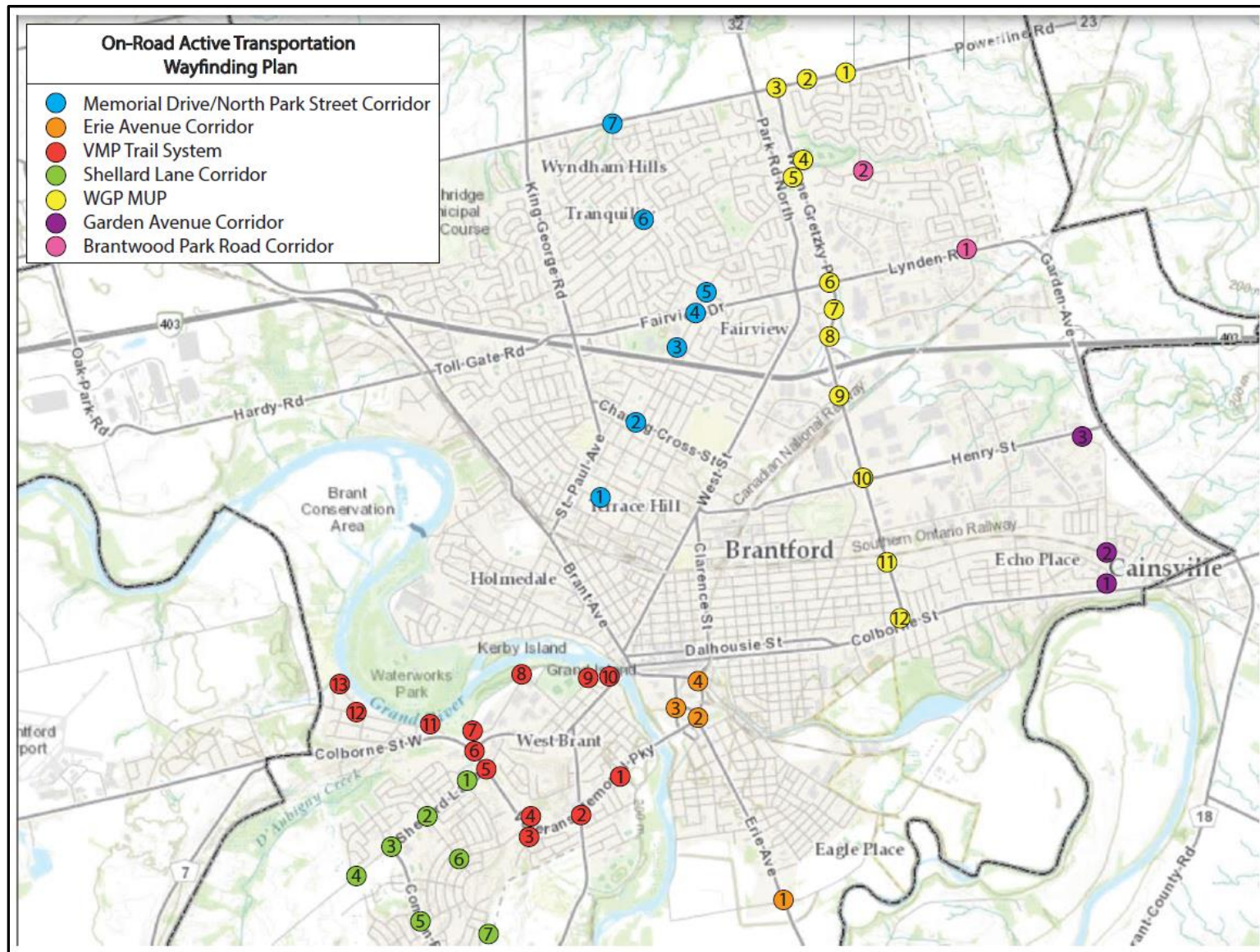
In adopting this report, is a by-law or agreement required? If so, it should be referenced in the recommendation section.

By-law required	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Agreement(s) or other documents to be signed by Mayor and/or City Clerk	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Is the necessary by-law or agreement being sent concurrently to Council?	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no

APPENDIX 'A' - On-Road Active Transportation Wayfinding Sign Design Standard



APPENDIX 'B' - Sign Location Placement Plan



APPENDIX 'C' - Cost Breakdown

City of Brantford Wayfinding - Spring / Early Summer 2021.

CATEGORY	KEY ITEMS	DETAILS	Budget Allocation
Snapshot Overview	Post Locations	48-50	
	Signs Needed	175-180	
	Artwork supplied	Strada	
	Installation location	Within City Limits of Brantford	
	Durability	10 years	
	Replication	Additional signs required for program	
	Vendor	Contracted and will provide supply & installation	
Post Details	Post Type	Telespar Anchor 2.25" 12ga 36" 48"	\$8,000.00
		14 ft Upper Post 2.000" 12 ga (heavy duty) square upper post	
		In soil or concrete surface mount option in several cases	
	Post Safety	Breakaway FHWA Standard	
Post Hardware	Brackets	Strada to Supply	\$12,500.00
	Post Hardware		
	Sign Hardware		
Sign Manufacturing	Design& Fabricate	Strada to Supply	\$25,000.00
	Size	14" w x 36"d	
	Image / Sides	2-sided	
	Substrate	.080 Aluminum	
	Reflectivity	3M High Intensity / Type 4	
	Font:	MTO/ FHWA Series or Clearview	
	Art info	Supplied by City	
	Design / Layout	Strada to Supply art Proofs	
	Colours	Mostly 2-3 colours - Some up to 5 colours.	
	Ink	Screen Print Method	
Pre- Installation	Identified Post		
	Location	City to provide marking for site location City to provide advance document indicating safe to dig or install post approximately 36"-48" deep into marked site location.	
	Dig Clearance		
	Sign Location	City to Provide legend of locations and required sign detail	
Installation Materials & Labour	Install post anchors, upper post, hardware & signage	Strada to Supply Labour hours	\$19,000.00
	Safety	Strada trained labour & materials.	
		City to Supply attendant, permissions, lane closure as needed	
	Project Timing	Approval March, Production April, Instal May-June	
		Above Project Sub-total	\$64,500.00
		Allowance for project change orders add ons or other variances	
Contingency	Unknown spec details	or modifications	\$10,000.00
Grant Total with Contingency			\$74,500.00

APPENDIX ‘D’ - Sign Information

Pole Name	Intersection Location	Sign Direction	Street Name	Pedestrian Route?	Location 1	Symbol	Location 1 Distance	Location 2	Symbol	Location 2 Distance	Location 3	Symbol	Location 3 Distance
North Park Street/Memorial Drive Corridor 1	North Park Street @ Dundas Street	East	Dundas St. Bike Route	Yes	Graham-Bell Victoria School	School	0.4 km	West St.		0.9 km	Clarence St.		1.1 km
		West	Dundas St. Bike Route	Yes	St. Paul Ave.		0.3 km	Hospital	Hospital	0.4 km			
		North	North Park St. Bike Lanes	Yes	Grandview School	School	0.5 km	Charing Cross St.		0.9 km	Wayne Gretzky Sports Centre	CC	1.7 km
North Park Street/Memorial Drive Corridor 2	North Park Street @ Charing Cross Street	East	Charing Cross St.	Yes	West St.		0.9 km						
		West	Charing Cross St.	Yes	St. Paul Ave.		0.3 km	King George Rd.		0.6 km			
		North	North Park St. Bike Lanes	Yes	Wayne Gretzky Sports Centre	CC	0.9 km	North Park Collegiate	School	1.0 km	Fairview Dr.		1.2 km
		South	North Park St. Bike Lanes	Yes	Grandview School	School	0.4 km	Dundas Street		0.9 km	Hospital	Hospital	1.2 km
North Park Street/Memorial Drive Corridor 3	North Park Street @ Wayne Gretzky Boulevard	East	Waddington St.	No	Joysey St.		0.1 km	Allwood St.		0.3 km			
		West	Walter Gretzky Blvd.	Yes	Wayne Gretzky Sports Centre	CC	0.1 km						
		North	North Park St. Bike Lanes	Yes	North Park Collegiate	School	0.1 km	Fairview Dr.		0.4 km	Memorial Dr. Bike Lanes	Bike	0.6 km
		South	North Park St. Bike Lanes	Yes	Charing Cross St.		0.9 km	Grandview School	School	1.3 km	Dundas St.		1.7 km
North Park Street/Memorial Drive Corridor 4	North Park Street @ Fairview Drive	East	Fairview Dr.	Yes	St. Patrick School	School	0.2 km	West St.		1.1 km	Wayne Gretzky Pkwy. Trail	Bike	1.4 km
		West	Fairview Dr.	Yes	Wayne Gretzky Sports Centre	CC	0.6 km	King George Rd.		1.3 km			
		North	North Park St. Bike Lanes	Yes	Memorial Dr. Bike Lanes	Bike	0.2 km	Cameron Heights Park		0.4 km	Blackfriar Ln.		0.6 km
		South	North Park St. Bike Lanes	Yes	North Park Collegiate	School	0.2 km	Wayne Gretzky Sports Centre	CC	0.4 km	Charing Cross St.		1.2 km
North Park Street/Memorial Drive Corridor 5	North Park Street @ Memorial Drive	East	Memorial Dr.	Yes	Fairview Dr.		0.2 km	St. Patrick School	School	0.3 km	Braemar House School	School	0.5 km
		West	Memorial Dr. Bike Lanes	Yes	Dunsdon St. (Bike Lanes?)	Bike	1.0 km	St. Leo School	School	1.6 km	Powerline Rd.		2.1 km
		North	North Park St.	Yes	Camerson Heights Park		0.1 km	Spartan Dr.		0.2 km	Blackfriar Ln.		0.4 km
		South	North Park St. Bike Lanes	Yes	Fairview Dr.		0.2 km	North Park Collegiate	School	0.5 km	Wayne Gretzky Sports Centre	CC	0.6 km

North Park Street/Memorial Drive Corridor 6	Memorial Drive @ Dunsdon Street	East	Dunsdon St. (Bike Lanes)?	Yes	Blackfriar Ln.		0.3 km	Park Rd. N.		1.5 km	Wayne Gretzky Pkwy. Trail	Bike	1.6 km
		West	Dunsdon St. (Bike Lanes)?	Yes	Wilkes Park		0.5 km	King George Rd.		1.1 km			
		North	Memorial Dr. Bike Lanes	Yes	St. Leo School	School	0.6 km	Royal Oak Park		0.8 km	Powerline Rd.		1.1 km
		South	Memorial Dr. Bike Lanes	Yes	North Park St. Bike Lanes	Bike	1.0 km	Fairview Dr.		1.2 km			
North Park Street/Memorial Drive Corridor 7	Memorial Drive @ Powerline Road	East	Powerline Rd.	No	Park Rd. N.		1.5 km	Wayne Gretzky Pkwy. Trail	Bike	1.7 km	Brantwood Park Rd. Bike Route	Bike	2.4 km
		West	Powerline Rd.	No	Francis St. (Bike Route?)	Bike	0.5 km	King George Rd.		0.9 km	Northridge Golf Course		2.6 km
		South	Memorial Dr. Bike Lanes	Yes	Royal Oak Park		0.2 km	St. Leo School	School	0.5 km	Dunsdon St. (Bike Route?)	Bike	1.1 km
Erie Avenue Corridor 1	Erie Avenue @ Dike Trail	East	Dike Trail	Yes	Birkett Ln.		0.4 km	John Wright Soccer Complex	CC	1.2 km	Bellview Park		1.2 km
		West	Dike Trail	Yes	Birkett Ln.		0.7 km	River Rd.		1.8 km			
		North	Erie Ave. Bike Lanes	No	Jean Vanier Catholic School	School	0.7 km	Doug Snooks Eagle Place CC	CC	0.8 km	Tutela Park		1.7 km
		South	Erie Ave. Bike Lanes	No	Grand River Access		0.4 km	City Boundary		0.6 km			
Erie Avenue Corridor 2	Erie Avenue @ Clarence Street South	East	Clarence St. S. Multi-Use Path	Yes	Greenwich St.		0.4 km	Icomm Dr.		0.4 km	Brantford Farmers Market		0.5 km
		West	Veterans Memorial Pkwy.	No	Mount Pleasant St.		1.5 km	Veterans Memorial Pkwy. Trail	Bike	1.5 km	Blackburn Dr. Bike Route	Bike	2.2 km
		North	Erie Ave. Bike Lanes	Yes	Market St. S.		0.2 km	Dike Trail	Bike	0.2 km	Earl Haig Family Fun Park	CC	0.3 km
		South	Erie Ave. Bike Lanes	Yes	Tutela Park		0.5 km	Doug Snooks Eagle Place CC	CC	1.5 km	Jean Vanier Catholic School	School	1.6 km
Erie Avenue Corridor 3	Erie Avenue @ Market Street South	East	Erie Ave. Bike Lanes	Yes	Veterans' Memorial Pkwy.		0.2 km	Tutela Park		0.7 km	Doug Snooks Eagle Place CC	CC	1.7 km
		West	Dike Trail	Yes	Earl Haig Family Fun Park	CC	0.1 km	SC Johnson Trail	Bike	0.2 km	Fordview Trail	Bike	0.5 km
		North	Market St. S.	Yes	Brantford Civic Centre	CC	0.1 km	Elements Casino		0.2 km	Icomm Dr.		0.3 km
		South	Market St. S.	Yes	Eagle Ave.		0.4 km	Parksons Park		1.2 km	Princess Elizabeth School	School	1.2 km

Erie Avenue Corridor 4	Clarence Street South @ Greenwich Street	East	Greenwich St.	Yes	Eagle Ave.		0.5 km	Mohawk St.		0.9 km		
		West	Icomm Dr.	Yes	Brantford Farmers Market		0.1 km	Elements Casino		0.4 km	Brantford Skate Park	0.6 km
		North	Clarence St. S.	Yes	Colborne St. E.		0.3 km	Dalousie St.		0.4 km	West St.	1.7 km
		South	Clarence St. S. Multi-Use Path	Yes	Erie Ave. Bike Lanes	Bike	0.4 km	Veterans Memorial Pkwy. Trail	Bike	0.4 km		
Veterans Memorial Parkway Trail System 1	VMP Trail @ Graham Avenue	East	Graham Ave. Bike Route	No	Gilkison St. Multi-Use Path	Bike	0.4 km	Dogford Park		0.6 km		
		West	Veterans Memorial Pkwy. Trail	Yes	Mount Pleasant St.		0.3 km	L.E. & N. Trail	Bike	0.9 km	Blackburn Dr. Bike Route	1.0 km
Veterans Memorial Parkway Trail System 2	VMP @ Mount Pleasant Street	East	Veterans Memorial Pkwy. Trail	Yes	Graham Ave. Bike Route	Bike	0.3 km	Gilkison St. Multi-Use Path	Bike	0.8 km	Dogford Park	1.0 km
		West	Veterans Memorial Pkwy. Trail	Yes	L.E. & N. Trail	Bike	0.5 km	Blackburn Dr. Bike Route	Bike	0.6 km	Shellard Ln. Multi-Use Path	1.4 km
		North	Mount Pleasant St.	Yes	Colborne St. W.		0.9 km					
		South	Mount Pleasant St.	Yes	Gilkison Trail	Bike	0.8 km	Lion's Park		0.9 km	Bell Homestead Historic Site	2.2 km
Veterans Memorial Parkway Trail System 3	VMP @ Blackburn Drive	East	Veterans Memorial Pkwy. Trail	Yes	L.E. & N. Trail	Bike	0.1 km	Mount Pleasant St.		0.6 km	Graham Ave. Bike Route	1.0 km
		West	Blackburn Dr. Bike Route	Yes	Diana Ave. Bike Lanes	Bike	0.3 km	Flanders Dr. Bike Route	Bike	0.8 km	Conklin Rd. Bike Lanes	1.7 km
		North	Veterans Memorial Pkwy. Trail	Yes	Shellard Ln. Multi-Use Path	Bike	0.7 km	Colborne St. W.		1.0 km	T.H. & B. Rail Trail	1.1 km
Veterans Memorial Parkway Trail System 4	VMP @ Blackburn Drive	East	Veterans Memorial Pkwy. Trail	Yes	L.E. & N. Trail	Bike	0.1 km	Mount Pleasant St.		0.6 km	Graham Ave. Bike Route	1.0 km
		West	Blackburn Dr. Bike Route	Yes	Diana Ave. Bike Lanes	Bike	0.3 km	Flanders Dr. Bike Route	Bike	0.8 km	Conklin Rd. Bike Lanes	1.7 km
		North	Veterans Memorial Pkwy. Trail	Yes	Shellard Ln. Multi-Use Path	Bike	0.7 km	Colborne St. W.		1.0 km	T.H. & B. Rail Trail	1.1 km

Veterans Memorial Parkway Trail System 5	VMP @ Shellard Lane	East	Shellard Ln.	Yes	Hillcrest Ave.		0.2 km	Colborne St. W.		0.4 km		
		West	Shellard Ln. Multi-Use Path	Yes	Diana Ave. Bike Lanes	Bike	0.3 km	St. Gabriel Catholic School	School	0.8 km	Assumption College School	School 1.1 km
		North	Veterans Memorial Pkwy. Trail	Yes	Colborne St. W.		0.2 km	T.H. & B. Rail Trail	Bike	0.3 km	D'Aubigny Trail	Bike 0.4 km
		South	Veterans Memorial Pkwy. Trail	Yes	Blackburn Dr. Bike Route	Bike	0.7 km	L.E. & N. Trail	Bike	0.8 km		
Veterans Memorial Parkway Trail System 6	VMP @ Colborne Street West	East	Colborne St. W.	Yes	Mount Pleasant St.		1.1 km	Fordview Trail	Bike	1.6 km	Downtown Brantford	2.0 km
		West	Multi-Use Path	Yes	Canning St.		0.1 km	St. Patricks Dr. Bike Route	Bike	0.3 km		
		North	Veterans Memorial Pkwy. Trail	Yes	George Campbell Park		0.1 km	D'Aubigny Trail	Bike	0.2 km	D'Aubigny Creek Park	0.3 km
		South	Veterans Memorial Pkwy. Trail	Yes	Shellard Ln. Multi-Use Path	Bike	0.2 km	Blackburn Dr. Bike Route	Bike	1.0 km	L.E. & N. Trail	Bike 1.1 km
Veterans Memorial Parkway Trail System 7	VMP Trail @ Spalding Drive	East	Spalding Dr.	No	George Campbell Park		0.1 km	Bill Little Park		0.5 km		
		West	Spalding Dr. Multi-Use Path	Yes	D'Aubigny Trail	Bike	0.1 km	D'Aubigny Creek Park		0.2 km	Oakhill Dr. Bike Route	Bike 0.2 km
		North	Ballantyne Dr. Bike Lanes	No	D'Aubigny Trail	Bike	1.0 km	Boat Launch		1.0 km	Cockshutt Park	1.2 km
		South	Veterans Memorial Pkwy. Trail	Yes	Colborne St. W.		0.1 km	T.H. & B. Rail Trail	Bike	0.2 km	Shellard Ln. Multi-Use Path	Bike 0.3 km
Veterans Memorial Parkway Trail System 8	Ballantyne Drive @ D'Aubigny Trail	East	Ballantyne Dr. Bike Lanes	No	Cockshutt Park		0.3 km	Lorne Park		0.8 km	Fordview Trail	Bike 0.9 km
		West	Ballantyne Dr. Bike Lanes	No	Spalding Dr. Multi-Use Path	Bike	1.0 km	Veterans Memorial Pkwy. Trail	Bike	1.0 km	Colborne St. W.	1.1 km
		North	D'Aubigny Trail	Yes	Boat Launch		0.1 km	D'Aubigny Creek Park		0.8 km		
Veterans Memorial Parkway Trail System 9	Ballantyne Drive @ Sherwood Drive	East	Ballantyne Dr. Bike Lanes	Yes	Lorne Park		0.1 km	Fordview Trail	Bike	0.2 km	Colborne St. W.	0.2 km
		West	Ballantyne Dr. Bike Lanes	No	D'Aubigny Trail	Bike	0.7 km	Boat Launch		0.7 km	Veterans Memorial Pkwy. Trail	Bike 1.7 km
		South	Sherwood Dr.	No	Cockshutt Park		0.2 km	Arnold Anderson Stadium	CC	0.2 km	Colborne St. W.	0.8 km

Veterans Memorial Parkway Trail System 10	Ballantyne Drive @ Fordview Trail	East	Fordview Trail	Yes	Dike Trail	Bike	0.4 km	Earl Haig Family Fun Park	CC	0.7 km			
		West	Ballantyne Dr. Bike Lanes	No	Cockshutt Park		0.5 km	Arnold Anderson Stadium	CC	0.5 km	D'Aubigny Trail	Bike	0.9 km
		South	Fordview Trail	Yes	Colborne St. W.		0.1 km						
Veterans Memorial Parkway Trail System 11	Spalding Drive @ Oakhill Drive @ D'Aubigny Trail	East	Spalding Dr. Multi-Use Path	Yes	Veterans Memorial Pkwy. Trail	Bike	0.2 km	Ballantyne Dr. Bike Lanes	Bike	0.2 km	George Campbell Park		0.3 km
		West	Oakhill Dr. Bike Route	Yes	Oak Hill Trail	Bike	1.3 km	Brant Conservation Area	GRCA	2.4 km			
		North	D'Aubigny Trail	Yes	D'Aubigny Creek Park		0.2 km	Boat Launch		1.2 km	Ballantyne Dr. Bike Lanes	Bike	1.3 km
		North	D'Aubigny Trail	Yes	Oakhill Dr. Bike Route	Bike	0.3 km	Oak Hill Trail	Bike	1.3 km	Brant Conservation Area	GRCA	2.4 km
Veterans Memorial Parkway Trail System 12	Oakhill Drive @ Kerr-Shaver Terrace	East	Oakhill Dr. Bike Route	Yes	D'Aubigny Trail	Bike	0.7 km	Spalding Dr. Multi-Use Path	Bike	1.1 km	Veterans Memorial Pkwy. Trail	Bike	1.2 km
		North	Kerr-Shaver Terrace	Yes	Oak Hill Trail	Bike	0.4 km	Brant Conservation Area	GRCA	1.5 km			
Veterans Memorial Parkway Trail System 13	Kerr-Shaver Terrace @ Oak Hill Trail	East	Kerr-Shaver Terrace	Yes	Oakhill Dr. Bike Route	Bike	0.4 km	D'Aubigny Trail	Bike	1.1 km	Veterans Memorial Pkwy. Trail	Bike	1.5 km
		North	Oak Hill Trail	Yes	Brant Conservation Area	GRCA	1.1 km	SC Johnson Trail	Bike	2.5 km			
Shellard Lane Corridor 1	Shellard Lane @ Diana Avenue	East	Shellard Ln. Multi-Use Path	Yes	Veterans Memorial Pkwy. Trail	Bike	0.3 km	Colborne St. W.		0.6 km			
		West	Shellard Ln. Multi-Use Path	Yes	St. Gabriel Catholic School	School	0.6 km	Ryerson Heights School	School	0.8 km	Assumption College School	School	0.8 km
		North	St. Patricks Dr.	Yes	Trail to VMP/Colborne St. W.		0.2 km	McGuinness Dr. Bike Route	Bike	0.7 km			
		South	Diana Ave. Bike Lanes	Yes	Garners Ln.		0.2 km	Gaydon Way		0.3 km	Blackburn Dr. Bike Route	Bike	0.7 km

Shellard Lane Corridor 2	Shellard Lane @ McGuiness Drive/Flanders Drive	East	Shellard Ln. Multi-Use Path	Yes	Diana Ave. Bike Lanes	Bike	0.5 km	Veterans Memorial Pkwy. Trail	Bike	0.8 km	Colborne St. W.		1.2 km
		West	Shellard Ln. Multi-Use Path	Yes	Ryerson Heights School	School	0.3 km	Assumption College School	School	0.3 km	Conklin Rd. Bike Lanes	Bike	0.5 km
		North	McGuiness Dr.	Yes	St. Patricks Drive Bike Route	Bike	0.2 km	D'Aubigny Creek Wetlands		0.6 km			
		South	Flanders Dr.	Yes	St. Gabriel Catholic School	School	0.1 km	Blackburn Dr. Bike Route	Bike	0.6 km	Franklin Grobb Memorial Forest	Bike	0.8 km
Shellard Lane Corridor 3	Shellard Lane @ Conklin Road	East	Shellard Ln. Multi-Use Path	Yes	Ryerson Heights School	School	0.2 km	St. Gabriel Catholic School	School	0.5 km	Veterans Memorial Pkwy. Trail	Bike	1.3 km
		West	Shellard Ln. Multi-Use Path	Yes	Powell Rd.		0.5 km	McGuiness Dr. Bike Route	Bike	0.5 km	City Boundary		2.3 km
		North	Conklin Rd.	Yes	Dowden Ave.		0.2 km	McGuiness Dr. Bike Route	Bike	0.4 km			
		South	Conklin Rd. Bike Lanes	Yes	Assumption College School	School	0.1 km	Blackburn Dr. Bike Route	Bike	1.0 km	L.E. & N. Trail	Bike	1.5 km
Shellard Lane Corridor 4	Shellard Lane @ McGuiness Drive/Powell Road	East	Shellard Ln. Multi-Use Path	Yes	Conklin Rd. Bike Lanes	Bike	0.5 km	Assumption College School	School	0.5 km	Ryerson Heights School	School	0.6 km
		West	Shellard Ln. Multi-Use Path	Yes	City Boundary		1.8 km						
		North	McGuiness Dr.	Yes	D'Aubigny Creek Wetlands		0.6 km	St. Patricks Dr. Bike Route	Bike	1.2 km			
		South	Powell Rd.	Yes	Blackburn Dr. Bike Route	Bike	1.0 km	St. Basil Catholic School	School	1.1 km	Walter Gretzky School	School	1.2 km
Shellard Lane Corridor 5	Conklin Road @ Blackburn Drive	East	Blackburn Dr. Bike Route	Yes	Hickory Park Trail	Bike	0.3 km	Flanders Dr. Bike Route	Bike	0.9 km	Diana Ave. Bike Lanes	Bike	1.4 km
		West	Blackburn Dr. Bike Lanes	Yes	St. Basil Catholic School	School	0.4 km	Walter Gretzky School	School	0.5 km			
		North	Conklin Rd. Bike Lanes	Yes	Assumption College School	School	0.9 km	Shellard Ln. Multi-Use Path	Bike	1.0 km			
		South	Conklin Rd. Bike Lanes	Yes	L.E. & N. Trail	Bike	0.4 km	Mount Pleasant Rd.		0.6 km			

Shellard Lane Corridor 6	Blackburn Drive @ Flanders Drive	East	Blackburn Dr. Bike Route	Yes	Diana Ave. Bike Lanes	Bike	0.4 km	Veterans Memorial Pkwy. Trail	Bike	0.8 km			
		West	Blackburn Dr. Bike Route	Yes	Conklin Rd. Bike Lanes	Bike	1.0 km	St. Basil Catholic School	School	1.4 km	Walter Gretzky School	School	1.5 km
		North	Flanders Dr. Bike Route	Yes	St. Gabriel Catholic School	School	0.4 km	Shellard Ln. Multi-Use Path	Bike	0.6 km	St. Patricks Dr. Bike Route	Bike	0.8 km
		South	Flanders Dr. Bike Route	Yes	Webb Ave.		0.1 km	Hunter Way		0.2 km	Franklin Grobb Memorial Forest	Bike	0.2 km
Shellard Lane Corridor 7	Conklin Road @ L.E. & N. Trail	East	L.E. & N. Trail	Yes	Franklin Grobb Memorial Forest	Bike	1.2 km	Veterans Memorial Pkwy. Trail	Bike	1.8 km			
		West	L.E. & N. Trail	Yes	City Boundary		1.3 km						
		North	Conklin Rd. Bike Lanes	Yes	Blackburn Dr. Bike Route	Bike	0.4 km	Assumption College School	School	1.3 km	Shellard Ln. Multi-Use Path	Bike	1.5 km
		South	Conklin Rd.	No	Mount Pleasant Rd.		0.2 km						
Wayne Gretzky Parkway Multi-Use Path Corridor 1	Powerline Road @ Brantwood Park Road	East	Powerline Rd.	No	Coulbeck Rd.		0.5 km	City Boundary		0.6 km			
		West	Powerline Trail	Yes	Andrew W. Pate Park		0.4 km	Wayne Gretzky Pkwy. Trail	Bike	0.7 km	Park Rd. N.		0.9 km
		South	Brantwood Park Rd. Bike Route	Yes	Dunsdon St. Bike Lanes	Bike	1.0 km	Branlyn Community School	School	1.3 km	Branlyn Community Centre	CC	1.4 km
Wayne Gretzky Parkway Multi-Use Path Corridor 2	Powerline Road @ Andrew W. Pate Park	East	Powerline Trail	Yes	Brantwood Park Rd. Bike Route	Bike	0.4 km	Coulbeck Rd.		1.0 km	City Boundary		1.1 km
		West	Powerline Trail	Yes	Wayne Gretzky Pkwy. Trail	Bike	0.3 km	Park Rd. N.		0.5 km	Memorial Dr. Bike Lanes	Bike	2.0 km
		South	Andrew W. Pate Park Trail	Yes	Viscount Rd.		0.2 km						
Wayne Gretzky Parkway Multi-Use Path Corridor 3	Powerline Road @ Wayne Gretzky Parkway	East	Powerline Trail	Yes	Andrew W. Pate Park		0.3 km	Brantwood Park Rd. Bike Route	Bike	0.7 km	City Boundary		1.4 km
		West	Powerline Rd.	No	Park Rd. N.		0.2 km	Memorial Dr. Bike Lanes	Bike	1.7 km	King George Rd.		2.6 km
		South	Wayne Gretzky Pkwy. Trail	Yes	Jaycee Sports Park		0.7 km	Dunsdon St. Bike Lanes	Bike	0.8 km	Lynden Park Mall		2.4 km

Wayne Gretzky Parkway Multi-Use Path Corridor 5	Wayne Gretzky Parkway @ Dunsdon Street	East	Dunsdon St. Bike Lanes	Yes	Jaycee Sports Park		0.2 km	Brantwood Park Rd. Bike Route	Bike	0.7 km		
		West	Dunsdon St. (Bike Route)?	Yes	Park Rd. N.		0.2 km	Memorial Dr. Bike Lanes	Bike	1.7 km	Wilkes Park	2.2 km
		north	Wayne Gretzky Pwky. Trail	Yes	Jaycee Sports Park Trail	Bike	0.1 km	Powerline Trail	Bike	0.8 km		
		South	Wayne Gretzky Pwky. Trail	Yes	Lynden Park Mall		1.6 km	Edmonson St. (Bike Lanes?)	Bike	1.8 km	Henry St. Multi-Use Path	Bike 3.3 km
Wayne Gretzky Parkway Multi-Use Path Corridor 6	Wayne Gretzky Parkway @ Dunsdon Street	East	Dunsdon St. Bike Lanes	Yes	Jaycee Sports Park		0.2 km	Brantwood Park Rd. Bike Route	Bike	0.7 km		
		West	Dunsdon St. (Bike Route)?	Yes	Park Rd. N.		0.2 km	Memorial Dr. Bike Lanes	Bike	1.7 km	Wilkes Park	2.2 km
		north	Wayne Gretzky Pwky. Trail	Yes	Jaycee Sports Park Trail	Bike	0.1 km	Powerline Trail	Bike	0.8 km		
		South	Wayne Gretzky Pwky. Trail	Yes	Lynden Park Mall		1.6 km	Edmonson St. (Bike Lanes?)	Bike	1.8 km	Henry St. Multi-Use Path	Bike 3.3 km
Wayne Gretzky Parkway Multi-Use Path Corridor 7	Wayne Gretzky Parkway @ Lynden Road	East	Lynden Road	Yes	Lynden Park Mall		0.2 km	Easton Rd. (Bike Lanes?)	Bike	0.5 km	Roy Blvd. (Bike Lanes?)	Bike 1.4 km
		West	Lynden Road	Yes	West St.		0.3 km	St. Patrick School	School	1.2 km	North Park St. Bike Lanes	Bike 1.4 km
		North	Wayne Gretzky Pwky. Trail	Yes	Dunsdon St. Bike Lanes	Bike	1.2 km	Jaycee Sports Park		1.3 km	Powerline Trail	Bike 2.1 km
		South	Wayne Gretzky Pwky. Trail	Yes	Lynden Park Mall		0.4 km	Edmonson St. (Bike Lanes?)	Bike	0.6 km	Henry St. Multi-Use Path	Bike 2.1 km
Wayne Gretzky Parkway Multi-Use Path Corridor 8	Wayne Gretzky Parkway @ Edmonson Street	East	Edmonson St.	Yes	Lynden Park Mall		0.1 km					
		West	Edmonson St.	Yes	West St.		0.4 km					
		north	Wayne Gretzky Pwky. Trail	Yes	Lynden Rd.		0.3 km	Dunsdon St. Bike Lanes	Bike	1.5 km	Jaycee Sports Park	1.6 km
		South	Wayne Gretzky Pwky. Trail	Yes	Edmonson St. (Bike Lanes?)	Bike	0.3 km	Henry St. Multi-Use Path	Bike	1.8 km	Brantford Police Station	2.4 km
Wayne Gretzky Parkway Multi-Use Path Corridor 9	Wayne Gretzky Parkway @ Edmonson Street	West	Edmonson St.	Yes	West St.		0.5 km	Farringford Dr. (Bike Route?)	Bike	0.5 km		
		North	Wayne Gretzky Pwky. Trail	Yes	Lynden Park Mall		0.4 km	Lynden Rd.		0.5 km	Jaycee Sports Park	1.9 km
		South	Wayne Gretzky Pwky. Trail	Yes	Henry St. Multi-Use Path	Bike	1.5 km	Brantford Police Station		2.1 km	Grey St. Bike Lanes	Bike 2.4 km

Wayne Gretzky Parkway Multi-Use Path Corridor 10	Wayne Gretzky Parkway @ Morton Avenue East	East	Holiday Dr.	No									
		West	Morton Ave. E.	Yes	West St.		1.0 km	Prince Charles School	School	1.3 km	North Park St. Bike Lanes	Bike	2.0 km
		North	Wayne Gretzky Pwky. Trail	Yes	Edmonson St. (Bike Lanes?)	Bike	0.6 km	Lynden Park Mall		1.1 km	Jaycee Sports Park		2.5 km
		South	Wayne Gretzky Pwky. Trail	Yes	Henry St. Multi-Use Path	Bike	0.9 km	Brantford Police Station		1.4 km	Grey St. Bike Lanes	Bike	1.7 km
Wayne Gretzky Parkway Multi-Use Path Corridor 11	Wayne Gretzky Parkway @ Henry Street	East	Henry St. Multi-Use Path	Yes	Garden Ave. (Bike Lanes?)	Bike	2.3 km						
		West	Henry St.	Yes	Stanley St.		0.1 km	Rawden St.		0.7 km	West St.		1.7 km
		North	Wayne Gretzky Pwky. Trail	Yes	Edmonson St. (Bike Lanes?)	Bike	1.5 km	Lynden Park Mall		1.9 km	Lynden Rd.		2.0 km
		South	Wayne Gretzky Pwky. Trail	Yes	Brantford Police Station		0.6 km	Grey St. Bike Lanes	Bike	0.9 km	Colborne St. E.		1.5 km
Wayne Gretzky Parkway Multi-Use Path Corridor 12	Wayne Gretzky Parkway @ Grey Street	East	Grey St. Bike Lanes	Yes	Woodman-Cainsville School	School	0.5 km	Woodman Park Community Ctr.	CC	0.6 km	Garden Ave. Bike Lanes	Bike	2.3 km
		West	Grey St.	Yes	Holy Cross School	School	0.4 km	Stanley St.		0.5 km	Rawden St.		1.0 km
		north	Wayne Gretzky Pwky. Trail	Yes	Brantford Police Station		0.4 km	Henry St. Multi-Use Path	Bike	0.9 km	Edmonson St. Bike Lanes	Bike	2.4 km
		South	Wayne Gretzky Pwky. Trail	Yes	Colborne St. E.		0.6 km	Park Rd. S.		0.7 km	Mohawk Park		1.1 km
Wayne Gretzky Parkway Multi-Use Path Corridor 13	Wayne Gretzky Parkway @ Colborne Street East	East	Colborne St. E. Bike Route	Yes	Echo Place School	School	0.2 km	St. Peter's School	School	1.3 km	Garden Ave. Bike Lanes	Bike	2.1 km
		West	Colborne St. E.	Yes	Pauline Johnson Collegiate	School	0.5 km	Dalhousie St.		0.7 km	Downtown Brantford		2.0 km
		North	Wayne Gretzky Pwky. Trail	Yes	Grey St. Bike Lanes	Bike	0.6 km	Brantford Police Station		1.0 km	Henry St. Multi-Use Path	Bike	1.5 km
		South	Park Rd. S.	Yes	Glenwood Dr.		0.3 km	Mohawk Park		0.4 km			
Garden Avenue Corridor 1	Garden Avenue @ Colborne Street East	East	Colborne St. E.	Yes	Johnson Rd.		0.3 km	Cainsville Trail	Bike	0.4 km	City Boundary		0.4 km
		West	Colborne St. E. Bike Route	Yes	St. Peter's School	School	0.9 km	Wayne Gretzky Pwky. Trail	Bike	2.1 km	Pauline Johnson Collegiate	School	2.5 km
		north	Garden Ave. Bike Lanes	Yes	Grey St. Bike Lanes	Bike	0.2 km	Elgin St.		0.9 km	Henry St. Bike Lanes	Bike	1.7 km

Garden Avenue Corridor 2	Garden Avenue @ Grey Street	West	Grey St. Bike Lanes	Yes	Woodman Park Community Ctr.	CC	1.7 km	Woodman-Cainsville School	School	1.8 km	Wayne Gretzky Pkwy. Trail	Bike	2.3 km
		north	Garden Ave. Bike Lanes	Yes	Elgin St.		0.7 km	Henry St. Bike Lanes	Bike	1.5 km			
		South	Garden Ave. Bike Lanes	Yes	Colborne St. E. Bike Route	Bike	0.2 km						
Garden Avenue Corridor 3	Garden Avenue @ Henry Street	East	Henry St. Multi-Use Path	Yes	Garden Ave.		0.2 km	City Boundary		0.2 km			
		West	Henry St. Bike Lanes	Yes	Wayne Gretzky Pkwy. Trail	Bike	2.3 km	Stanley St.		2.4 km	Rawden St.		3.0 km
		South	Garden Ave.	Yes	Elgin St.		0.8 km	Grey St. Bike Lanes	Bike	1.5 km	Colborne St. E. Bike Route	Bike	1.7 km
Brantwood Park Corridor 1	Brantwood Park Road @ Dunsdon Street	West	Dunsdon St. Bike Lanes	Yes	Jaycee Sports Park		0.5 km	Wayne Gretzky Pkwy. Trail	Bike	0.7 km	Park Rd. N.		0.9 km
		north	Brantwood Park Rd. Bike Route	Yes	Banbury Rd.		0.3 km	Viscount Rd.		0.4 km	Powerline Trail	Bike	1.0 km
		South	Brantwood Park Rd. Bike Route	Yes	Branlyn Community School	School	0.3 km	Branlyn Community Centre	CC	0.4 km	Lynden Rd.		1.6 km
Brantwood Park Corridor 2	Brantwood Park Road @ Lynden Road	East	Lynden Road	Yes	Garden Ave.		0.6 km	City Boundary		1.0 km			
		West	Lynden Road	Yes	Lynden Park Mall		1.1 km	Wayne Gretzky Pkwy. Trail	Bike	1.4 km	West St.		1.8 km
		north	Brantwood Park Rd. Bike Route	Yes	Branlyn Community Centre	Community Centre	1.2 km	Branlyn Community School	School	1.3 km	Dunsdon St. Bike Lanes	Bike	1.6 km