



MORE PEOPLE BIKING
MORE OFTEN

Moving on Marion - Phase III Final Design

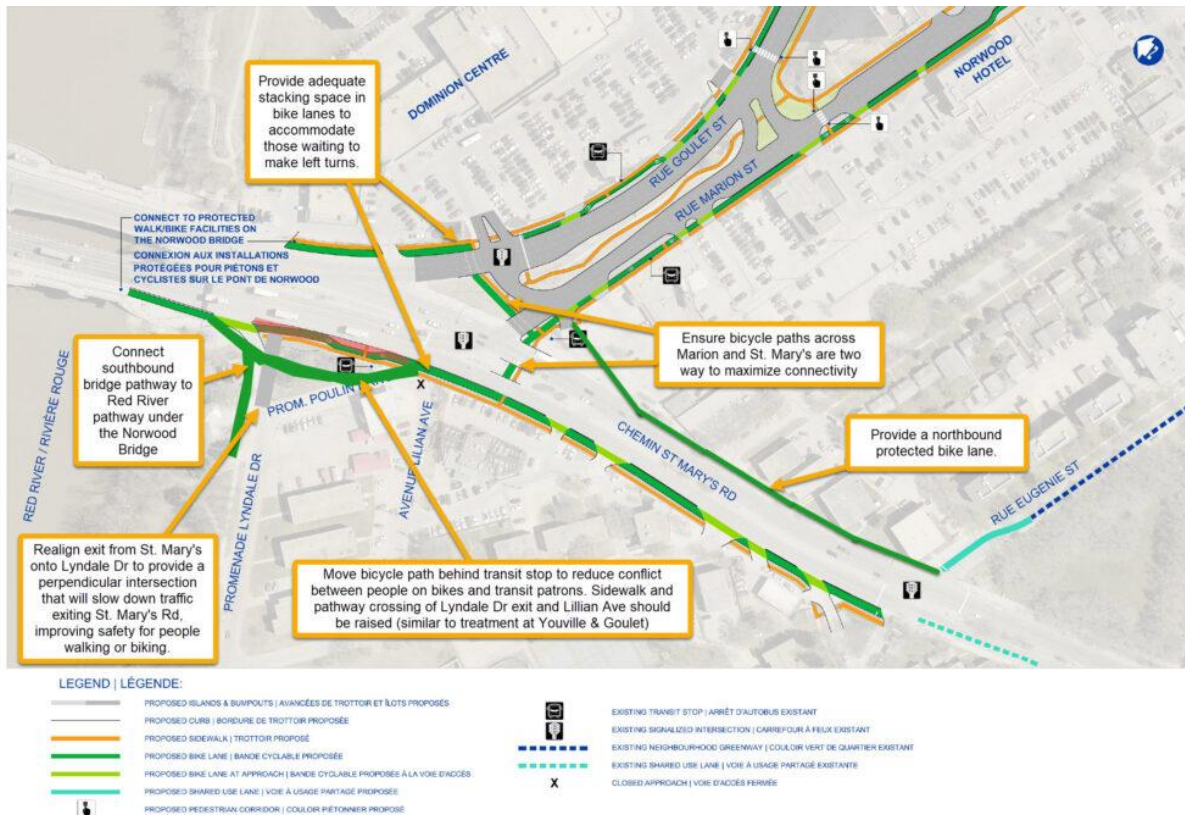
Bike Winnipeg's Key Comments and Recommendations

While the design that has been brought forward provides needed improvements, there are still some key issues that we think need to be redesigned before we feel it will be construction-ready.

- Realign the entrance to Lyndale Dr to create better connections from the Norwood Bridge to the Marion bike lane
- Improve access to the Red River pathway from the Norwood Bridge
- Upgrade the crossings at Enfield to a half-signal crossing
- Ensure that a crossing of the CNR Sprague rail line is negotiated before any decisions are made to widen Lagimodiere or to drop Lagimodiere from the planned bike network are finalized
- Plan for the Kenny Neighbourhood Greenway as shown in the most recent draft cycling strategy
- Fully connect the planned Archibald pathway to the Marion Pathway
- Ensure left turns are facilitated by adding queuing/stacking lanes
- Add connections to/from Braemar Ave
- Consider a detour around the Domo and Maple Leaf sites

Recommended Realignment of Lyndale Exit

The geometry and thus the speeds allowed on the exit from St. Mary's Rd/Queen Elizabeth Way to Lyndale Dr are a definite concern. Changes to Marion and the coming first phase of Rapid Transit along St. Mary's Rd provide an opportunity to realign the exit onto Lyndale Dr to slow down exiting traffic and improve the safety of those walking and cycling along the pathway on the south side of the Norwood Bridge.



Counts performed by Bike Winnipeg on the Norwood Bridge show that an average of 247 people on bikes and 290 people on foot cross the bridge over two hours in peak periods (see Appendix A for a table of counts). That equates to a daily average of more than 2,500 people crossing the bridge on bike or foot. Planned improvements to bikeways along Marion and Goulet, River and Stradbroke, St. Mary's Rd, Archibald, and Eugenie Ave in the near future, as well as plans to expand rapid and frequent transit in the near future will lead to significant growth in the number of people walking or cycling across the Norwood Bridge and across the exit off of St. Mary's Rd onto Lyndale Dr.

Plans for the extension of the Norwood Bridge Pathway along St. Mary's Rd need to improve the safety of those crossing the Lyndale Dr exit along St. Mary's Rd.

A redesign of this intersection to slow down vehicles coming off of St. Mary's onto Lyndale Dr. seems possible.

- Push the entrance to Lyndale south approximately 15m to where it will intersect St. Mary's road at a right angle.
- Such a realignment would allow the crossing of the Lyndale Dr exit to be offset from St. Mary's as per best practice.
 - A raised crossing would promote yielding behaviour.

- Lyndale is now 30k m/hr
 - This would act as a physical reminder that you are entering a slower speed zone.
- This is similar to changes to the exits to/from Kingston Row that have been proposed as part of the St. Vital Bridge Rehabilitation Project.

A rapid transit station will be developed in the Lyndale-Poulin-St. Mary's triangle within 5 years. We need to improve the safety of routes to and from that station.

- Even with the loss of 15m, there is still plenty of space (> 50m) to accommodate two 18.5m articulated buses
- This triangle of land has an area greater than the triangle of land used to create the Pembina Highway - University Crescent transit hub.

The City should consider pushing the bike lane/path behind the station, re-integrating it with the roadway south of Poulin @ St. Mary's.

- This reduces conflict between transit passengers and people on bikes.
- It allows for the two-way path coming off of the Norwood Bridge to be extended to Lilian and the crossing of St. Mary's where people on bikes will connect to the Marion protected bike lanes.
- This may require the loss of a short section of the northbound travel lane on Poulin Dr as it approaches Lilian to accommodate the bicycle path, but traffic counts on Poulin Dr are surely low enough to allow for a single lane access to provide two-way travel here. This would be no different than a chicane.

Norwood Bridge Pathway Connection to Red River Pathways

Realignment of the Lyndale Dr exit as described above would create space to extend the pathway coming off of the bridge to the pathway leading under the bridge to the Red River pathway, St. Boniface Hospital, and St. Boniface College. This would improve access to these destinations, improve access to the riverside pathway, and add resilience to the bike network.

Questions and concerns about a two-way path along St. Mary's Rd

A two-way path is planned along the south side of St Mary's Rd from the Norwood Bridge to Eugenie.

Two-way paths along two-way streets, especially busy streets such as St. Mary's, introduce a number of conflict points between people biking along the pathway and those driving motorized vehicles on the street. Conflicts between people making left turns off of the roadway and those biking in the contraflow lane of the bike path, who are generally out of the line of sight of those drivers as they focus on oncoming traffic, and riding at a much higher speed than people walking on the sidewalk.

What is the risk of having a two-way bike lane on St. Mary's Rd, and what is planned to mitigate the additional conflict points a two-way bike path adds?

- Is the access from NB St. Mary's Rd onto Cromwell being closed?
- Is the access from NB St. Mary's Rd into the Santa Lucia lot being maintained?
- What has been done to mitigate the threat from left hook collisions along the two-way St. Mary's bike path?
 - What is the offset distance of the bicycle path from southbound St. Mary's?
- If a two-way path is developed, an offset of 5 m plus raised crossings should be provided.

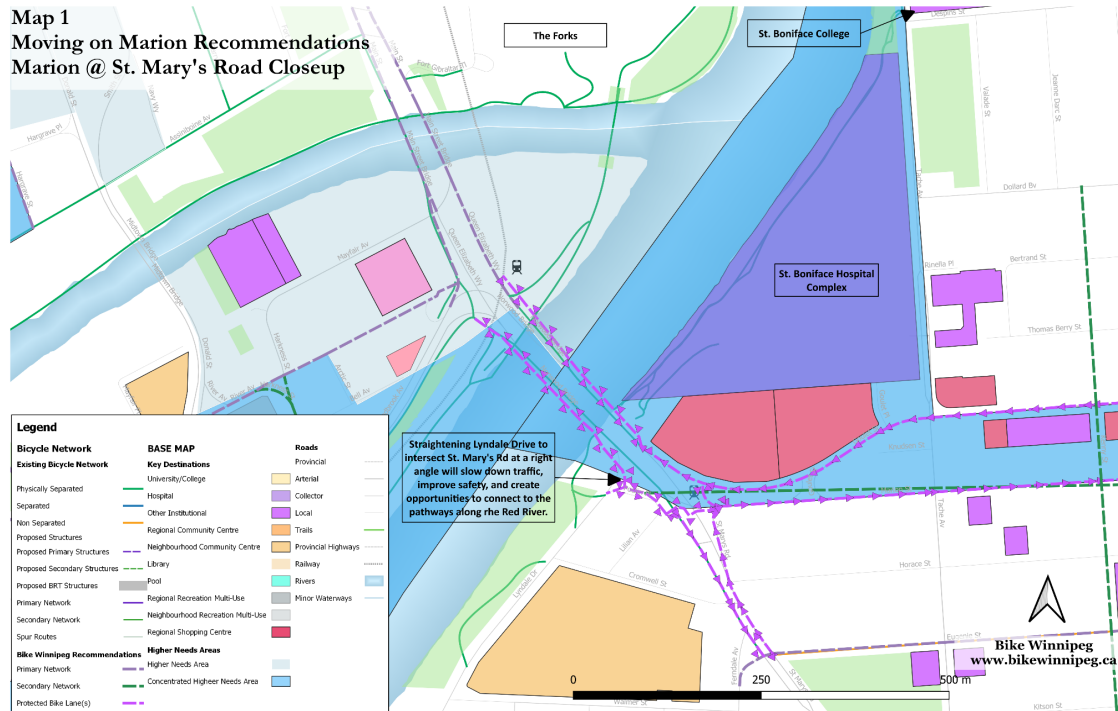
The following would seem to create almost all of the needed connections

- St Mary's Rd
 - Two-way bike path on the west side of St. Mary's Rd from Norwood Bridge to St. Mary's Rd crosswalk @ Marion
 - Route this along the west side of Poulin Dr and have it end at Lilian Ave.
 - You may need to reduce Poulin Dr to one lane at the entry to Lilian, but traffic counts on Poulin Dr are lilley low enough to allow for a signal lane access to provide two-way travel here.
 - Has the City measured turning volumes?
 - One way southbound from Lillian to Eugenie on the west side of St. Mary's
 - One way northbound from Eugenie to Marion on the east side of St. Mary's
 - This would follow the merge lane off of St. Mary's onto Marion, where it would connect with two-way bike paths leading across Goulet via the Dominion Mall entrance and south across St. Mary's to St. Mary's @ Lilian where it would connect with the two-way portion of the St. Mary's bike path.

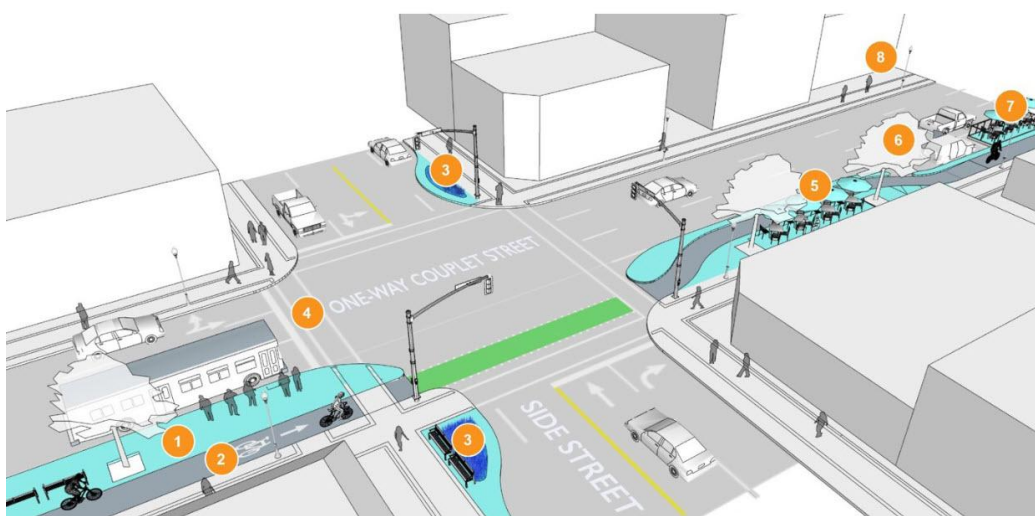
- While it may be tough to get this extended all the way to Eugenie, it should be provided for as much length as is possible
- Marion St
 - One-way eastbound on the south side of Marion between St. Mary's Rd merge lane and Happyland Park
- Goulet St
 - One-way westbound on the north side of Marion/Goulet
 - Two-way bike path on the south side of the access out of Dominion Centre to Marion.
- Lilian Av
 - Two-way bike path across St. Mary's Rd to connect up with the northbound St. Mary's Rd bike lane, the two-way bike path between Dominion Centre and Marion St, and the one way eastbound bike lane on the south side of Marion
 - There is space to add a stacking at Lilian and St. Mary's Rd

The risks from a two-way bike path seem to outweigh the benefits.

- There are 5 crossings in the 225m of pathway between Marion and Eugenie.
 - Two Streets
 - 3 Driveways
 - 2 Left turn openings (Cromwell, Santa Lucia Pizza parking lot)
- The benefit of access on the southbound side of St. Mary's is countered by the lack of a bike lane on the northbound side of St. Mary's
 - Cycling access between Walmer and Cromwell @ Lilian is available through the grounds of the Norwood CC.
- These challenges to a two-way bike lane run the full length of St. Mary's



Protected Bike Lanes along Marion/Goulet Couplet



The complete street illustration provided on the 3rd board indicates that intersections are being designed as protected intersections, which we are happy to see.

Design of the bike protected lanes along Marion and Goulet will need to ensure that:

- Left turns from the protected bike lanes onto side streets are accommodated

- Include space for queue lanes where high rates of left turns might be expected
 - Enfield Cr
 - Braemar Ave
 - Kenny St

Kenny St

Kenny St has been added to the proposed cycling network as a direct connection between Marion/Goulet and Highfield St in the Norwood Flats neighbourhood. The Moving on Marion plans should reflect this. Kenny is a key connection. It has replaced Traverse in the 2021 proposed bike network.

Key Destinations along Kenny

- Options Pathways & Transitions
- École Précieux-Sang
- Sara Riel Inc.
- Precious Blood Parish
- Nelson McIntyre Collegiate

Enfield Crescent Crossing Concerns

Improvements to Marion-Goulet couplet *Améliorations à la paire Marion-Goulet*



The pedestrian corridor crossing treatments proposed for the Enfield Cr crossings of Marion and Goulet are inadequate.

- How will the pedestrian corridors be activated by people biking along Enfield Cr?
- Where will people driving along Marion and Goulet stop when the pedestrian corridor is activated?

The pedestrian corridor on the Goulet crossing would seemingly stop cars in the line of people biking along Enfield Cr., and activating this crossing from a bike on the Enfield Cr roadway would be something new for Winnipeg.

Half-signal crossing would be less confusing and would likely encourage more people to ride along the roadway vs the sidewalk.

Access to/from Braemar Ave

While Braemar Ave is not part of the cycling network at this point, it would be advantageous to provide a connection from the Safeway to the Goulet back lane to provide access between the Safeway and École Henri-Bergeron/Bertrand Arena. This could be accommodated via the walkway between Eiffel Tower A Apartments and the Columbus Manor parking lot. This is a 6m right of way.

Alternatively, you could provide a two-way bike path on the stretch of Goulet between Enfield and Bertrand to accommodate this traffic. Designs for the River-Stradbrook protected bike lanes show how both of these options might work.



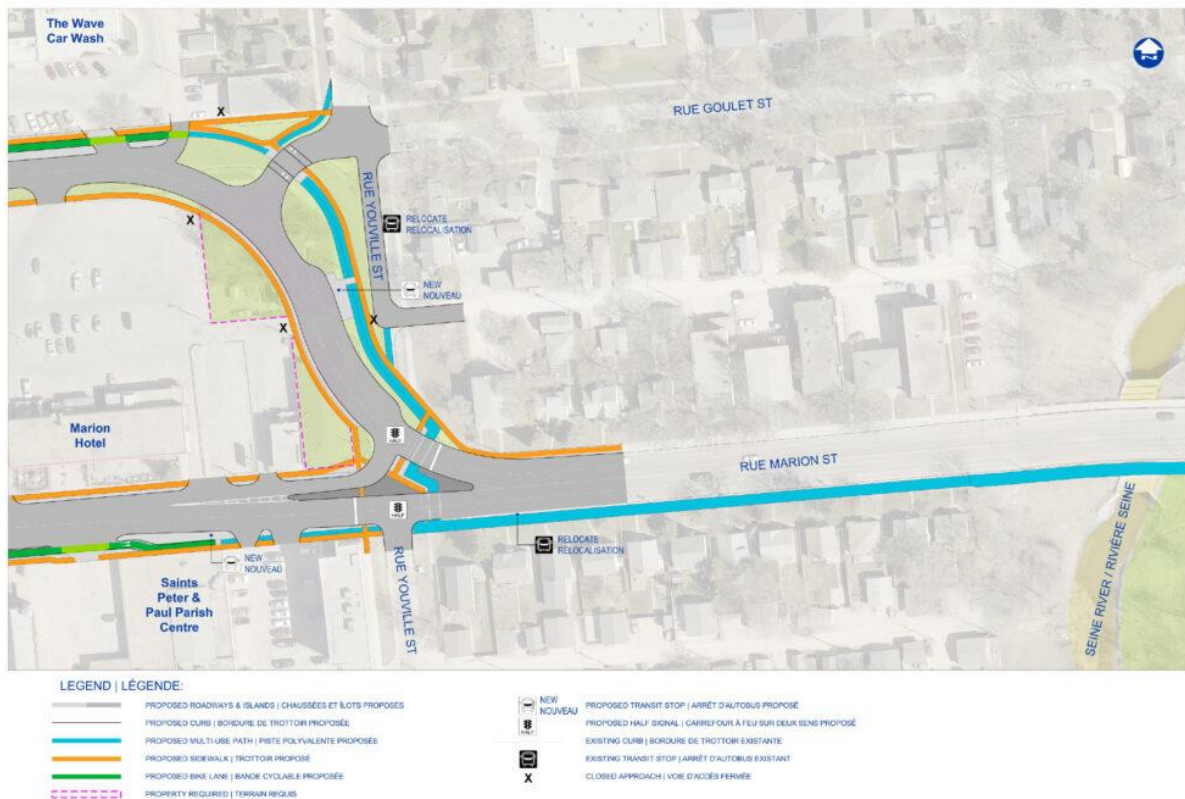
Proposed design for the River-Stradbrook protected bike lanes show how access between the Goulet bike lane and Braemar could be provided

At minimum, the connection off of Braemar onto the Goulet protected bike lane should be provided for. This intersection is currently signalized, so no or little change to signalization is required to accommodate this crossing.

People will ignore the detour to Enfield to/from Braemar to seek a direct route between these destinations, so we should recognize the desire and build to accommodate it. Failure to do so will just lead to people riding the wrong way down the Marion/Goulet bike lanes.

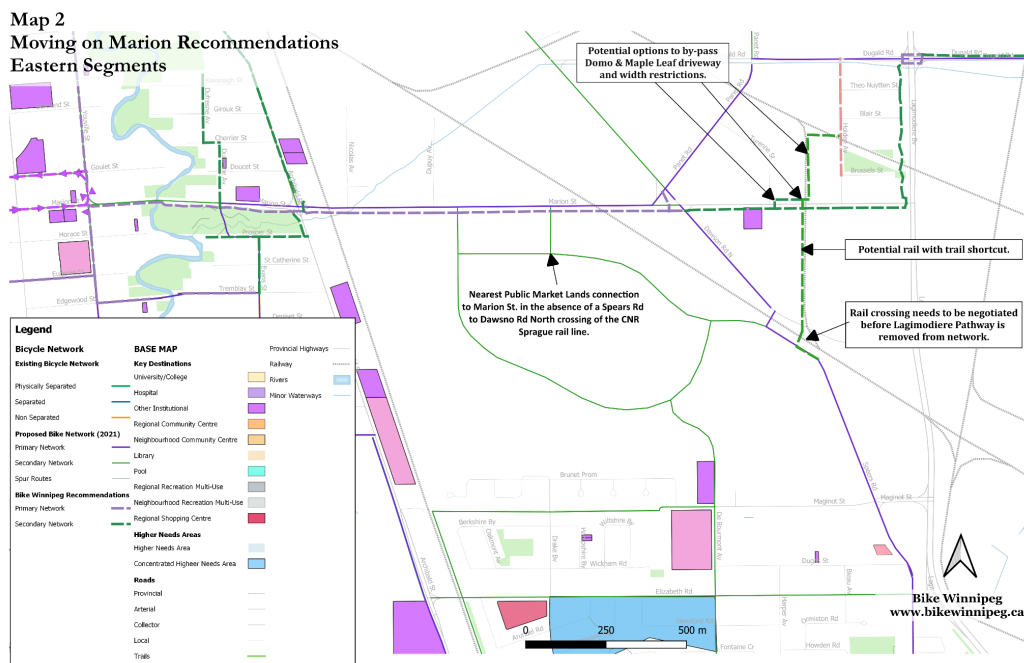
Youville Intersection Improvements

Improvements to Youville *Améliorations à la rue Youville*



Changes planned for the Youville intersection are very welcome, and definitely improve on the plans from Phase II. They ensure that the City can extend the Egerton-Youville Neighbourhood Greenway north in the future.

Marion Pathway east of Youville



Youville to Archibald

- We would like to see separation of pedestrians and bikes where space permits
- We would like to see raised crossings at driveways
 - It is good to see the hardened centre line treatment at the intersection of Marion and Archibald. This removes a considerable risk of left hook collisions at the entrance to the Tim Hortons.
- Domo-Maple Leaf width restrictions (and possible gap)
 - Could a crossing of Marion @ Turenne or the CNR Stockyards spur be used to alleviate this?
 - There appears to be a vacant industrial parcel running parallel to the rail line that might be used as a pathway north to connect into the Holden Neighbourhood. Assessment 6032188000, ID 183288
 - It would avoid crossing the Domo and Maple Leaf parking lots, which would definitely be a benefit.
- Please ensure that the traffic signals at Marion and Dufrense can be activated by someone on a bicycle without having to access the sidewalk.
- Prosper Ave should really be shown as a proposed neighbourhood greenway all the way from Archibald to the Happyland Park pathways, as this will be a travel route for people biking through to Marion and the Dufrense neighbourhood.
 - This does not entail any additional changes along Prosper.

Marion @ Archibald Intersection

- The proposed design shows a gap between Marion and the start of Archibald pathway in the northeast corner of the intersection.
 - A multi-use pathway or bike path and sidewalk is planned along Archibald from Marion to Plinquet in the near future.
 - If you narrow the southernmost median, can you make space for a pathway extension?
- Good to see the centre line hardening – this should reduce turning speeds.

Removal of the Lagimodiere Pathway

It's good to see that the intersection at Lagimodiere and Dugald will allow for people on foot or bike to traverse all four corners of the intersection.

- This minimizes delay.

The proposed widening of Lagimodiere south of Marion St would preclude development of the presently planned pathway along the west side of Lagimodiere.

- The proposed bike network released as part of the Phase II TMP2050 public engagement process drops the pathway along Lagimodiere in favour of a pathway along Speers Rd which would be extended into the collector street network of the Public Market Lands development, with connections to Marion St at approximately 765 Marion and Marion @ Dupuy Av.
- This plan has not been approved, and has not even undergone full public engagement.
- We do not feel that the pathway along Lagimodiere should be dropped, as doing so creates a significant gap in the bike network.
 - We believe it is unlikely that homeowners along Lagimodiere will ever condone widening of Lagimodiere.
 - The planned widening of Lagimodiere between Marion and Dugald Rd included in this plan calls for purchase of homes adjacent to the sections of Lagimodiere to be widened. Is that also being suggested for the segments south of Maginot?
- The proposed bike network released as part of the Phase II TMP2050 public engagement process shows an at grade railway crossing of the CNR Sprague line just north of the current terminus of Speers Rd. that would provide a walking and cycling connection to Dawson Rd North, just west of the CNR St. Boniface Stockyard railway spur. In the absence of this rail crossing, the nearest access to Marion St would be the planned Public Market Lands collector street intersection near 765 Marion St.

The lack of a pathway crossing of the CNR Sprague rail line creates overly burdensome detours that will discourage cycling.

Table 1 Detour Distances – Elizabeth Rd to Dugald Rd

Route	Distance	Detour Factor	Notes
via Lagimodiere	1,670 m	N/A	
via Speers-Dawson-Panet-Dugald	2,550 m	53%	
via Speers-Pulbic Market Lands-Marion-Panet-Dugald	3,225 m	93%	
via Speers-Stockyards Spur – Holden – Dugald	2,110 m	32%	This distance assumes that the crossing of the Spague line would be placed further south, closer to the St. Boniface Stockyards spur.

Note that the City has previously constructed pathways under rail crossings next to major arterial roads such as Lagimodiere.



	
<p>Potential site of a Lagimodiere Pathway at Sprague Rail Underpass</p>	<p>Existing grade separation of Bishop Grandin Greenway at Emerson Rail Underpass.</p>

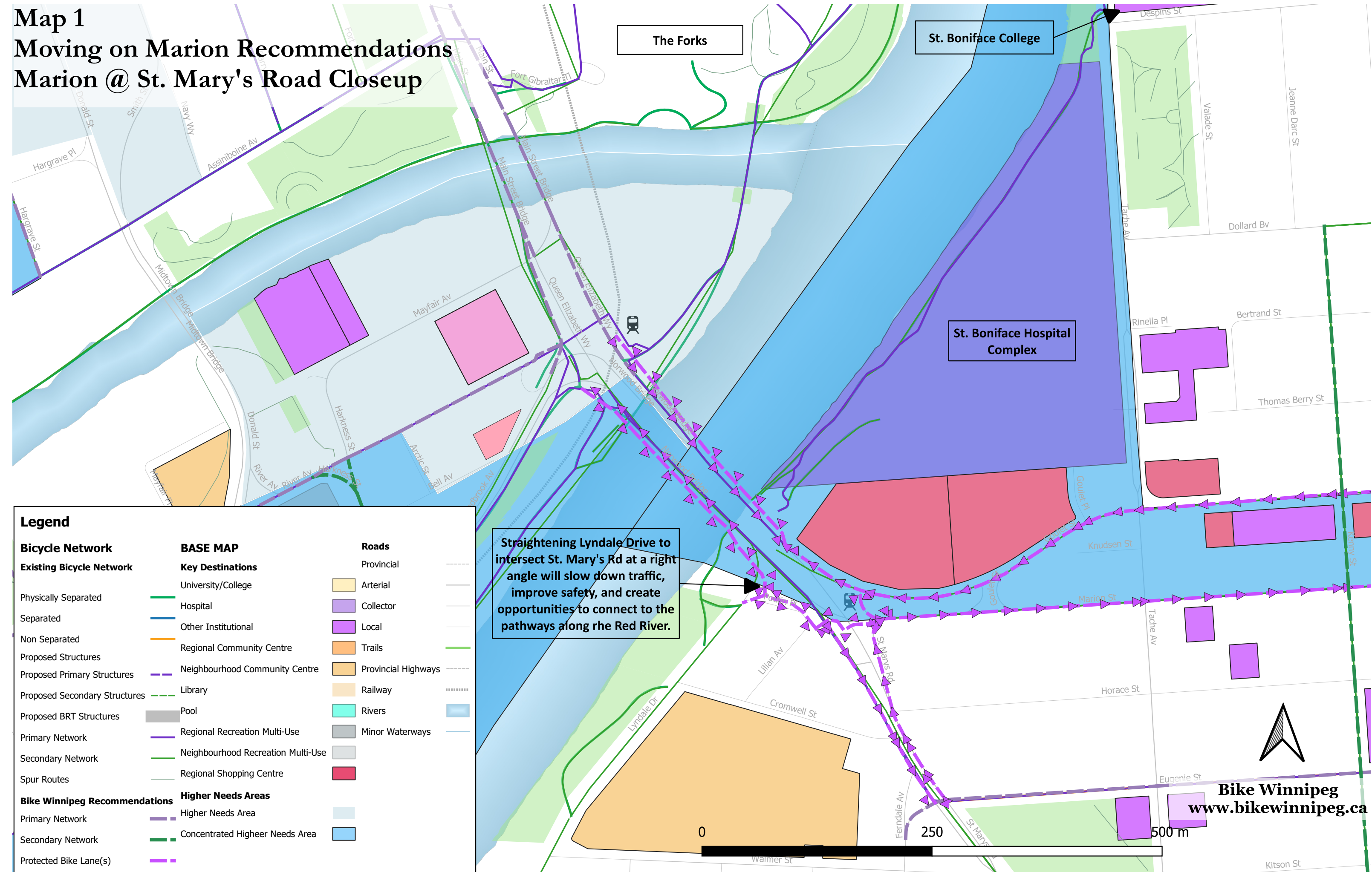
Table 1 - Bicycle and Pedestrian Counts on the Norwood Bridge 2009-2016

Year	Month	Day	AM/PM	SOG	Location	Temp	Wind	Precip	Weather	Count	Time (minutes)	2 HR count	In	Out	Road	Sidewalk	Trail or Bike Lane or Shoulder	Sidewalk %	Pedestrians (2 hours)
2009	05 (MAY)	6	PM	C	Norwood Bridge	19	24		Excellent	262	120	262	77	185	72	12	178	5%	
2010	04 (APRIL)	7	AM	C	Norwood Bridge	-5	6		Poor	188	140	174	146	42	52	9	127	5%	371
2010	04 (APRIL)	7	PM	C	Norwood Bridge	8	6		Fair	247	150	208	83	164	78	11	158	4%	45
2010	05 (MAY)	5	AM	D	Norwood Bridge	4	48	rain	Poor	32	120	32	27	5	5	2	25	5%	22
2010	05 (MAY)	12	AM	D	Norwood Bridge	5	9		Fair	290	150	257	221	69	75	14	198	5%	50
2010	05 (MAY)	12	PM	D	Norwood Bridge	13	7		Good	352	150	297	120	232	92	17	243	5%	
2010	06 (JUNE)	2	AM	D	Norwood Bridge	9	11		Good	355	145	318	270	85	106	16	233	5%	
2010	06 (JUNE)	2	PM	D	Norwood Bridge	21	13		Excellent	494	150	421	156	338	140	23	331	5%	
2011	04 (APRIL)	6	AM	B	Norwood Bridge	-2	4	partly cloudy	poor	102	150	82	76	26	38	4	60	4%	
2011	04 (APRIL)	6	PM	B	Norwood Bridge	11	24	cloudy	good	130	150	104	50	80	27	7	96	5%	329
2011	05 (MAY)	4	AM	C	Norwood Bridge	9	28	rain	poor	167	150	150	43	124	47	8	112	5%	
2011	05 (MAY)	4	PM	C	Norwood Bridge	6	32	cloudy	fair	210	150	190	150	60	56	10	144	5%	
2011	06 (JUNE)	8	AM	D	Norwood Bridge	9	17	cloudy	good	213	120	203	161	52	58	9	136	5%	
2011	06 (JUNE)	8	PM	D	Norwood Bridge	16	24	partly cloudy	good	350	120	281	119	231	80	13	188	5%	
2012	05 (MAY)	8	PM	D	Norwood Bridge	16	18	cloudy	good	263	120	263	84	179	76	25	162	10%	
2012	05 (MAY)	9	AM	D	Norwood Bridge	6	6 WSW	cloudy	fair	300	150	257	219	81	91	14	195	5%	248
2012	05 (MAY)	9	PM	D	Norwood Bridge	20	24 SSW	sunny	excellent	409	150	341	141	268	117	19	273	5%	430
2012	06 (JUNE)	6	AM	D	Norwood Bridge	15	11 NE	scattered clouds	good	408	150	340	293	115	123	19	266	5%	264
2012	06 (JUNE)	6	PM	D	Norwood Bridge	29	15 ESE	partly cloudy	excellent	451	150	385	141	310	129	21	301	5%	362
2013	04 (APRIL)	3	AM	A	Norwood Bridge	-5	11	none	Poor	43	150	34	35	8	16	2	25	4%	202
2013	04 (APRIL)	3	PM	A	Norwood Bridge	3	17	none	Fair	54	150	47	13	41	18	2	34	4%	
2013	05 (MAY)	9	PM	B	Norwood Bridge	13	11	none	Good	236	120	236	70	166	70	20	146	8%	
2013	05 (MAY)	8	AM	B	Norwood Bridge	5	19	none	Fair	240	150	210	195	45	59	3	178	1%	214
2013	05 (MAY)	8	PM	B	Norwood Bridge	12	20	none	Good	301	150	260	86	215	81	1	219	0%	386
2013	06 (JUNE)	5	AM	C	Norwood Bridge	14.7	12	none	Good	372	150	321	286	86	107	17	248	5%	275
2013	06 (JUNE)	5	PM	C	Norwood Bridge	22.5	8	none	Excellent	466	150	407	138	328	128	22	316	5%	473
2014	05 (MAY)	14	AM	C	Norwood Bridge	1	20.4	light snow	Poor	173	150	148	106	42	34	7	107	5%	193
2014	05 (MAY)	14	PM	C	Norwood Bridge	5	16.7	none	Fair	210	150	180	76	104	48	9	123	5%	329
2014	06 (JUNE)	4	AM	C	Norwood Bridge	14	0	none	Good	366	150	315	268	98	93	18	255	5%	302
2014	06 (JUNE)	4	PM	C	Norwood Bridge	27	18-33	none	Excellent	463	150	399	141	322	114	23	326	5%	406
2015	05 (MAY)	13	PM	C	Norwood Bridge	8	13	light rain	Poor	227	150	198	71	156	74	10	143	4.40%	269
2015	05 (MAY)	13	AM	C	Norwood Bridge	7	6	none	Fair	220	150	185	157	63	58	11	151	4.80%	252
2015	06 (JUNE)	10	AM	D	Norwood Bridge	10		none	Good	386	150	335	246	140	83	20	283	5.10%	322
2015	06 (JUNE)	10	PM	D	Norwood Bridge	18		none	Excellent	490	150	413	148	342	120	20	283	4.70%	465
2016	05 (MAY)	11	AM	C	Norwood Bridge	11	15	fog	good	190	150	174	115	75	44	3	187	1.30%	246
2016	05 (MAY)	11	PM	C	Norwood Bridge	15	28	cloudy	good	239	150	211	69	170	51	3	237	1.00%	422
2016	06 (JUNE)	15	PM	D	Norwood Bridge	24	18	cloudy	excellent	382	150	324	105	277	93	10	279	2.60%	416
2016	06 (JUNE)	8	PM	D	Norwood Bridge	17	10	rain	poor	366	150	323	107	259	77	3	288	0.80%	261
2016	06 (JUNE)	8	AM	D	Norwood Bridge	13	18	cloudy	good	381	150	332	275	106	85	3	293	0.80%	273
											Total	9,617							7,827
											Average	247							290
											Median	257							275

Map 1

Moving on Marion Recommendations

Marion @ St. Mary's Road Closeup



Map 2

Moving on Marion Recommendations

Eastern Segments

