

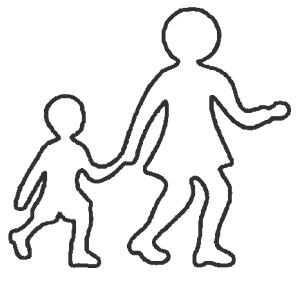


Local Neighbourhood Transportation:

Design review of 2015 local street renewal projects

WINNIPEG TRAILS
ASSOCIATION
Every Trail Begins at Home.

Submitted by Anders Swanson
EPC - May 13, 2015



About Winnipeg Trails Association

Winnipeg Trails Association is a not-for-profit project of Rivers West Red River Corridor, Inc. We support, coordinate and celebrate the efforts of active trail groups and volunteers throughout Winnipeg and nearby municipalities.

Our vision is a beautiful, healthy, modern city with connected pathways and trails that take you wherever you want to go.

Since 2000, we have been involved in the funding, planning, design, construction, programming, branding and upgrading of millions of dollars worth of pathways, bridges, and protected bike lanes, benches, trailheads and other amenities.

For more information in Winnipeg Trails Assocaition, please visit winnipegtrails.ca.

About this Document

This document provides an analysis of the impacts and opportunities afforded by $60 Million dollars worth of local street rehabilitation proposed by the City of Winnipeg for 2015.

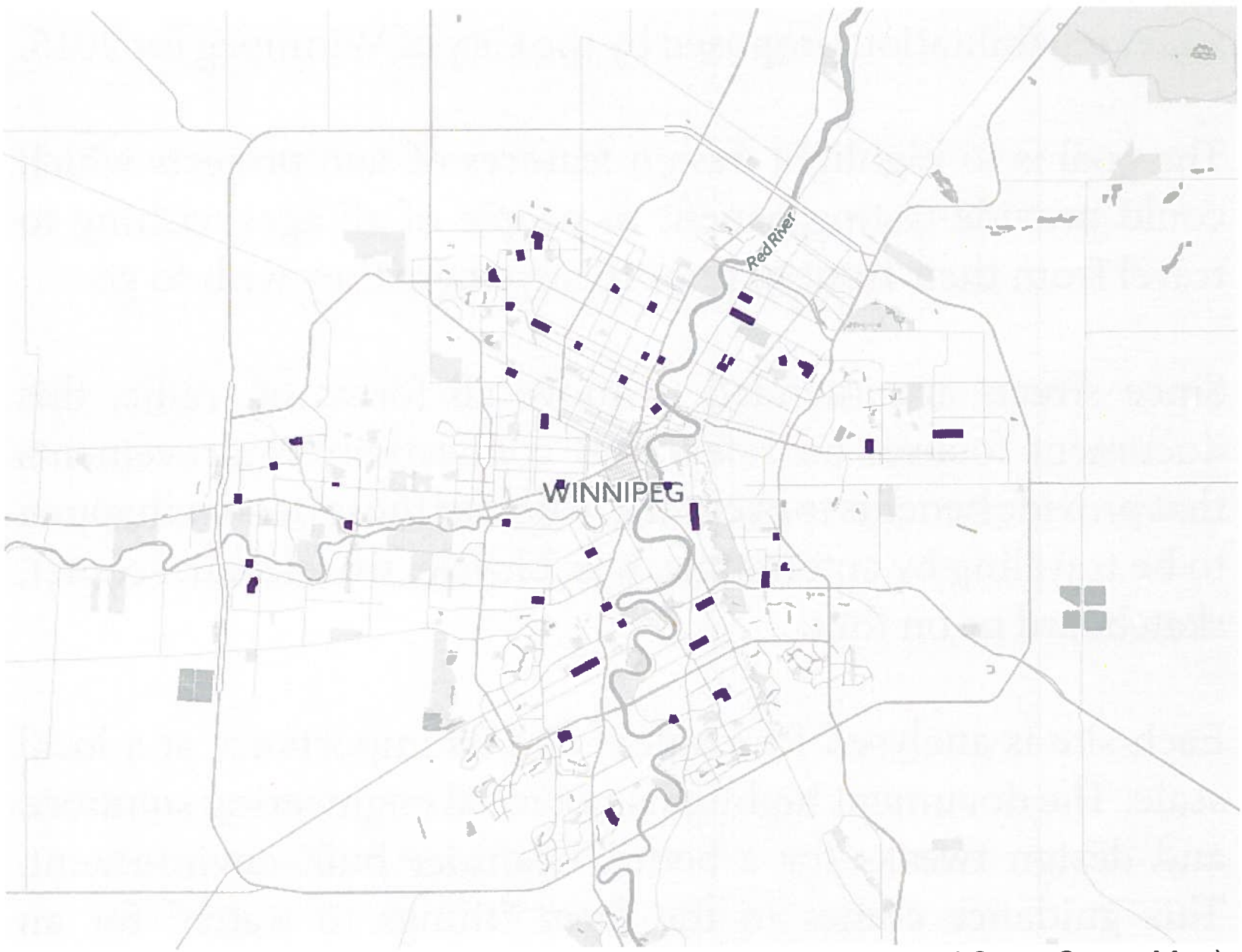
The goal is to highlight design features of said projects which could provide lasting benefit to people of all ages wishing to travel from their front to door to anywhere they wish to go.

Since streets are intended to move all forms of traffic, this document focuses on safety and connectivity improvements that provide benefits to everyone, whether those persons happen to be traveling by automobile, bus, bicycle, wheelchair, scooter, skateboard or on foot.

Each site is analysed for context and its importance at a local scale. The document highlights potential engineering solutions and design tweaks for a better, healthier built environment. This guidance comes in the form "things to watch" for an intended audience of elected officials, project designers, city administration and interested members of the public.

Acknowledgements

Lead author of this document is Anders Swanson, Coordinator of the Winnipeg Trails Association. Winnipeg Trails would like to thank Mark Cohoe, Executive Director of Bike Winnipeg, for invaluable input.



Map of City of Winnipeg street renewals (Winnipeg Free Press / Open Street Map)_

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Charleswood Tuxedo

Willow Ridge Rd

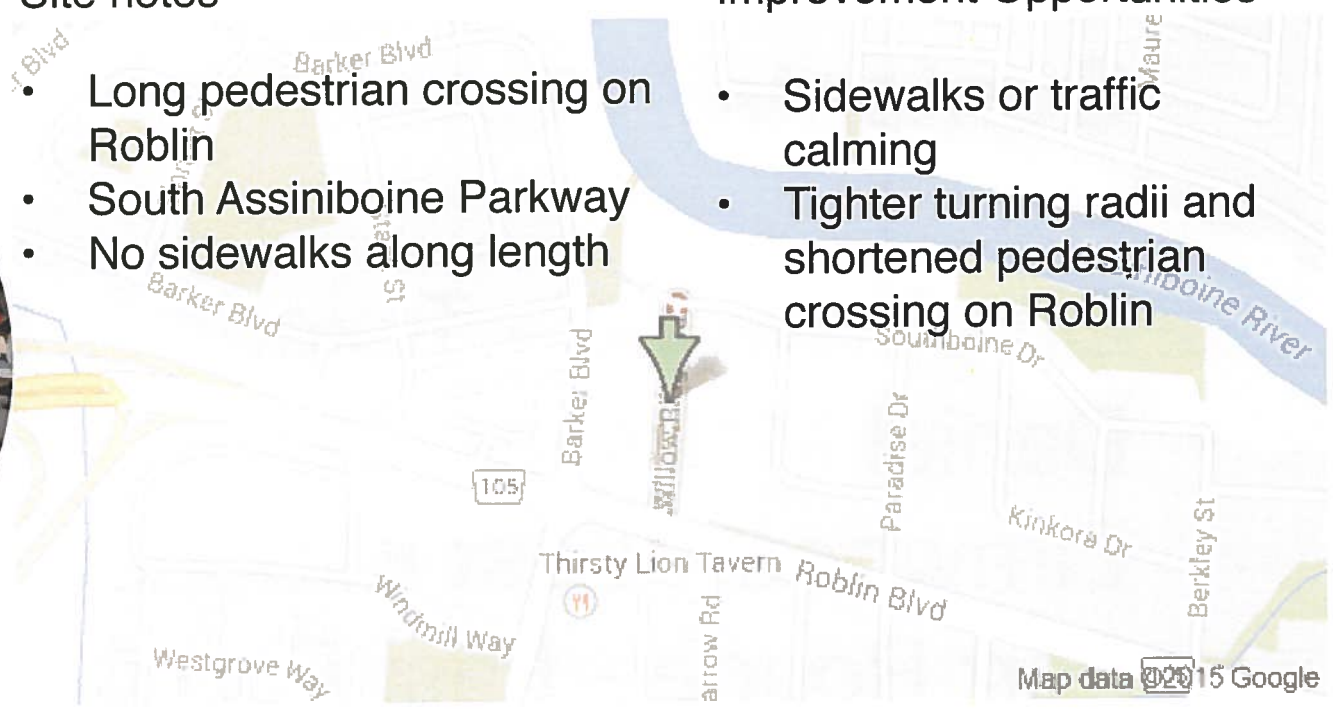


Site notes

- Long pedestrian crossing on Roblin
- South Assiniboine Parkway
- No sidewalks along length

Improvement Opportunities

- Sidewalks or traffic calming
- Tighter turning radii and shortened pedestrian crossing on Roblin



Buckle Dr

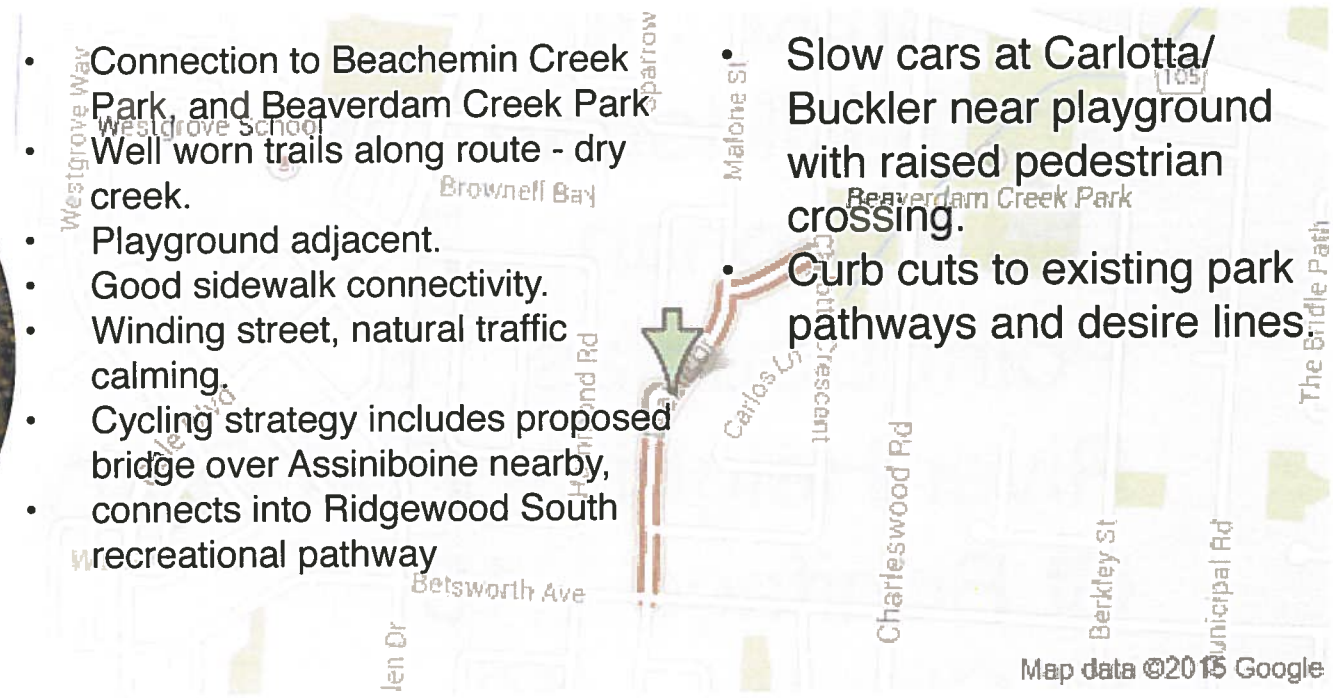


Site notes

- Connection to Beachemin Creek Park, and Beaverdam Creek Park
- Well worn trails along route - dry creek.
- Playground adjacent.
- Good sidewalk connectivity.
- Winding street, natural traffic calming.
- Cycling strategy includes proposed bridge over Assiniboine nearby,
- connects into Ridgewood South recreational pathway

Improvement Opportunities

- Slow cars at Carlotta/ Buckler near playground with raised pedestrian crossing.
- Curb cuts to existing park pathways and desire lines



Daniel McIntyre

Burnell St

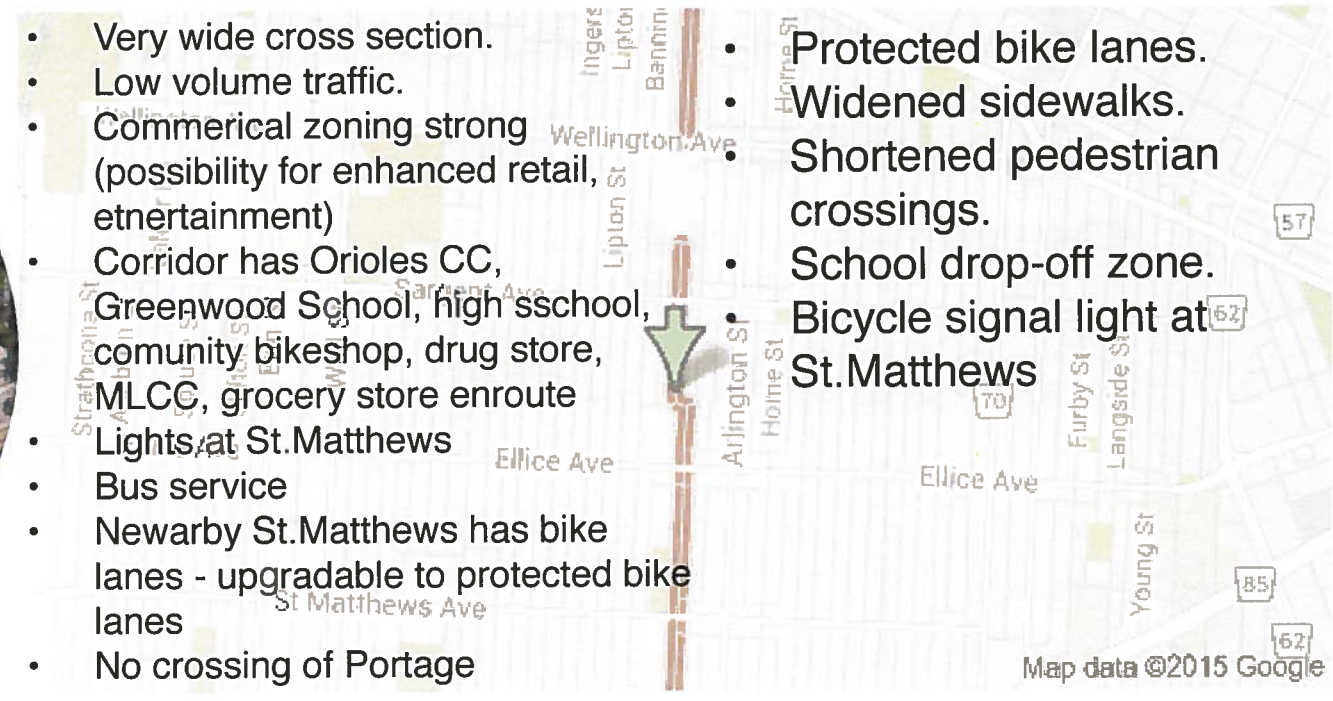


Site notes

- Very wide cross section.
- Low volume traffic.
- Commerical zoning strong (possibility for enhanced retail, etnertainment)
- Corridor has Orioles CC, Greenwood School, high sschool, comunity bikeshop, drug store, MLCC, grocery store enroute
- Lights at St.Matthews
- Bus service
- Newarby St.Matthews has bike lanes - upgradable to protected bike lanes
- No crossing of Portage

Improvement Opportunities

- Protected bike lanes.
- Widened sidewalks.
- Shortened pedestrian crossings.
- School drop-off zone.
- Bicycle signal light at St.Matthews



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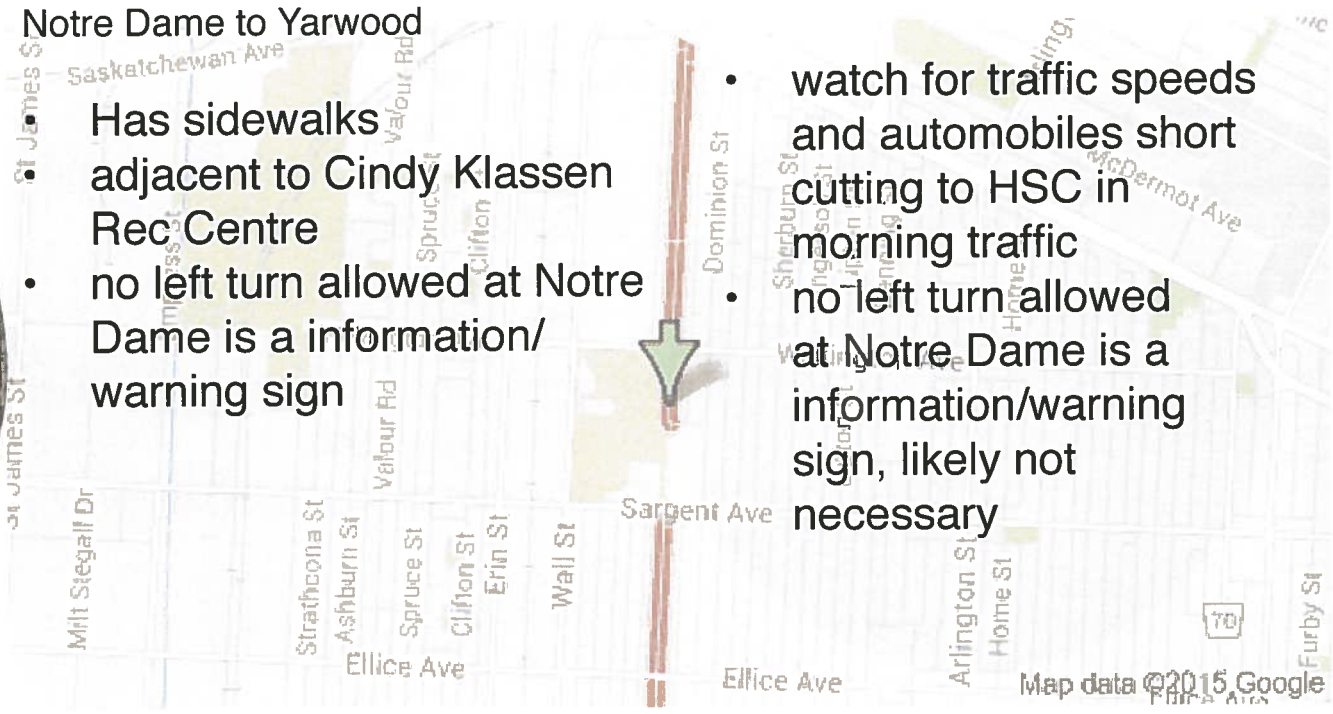
Daniel MacIntyre Ward cont.

Downing Street



Site notes
Notre Dame to Yarwood

- Has sidewalks
- adjacent to Cindy Klassen Rec Centre
- no left turn allowed at Notre Dame is a information/ warning sign



Improvement Opportunities

- watch for traffic speeds and automobiles short cutting to HSC in morning traffic
- no left turn allowed at Notre Dame is a information/warning sign, likely not necessary

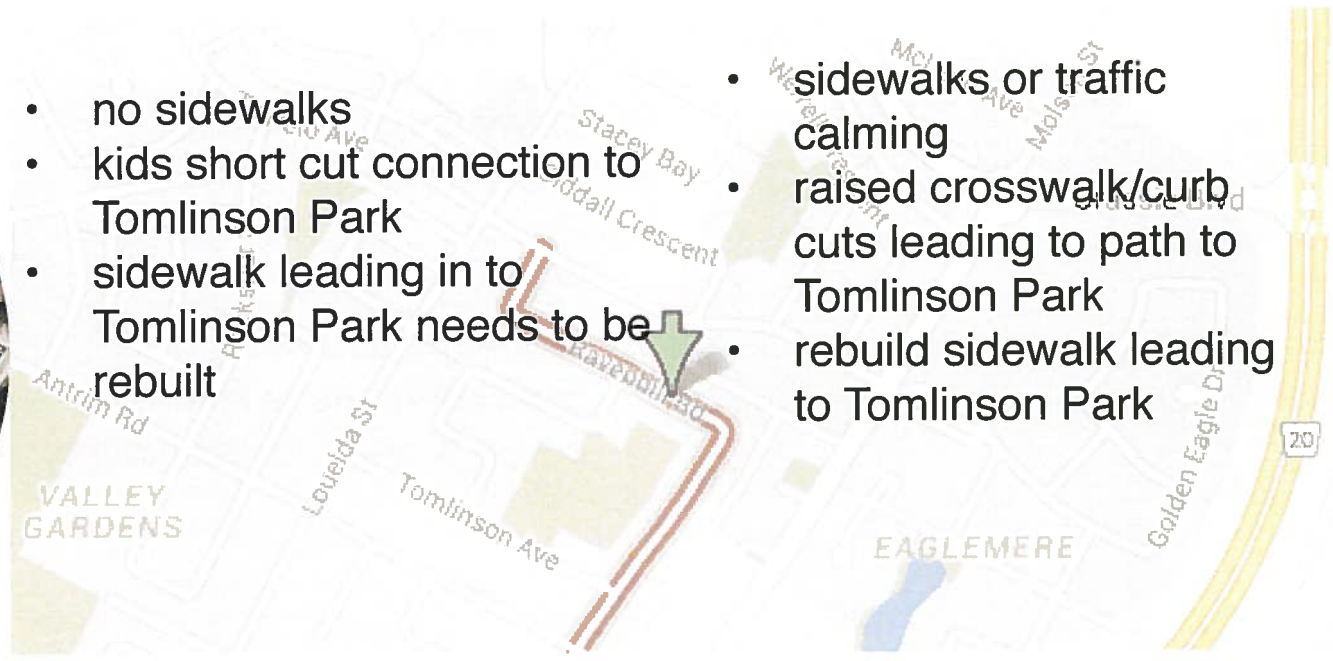
Elmwood / EK

Ravenhill



Site notes
Tu-pelo to Antrim

- no sidewalks
- kids short cut connection to Tomlinson Park
- sidewalk leading in to Tomlinson Park needs to be rebuilt



Improvement Opportunities

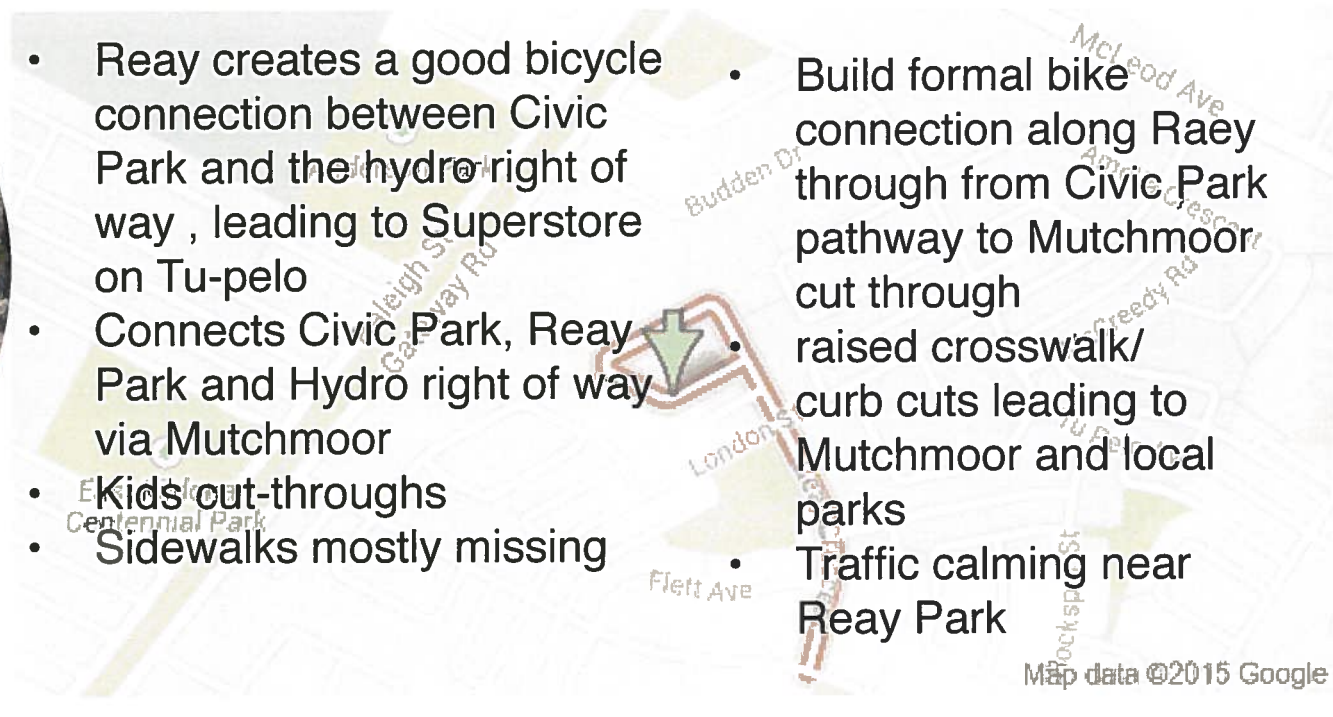
- sidewalks or traffic calming
- raised crosswalk/curb cuts leading to path to Tomlinson Park
- rebuild sidewalk leading to Tomlinson Park

Reay Cr



Site notes
London to Antrim

- Reay creates a good bicycle connection between Civic Park and the hydro right of way , leading to Superstore on Tu-pelo
- Connects Civic Park, Reay Park and Hydro right of way via Mutchmoor
- Kids cut-throughs
- Sidewalks mostly missing



Improvement Opportunities

- Build formal bike connection along Raey through from Civic Park pathway to Mutchmoor cut through
- raised crosswalk/ curb cuts leading to Mutchmoor and local parks
- Traffic calming near Reay Park

Elmwood/EK Continued on next page...

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Elmwood/EK Ward cont.

Chelsea Ave

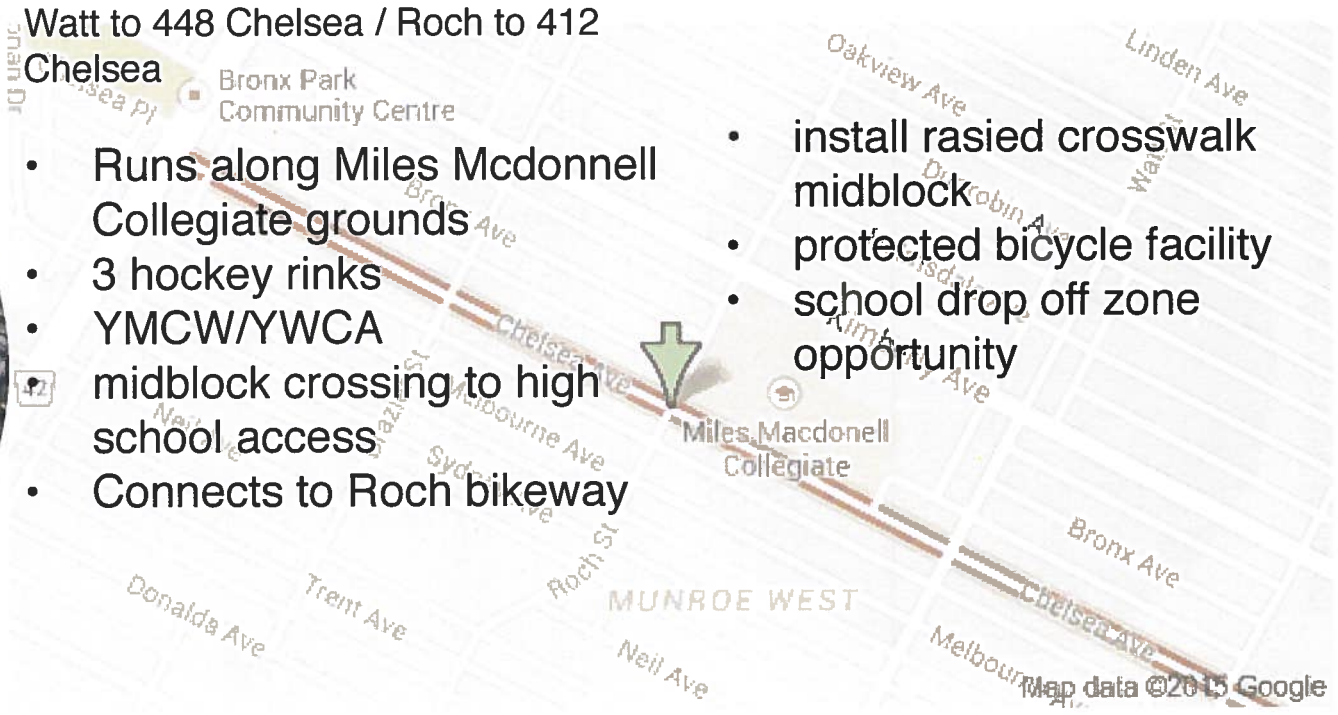


Site notes
Watt to 448 Chelsea / Roch to 412 Chelsea

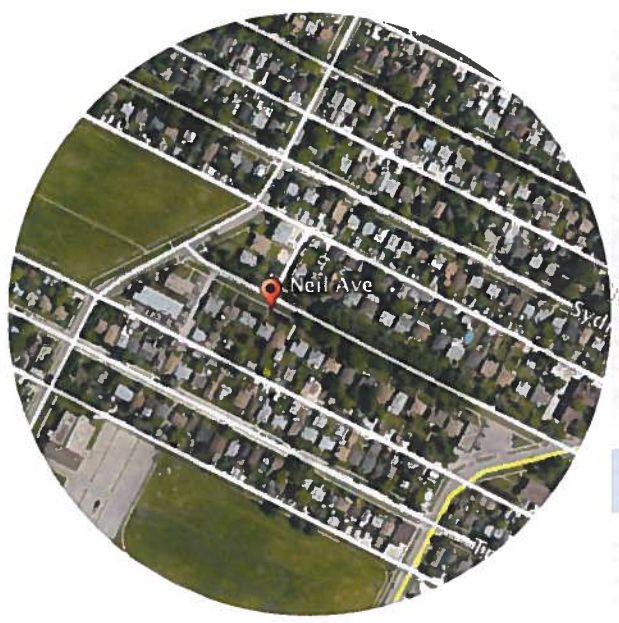
- Runs along Miles Mcdonnell Collegiate grounds
- 3 hockey rinks
- YMCW/YWCA
- midblock crossing to high school access
- Connects to Roch bikeway

Improvement Opportunities

- install rasied crosswalk midblock
- protected bicycle facility
- school drop off zone opportunity



Neil Ave

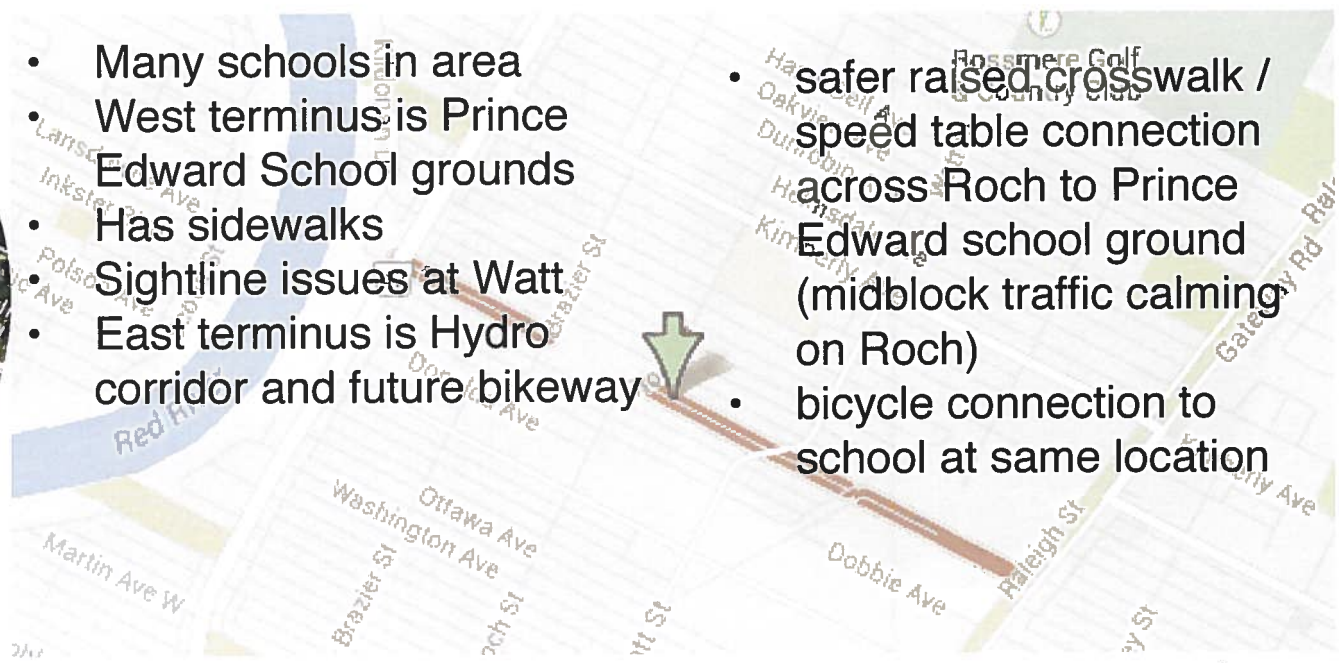


Site notes
Watt to Roch

- Many schools in area
- West terminus is Prince Edward School grounds
- Has sidewalks
- Sightline issues at Watt
- East terminus is Hydro corridor and future bikeway

Improvement Opportunities

- safer raised crosswalk / speed table connection across Roch to Prince Edward school ground (midblock traffic calming on Roch)
- bicycle connection to school at same location



Fort Rouge / EFG

Calrossie Blvd



Site notes
Pembina to Riverside

- Forms part of important junction on planned Riverside greenway
- Ongoing Community consultation and school travel planning
- Poorly aligned pedestrian refuge on Pembina
- Has sidewalks along length

Improvement Opportunities

- realign sidewalk approach at Pembina
- bicycle intersection improvements at Riverside



Fort Rouge / EFG Continued on next page...

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Fort Rouge / EFG cont.

Lyon St

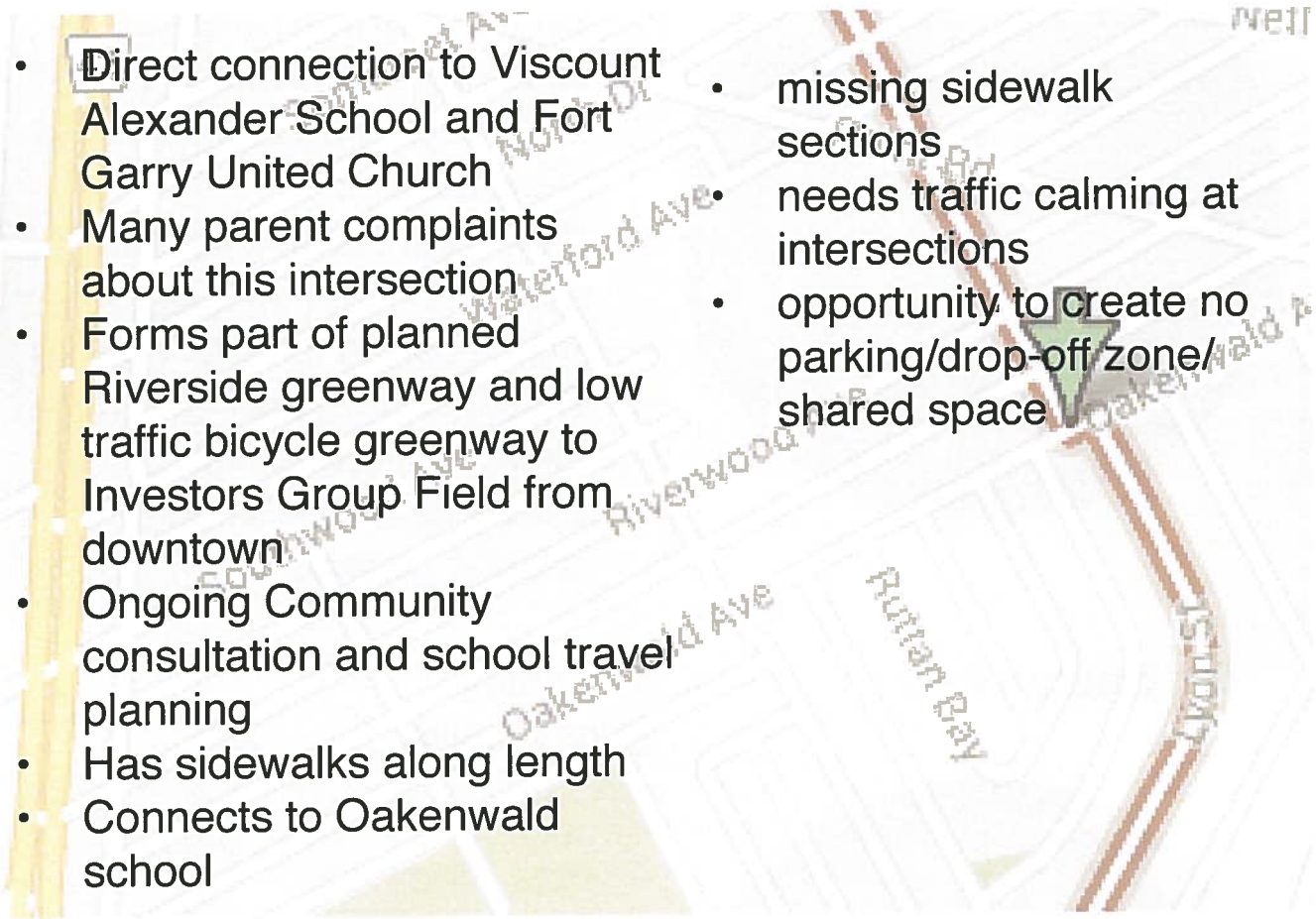


Site notes
Point to Oakenwald

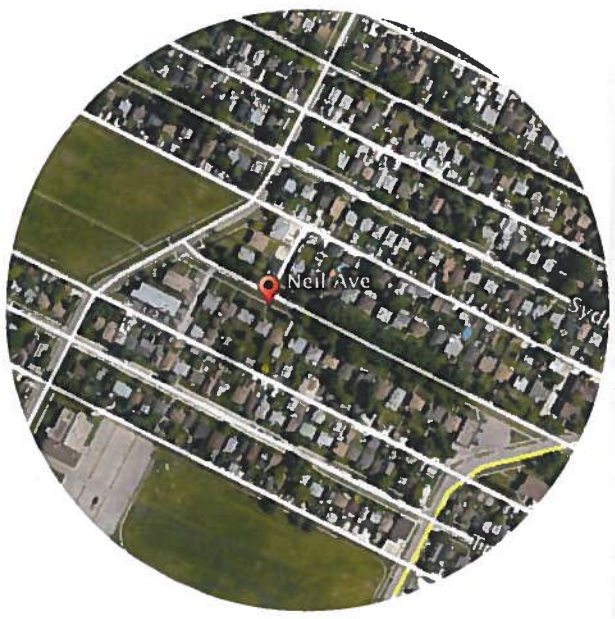
- Direct connection to Viscount Alexander School and Fort Garry United Church
- Many parent complaints about this intersection
- Forms part of planned Riverside greenway and low traffic bicycle greenway to Investors Group Field from downtown
- Ongoing Community consultation and school travel planning
- Has sidewalks along length
- Connects to Oakenwald school

Improvement Opportunities

- missing sidewalk sections
- needs traffic calming at intersections
- opportunity to create no parking/drop-off zone/ shared space



Mulvey Ave

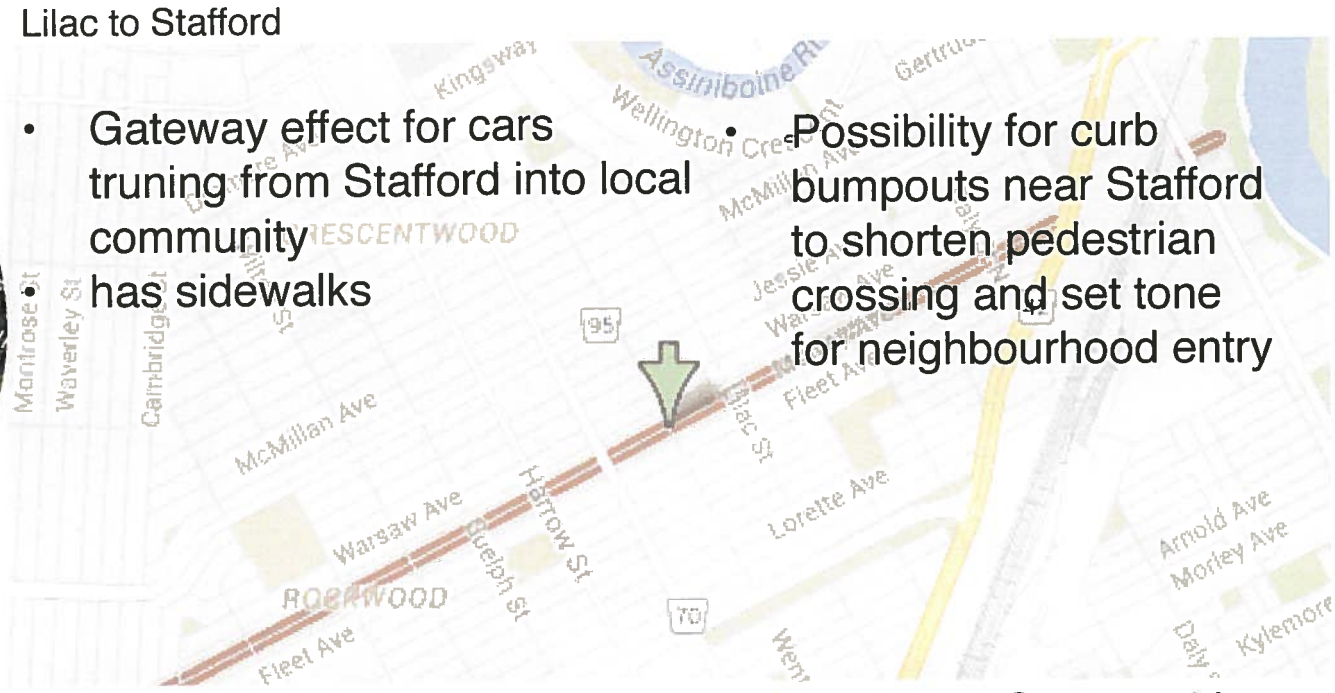


Site notes
Lilac to Stafford

- Gateway effect for cars truning from Stafford into local community
- has sidewalks

Improvement Opportunities

- Possibility for curb bumpouts near Stafford to shorten pedestrian crossing and set tone for neighbourhood entry



Mynarski

Hallet St

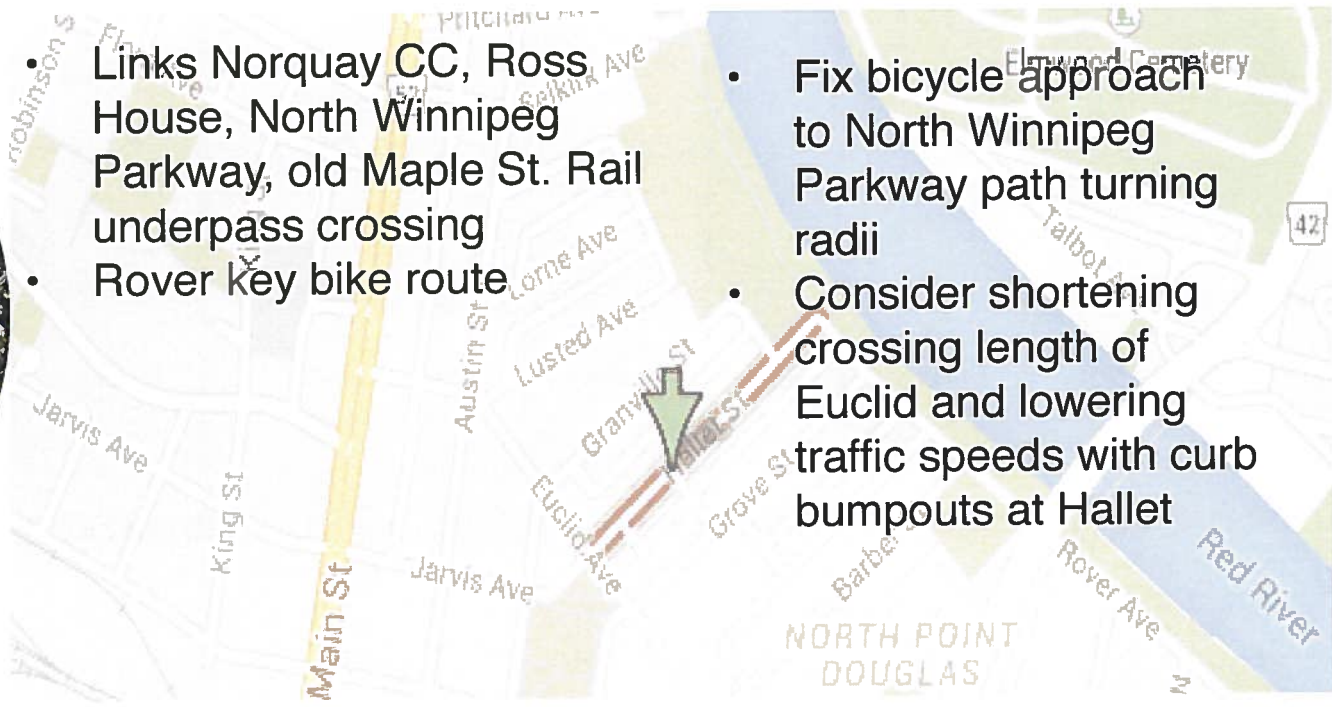


Site notes
Rover to Euclid

- Links Norquay CC, Ross House, North Winnipeg Parkway, old Maple St. Rail underpass crossing
- Rover key bike route

Improvement Opportunities

- Fix bicycle approach to North Winnipeg Parkway path turning radii
- Consider shortening crossing length of Euclid and lowering traffic speeds with curb bumpouts at Hallet



Mynarski Continued on next page...

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Mynarski cont.

Powers St



Site notes
Burrows to Pritchard

- Critical North End Bikeway with improvements in 2010 and missed opportunities at intersections
- Important North End image route
- Direct connection to William Whyte school and Bell Tower
- Fixing pavement will exacerbate automobile speeds - careful

Improvement Opportunities

- Evaluate effectiveness of traffic calming installed in 2010, improve where necessary
- Add curb bumpouts, crosswalks, narrow roadway wherever possible, street lighting
- Reconsider 4-way at Pritchard

Church Ave



Site notes
Aikins to Salter

- Has Sidewalks
- Links to Champlain school one block east

Improvement Opportunities

- Add curb bumpouts, crosswalks, narrow roadway wherever possible

Machray Ave



Site notes
Main to Emslie

- Has Sidewalks

Improvement Opportunities

- Add curb bumpouts, crosswalks, narrow roadway wherever possible

Mynarski Continued on next page...

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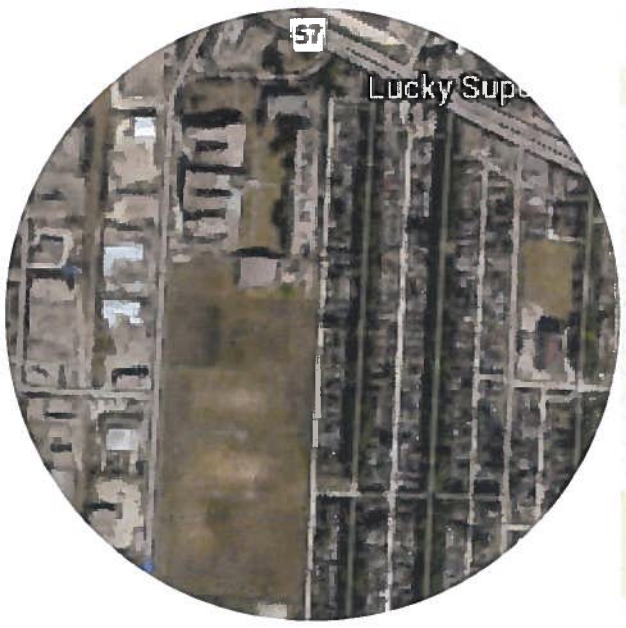
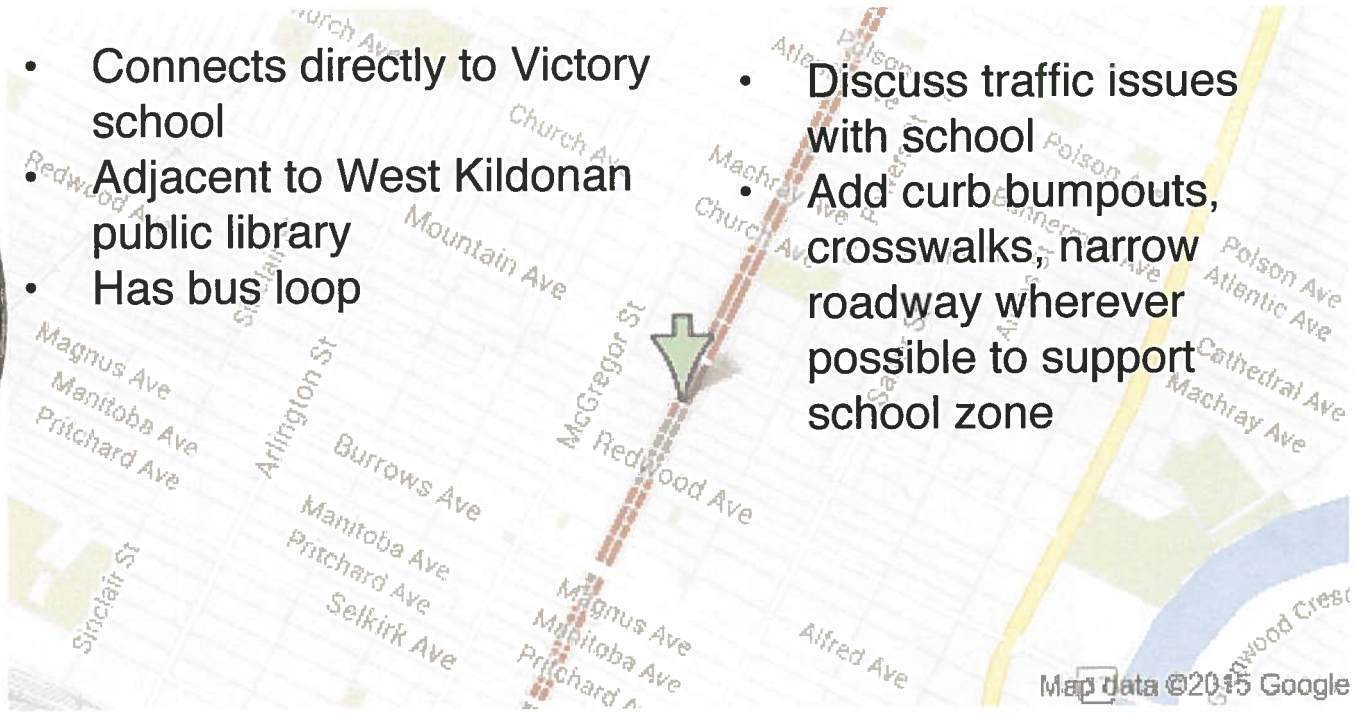
Mynarski cont.

Andrews St



Site notes
Jefferson to Hartford

- Connects directly to Victory school
- Adjacent to West Kildonan public library
- Has bus loop



Improvement Opportunities

- Discuss traffic issues with school
- Add curb bumpouts, crosswalks, narrow roadway wherever possible to support school zone

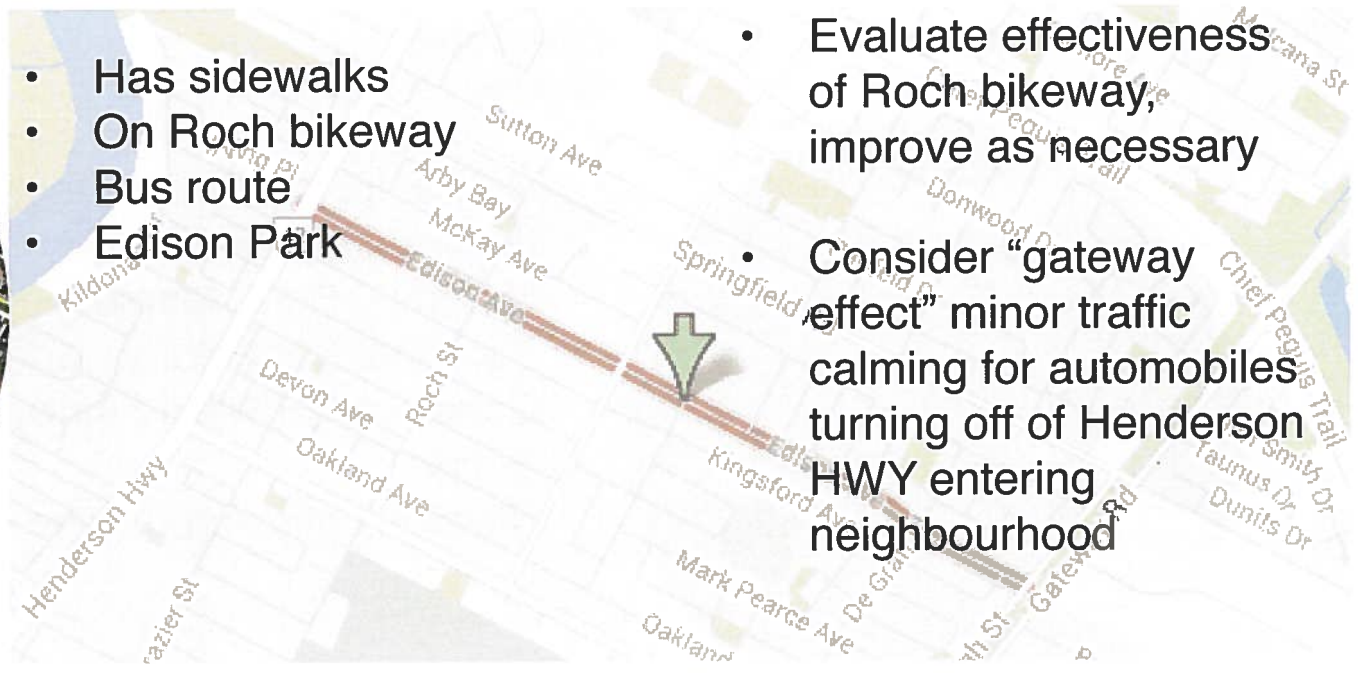
North Kildonan

Edison Ave



Site notes
Henderson to Roch

- Has sidewalks
- On Roch bikeway
- Bus route
- Edison Park



Improvement Opportunities

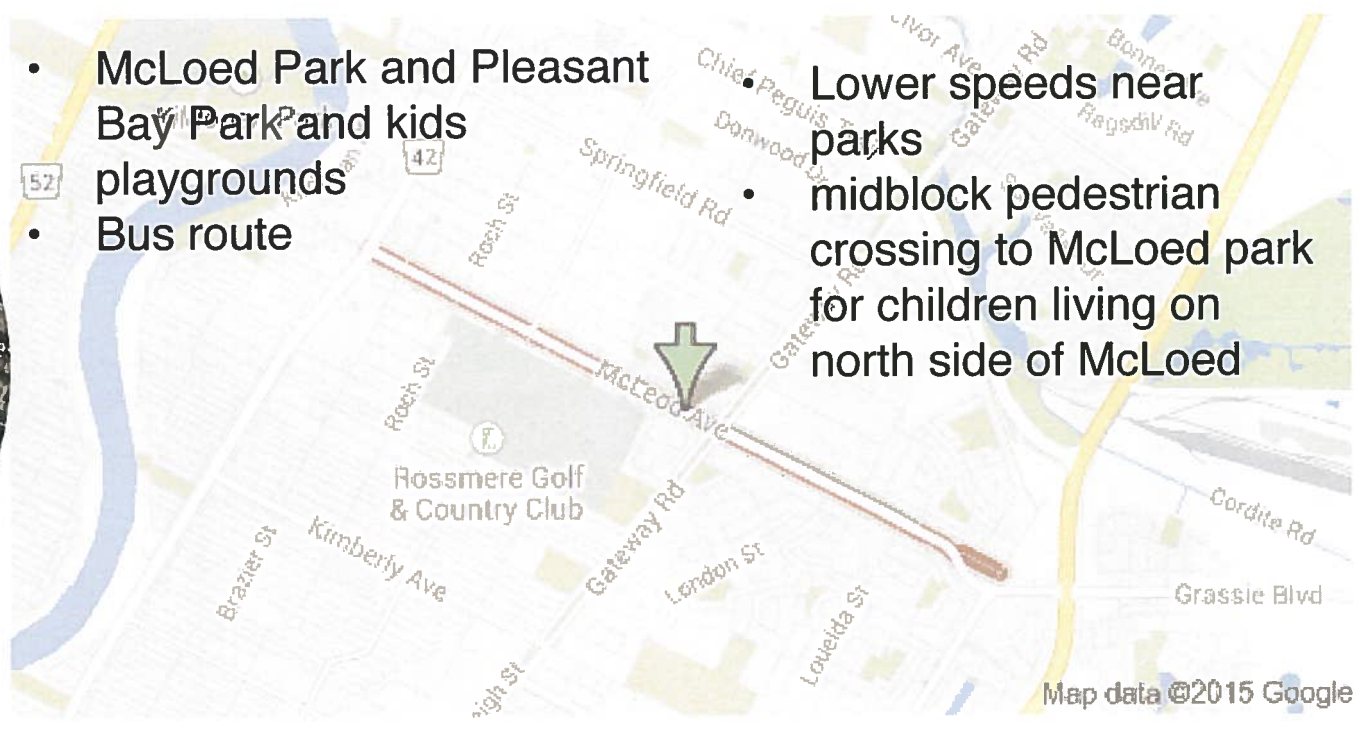
- Evaluate effectiveness of Roch bikeway, improve as necessary
- Consider "gateway effect" minor traffic calming for automobiles turning off of Henderson HWY entering neighbourhood

McLeod Ave



Site notes
Henderson to Melness

- McLoed Park and Pleasant Bay Park and kids playgrounds
- Bus route



Improvement Opportunities

- Lower speeds near parks
- midblock pedestrian crossing to McLoed park for children living on north side of McLoed

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Old Kildonan

Airlies St

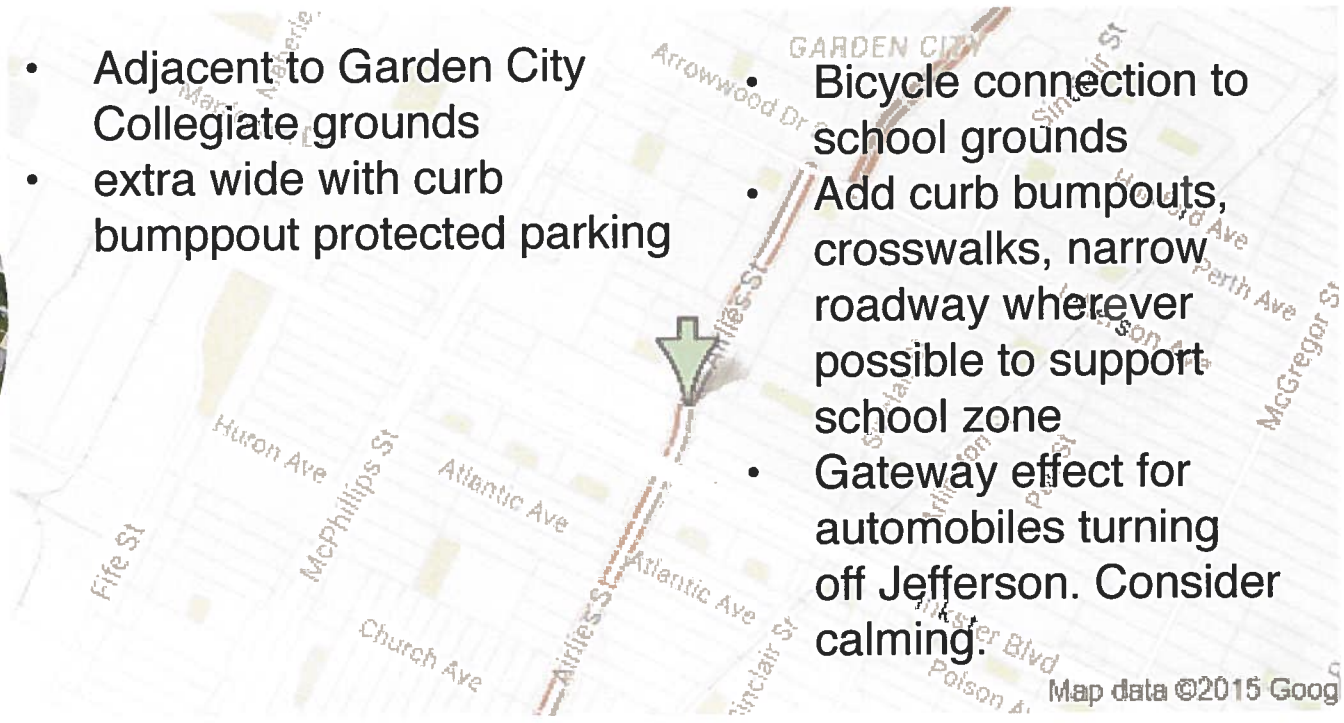


Site notes
Merriwood to Jefferson

- Adjacent to Garden City Collegiate grounds
- extra wide with curb bumppout protected parking

Improvement Opportunities

- Bicycle connection to school grounds
- Add curb bumpouts, crosswalks, narrow roadway wherever possible to support school zone
- Gateway effect for automobiles turning off Jefferson. Consider calming.



Ashmore Dr

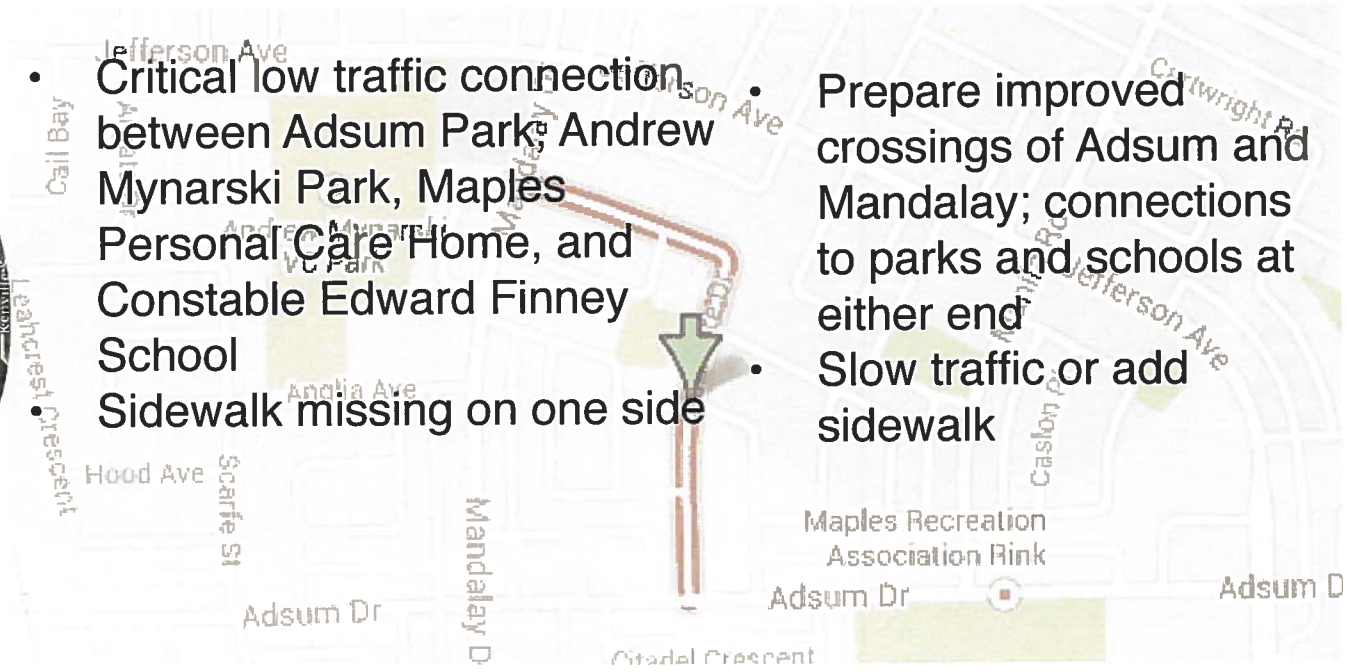


Site notes
Mandalay to Adsum

- Critical low traffic connection between Adsum Park, Andrew Mynarski Park, Maples Personal Care Home, and Constable Edward Finney School
- Sidewalk missing on one side

Improvement Opportunities

- Prepare improved crossings of Adsum and Mandalay; connections to parks and schools at either end
- Slow traffic or add sidewalk



Duval St

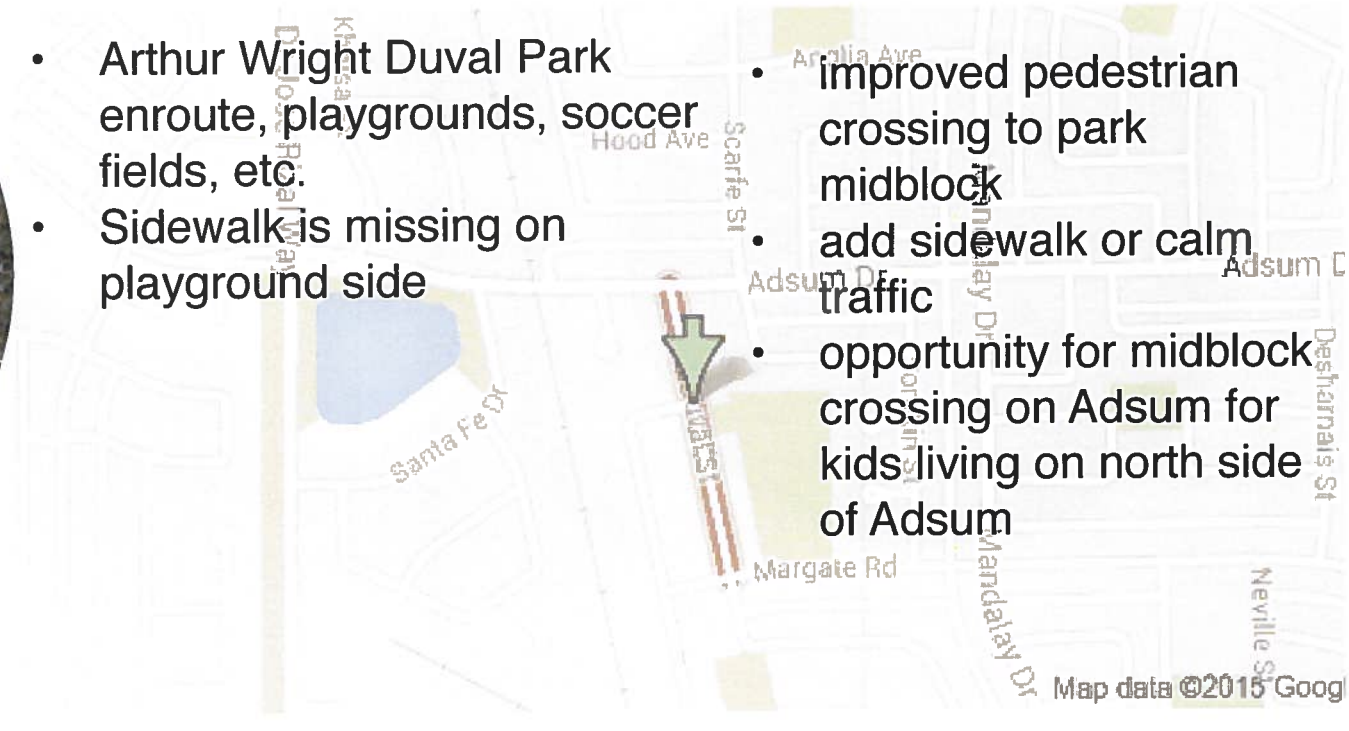


Site notes
Adsum to Margate

- Arthur Wright Duval Park enroute, playgrounds, soccer fields, etc.
- Sidewalk is missing on playground side

Improvement Opportunities

- improved pedestrian crossing to park midblock
- add sidewalk or calm traffic
- opportunity for midblock crossing on Adsum for kids living on north side of Adsum



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Point Douglas

Burrows Ave (EB/ WB)

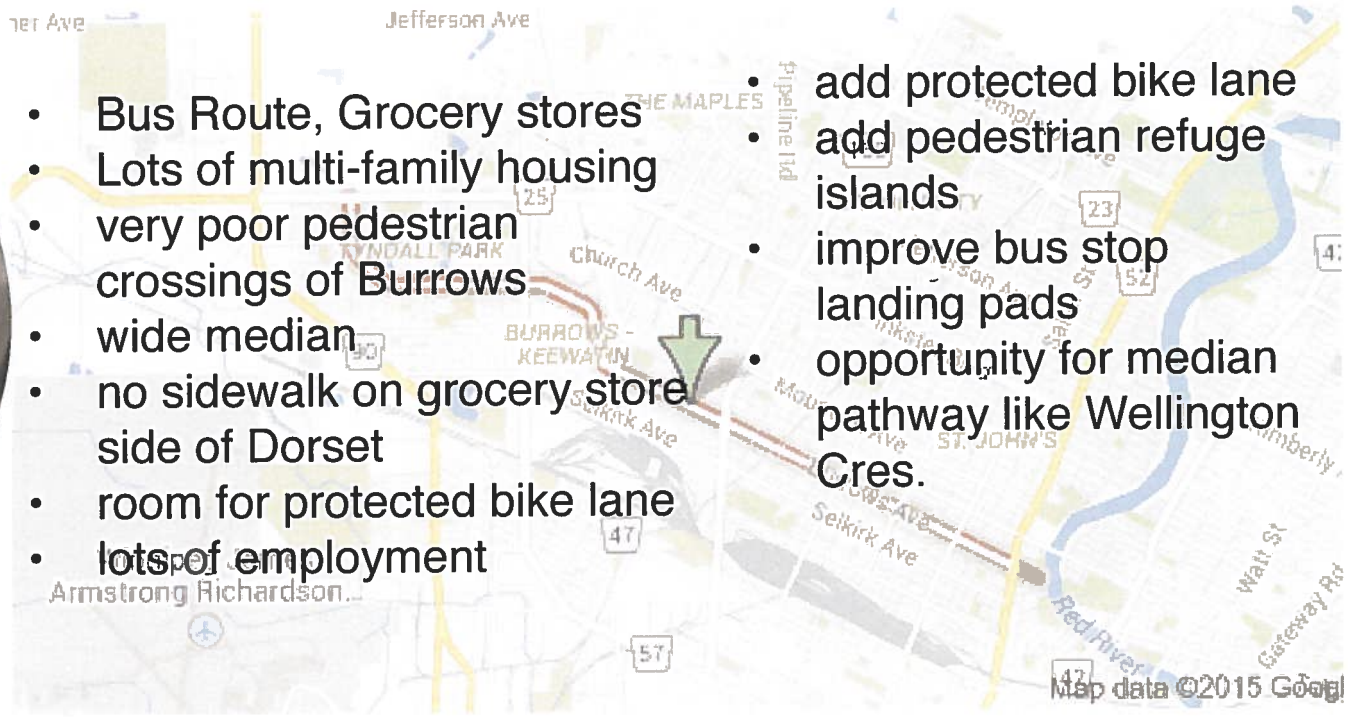


Site notes
Keewatin to Dorset

- Bus Route, Grocery stores
- Lots of multi-family housing
- very poor pedestrian crossings of Burrows
- wide median
- no sidewalk on grocery store side of Dorset
- room for protected bike lane
- lots of employment

Improvement Opportunities

- add protected bike lane
- add pedestrian refuge islands
- improve bus stop landing pads
- opportunity for median pathway like Wellington Cres.



Redwood Ave

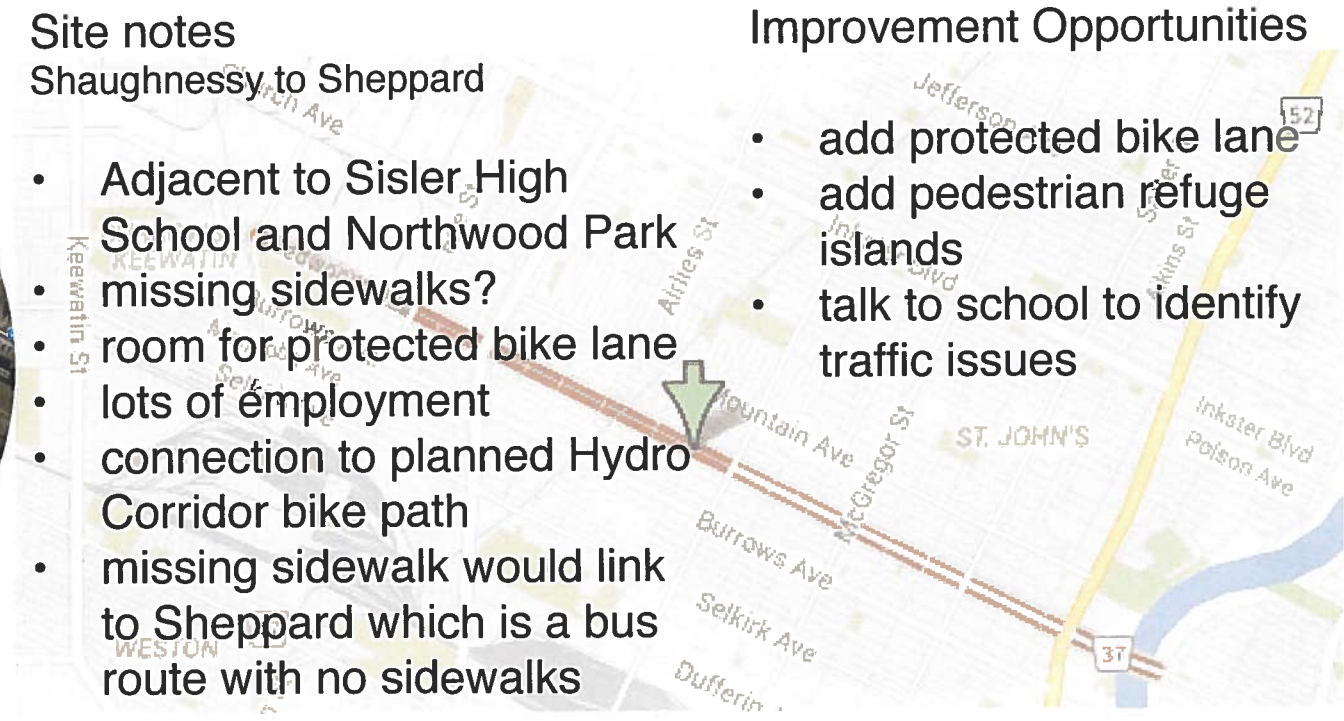


Site notes
Shaughnessy to Sheppard

- Adjacent to Sisler High School and Northwood Park
- missing sidewalks?
- room for protected bike lane
- lots of employment
- connection to planned Hydro Corridor bike path
- missing sidewalk would link to Sheppard which is a bus route with no sidewalks

Improvement Opportunities

- add protected bike lane
- add pedestrian refuge islands
- talk to school to identify traffic issues



Redwood Ave

Battery to Sgt.Tommy Prince

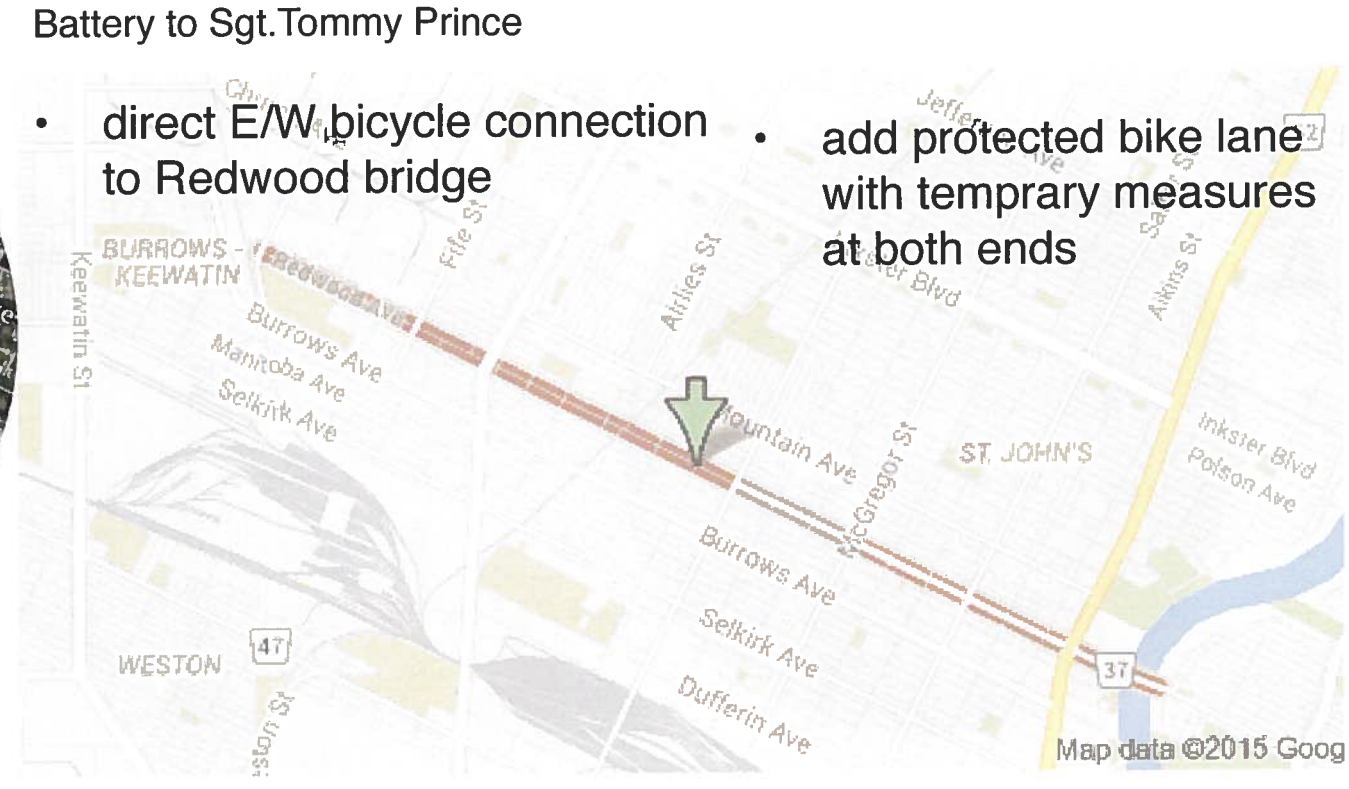


Site notes

- direct E/W bicycle connection to Redwood bridge

Improvement Opportunities

- add protected bike lane with temprary measures at both ends



Local Neighbourhood Transportation:
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Point Douglas cont.

Rose Hill Way

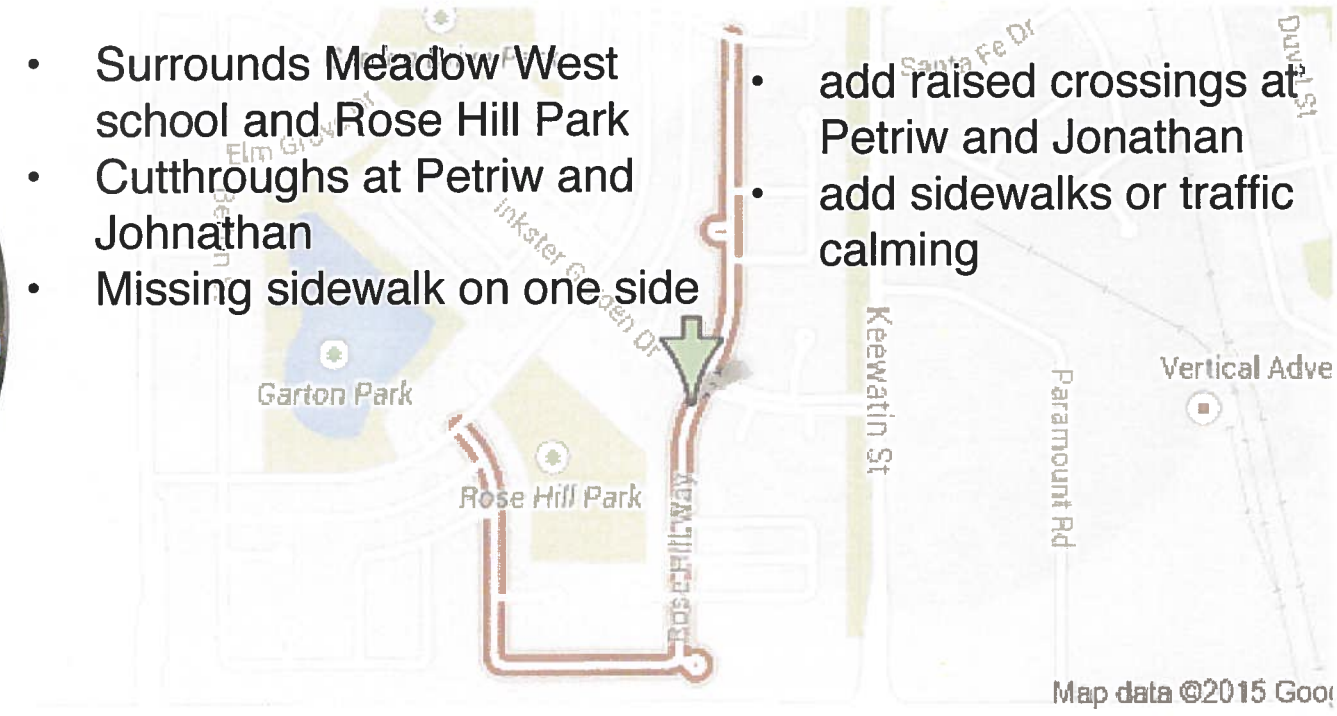


Site notes
Garton to Rose Hill Pl and Rose Hill Pl

- Surrounds Meadow West school and Rose Hill Park
- Cutthroughs at Petriw and Johnathan
- Missing sidewalk on one side

Improvement Opportunities

- add raised crossings at Petriw and Jonathan
- add sidewalks or traffic calming



Heights Fort Garry River

Renfrew St

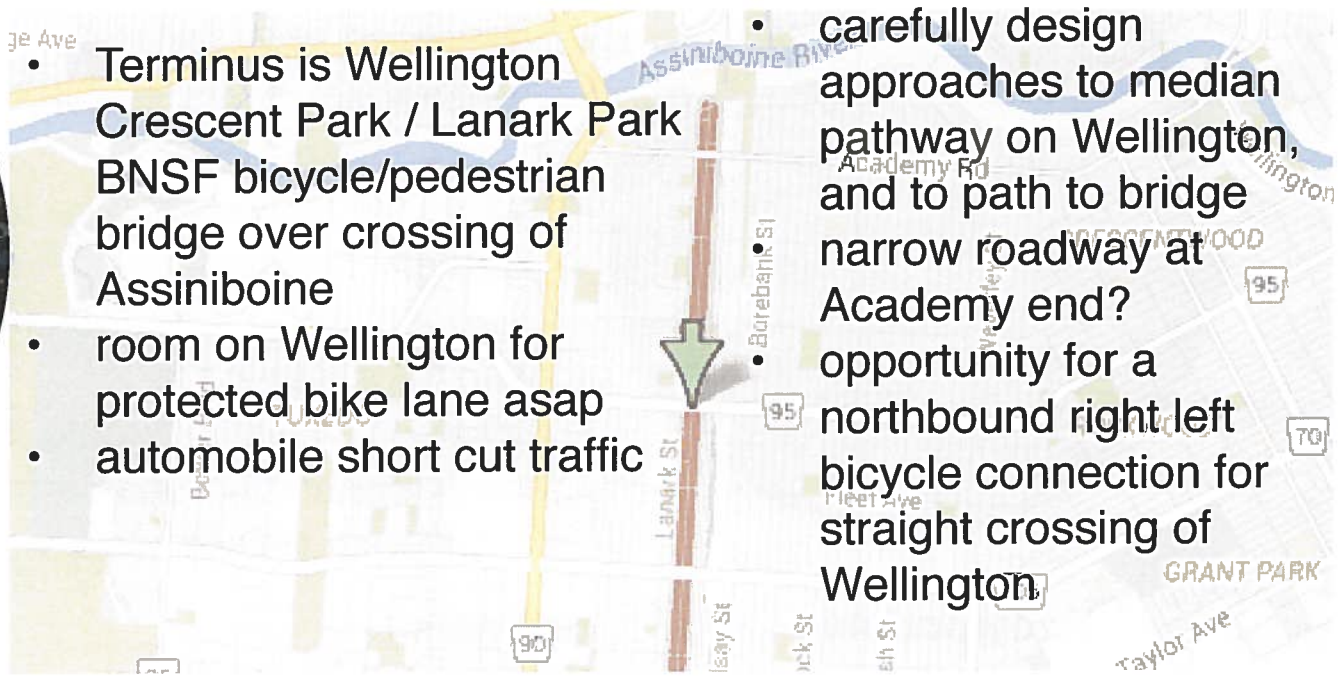


Site notes
Wellington to Academy

- Terminus is Wellington Crescent Park / Lanark Park BNSF bicycle/pedestrian bridge over crossing of Assiniboine
- room on Wellington for protected bike lane asap
- automobile short cut traffic

Improvement Opportunities

- carefully design approaches to median pathway on Wellington, and to path to bridge
- narrow roadway at Academy end?
- opportunity for a northbound right left bicycle connection for straight crossing of Wellington.



Clarence Ave

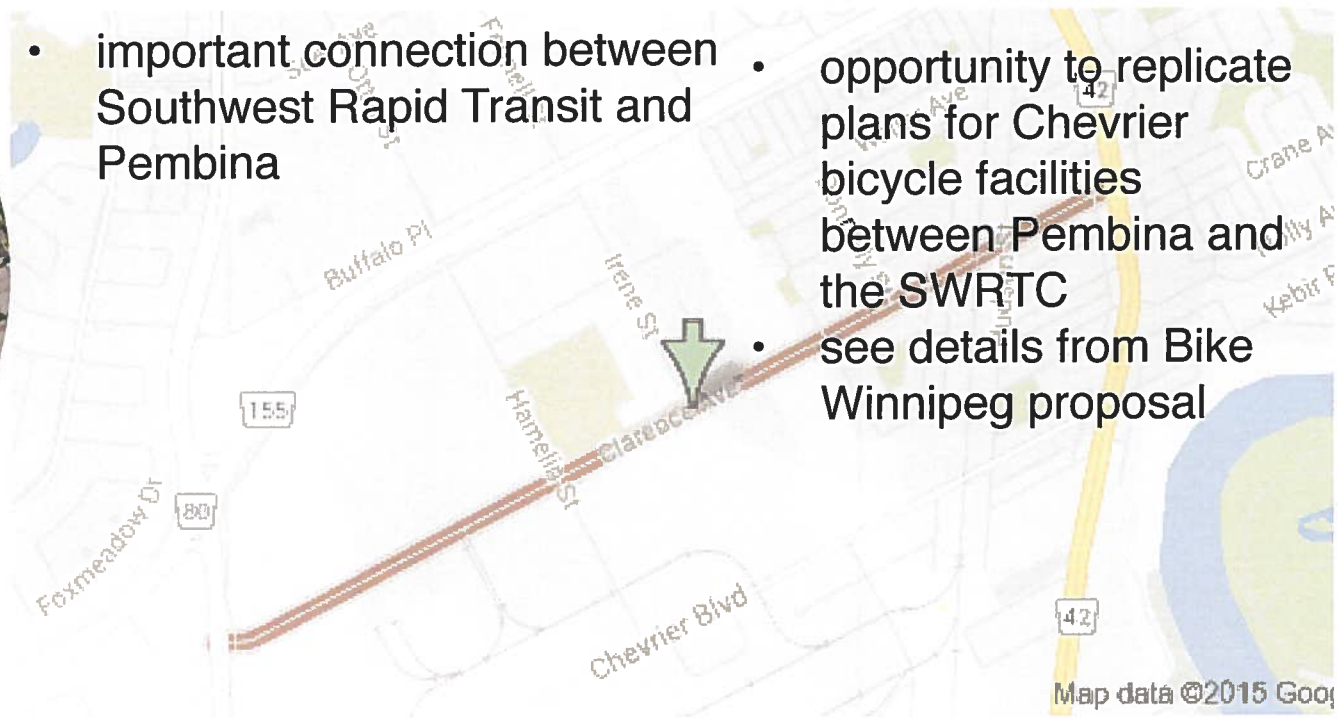


Site notes
Hudson to Marshall Bay (W)

- important connection between Southwest Rapid Transit and Pembina

Improvement Opportunities

- opportunity to replicate plans for Chevrier bicycle facilities between Pembina and the SWRTC
- see details from Bike Winnipeg proposal



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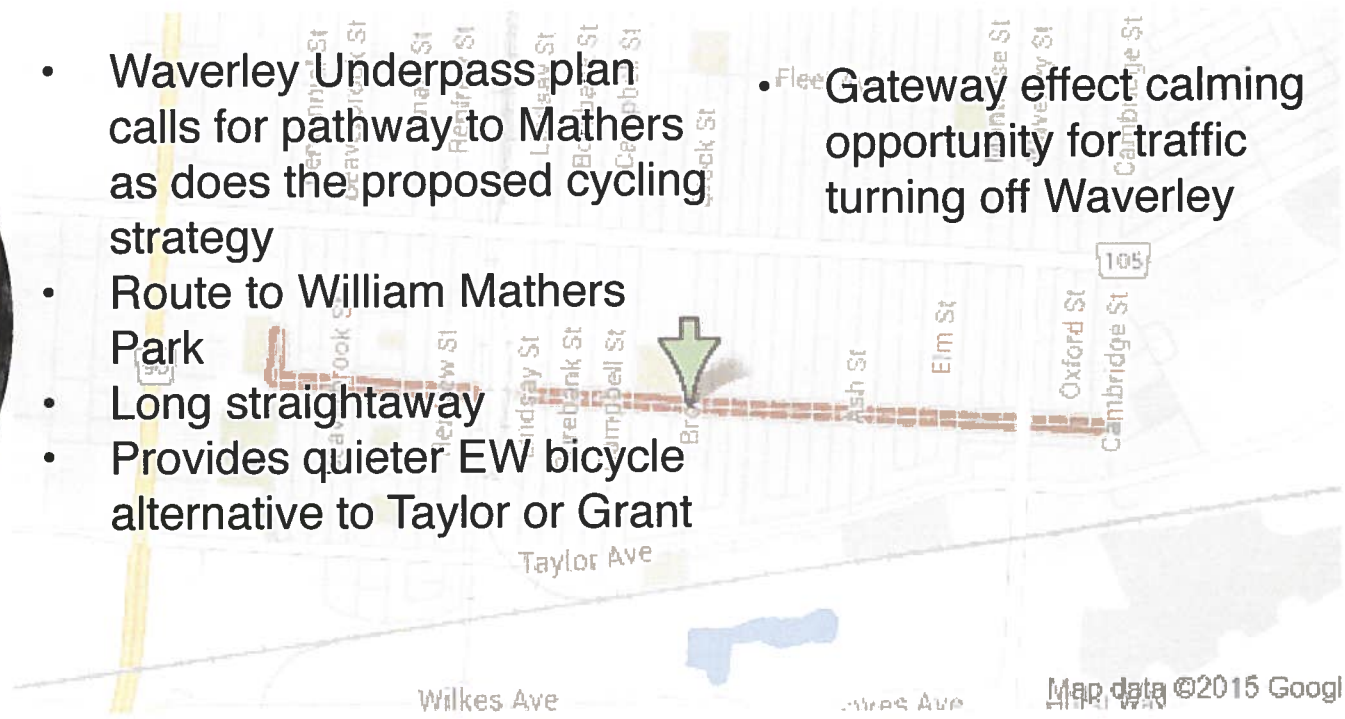
River Heights Fort Garry cont.

Mathers Ave



Site notes
Waverley to Ash

- Waverley Underpass plan calls for pathway to Mathers as does the proposed cycling strategy
- Route to William Mathers Park
- Long straightaway
- Provides quieter EW bicycle alternative to Taylor or Grant



Improvement Opportunities

- Gateway effect calming opportunity for traffic turning off Waverley

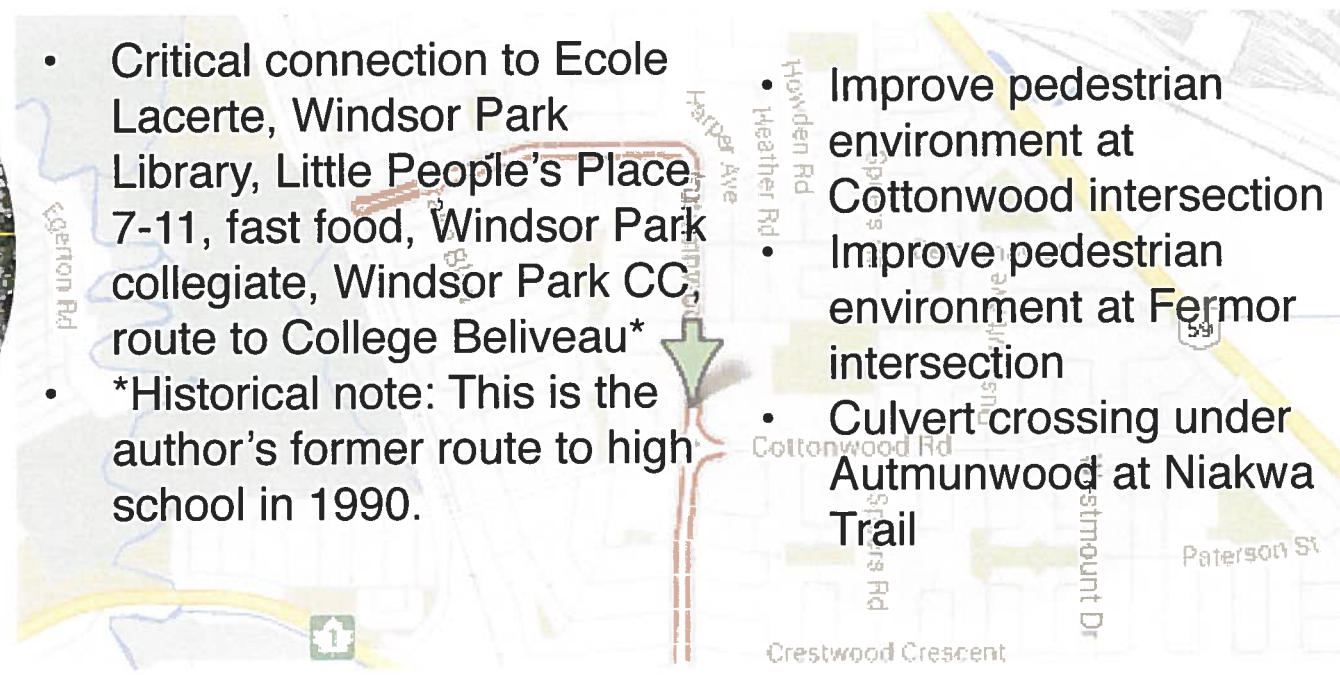
Saint Boniface

Autumnwood Dr



Site notes
Cottonwood to Fermor

- Critical connection to Ecole Lacerte, Windsor Park Library, Little People's Place, 7-11, fast food, Windsor Park collegiate, Windsor Park CC, route to College Beliveau*
- *Historical note: This is the author's former route to high school in 1990.



Improvement Opportunities

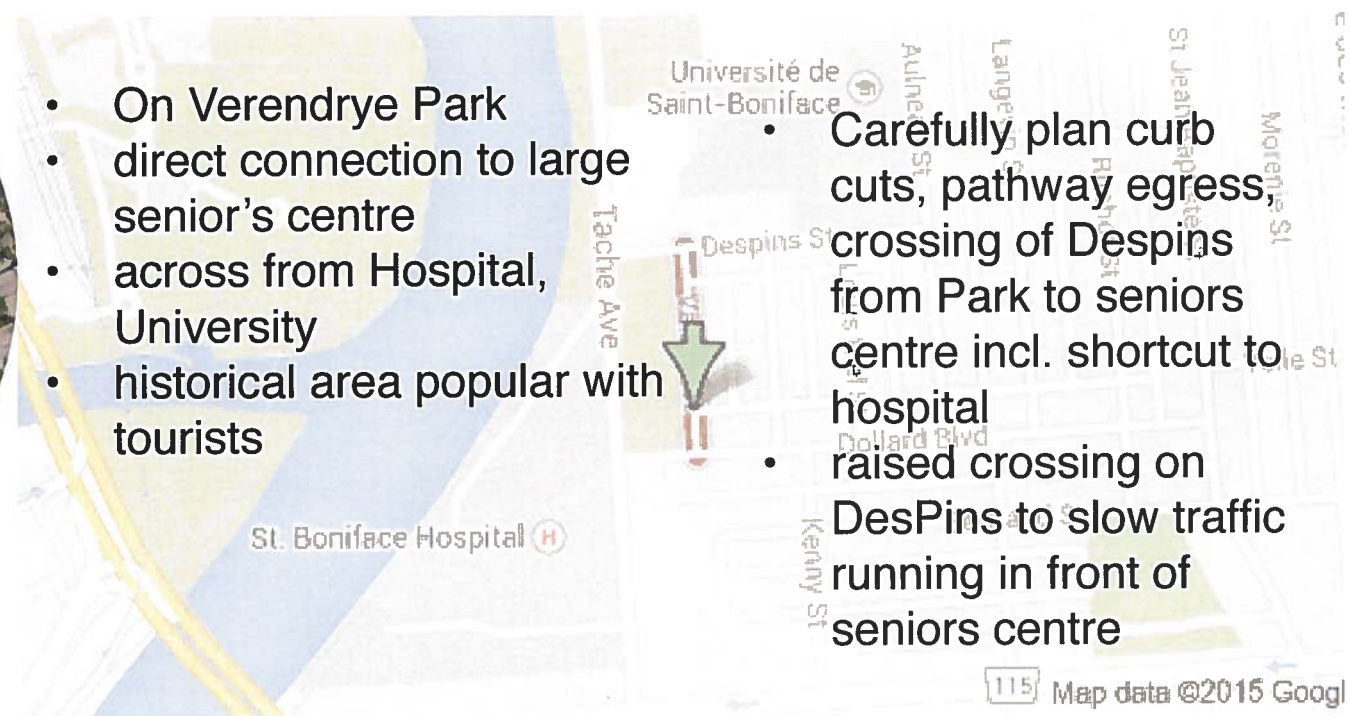
- Improve pedestrian environment at Cottonwood intersection
- Improve pedestrian environment at Fermor intersection
- Culvert crossing under Autmunwood at Niakwa Trail

Rue Valade



Site notes
Despins to Dollard

- On Verendrye Park
- direct connection to large senior's centre
- across from Hospital, University
- historical area popular with tourists



Improvement Opportunities

- Carefully plan curb cuts, pathway egress, crossing of Despins from Park to seniors centre incl. shortcut to hospital
- raised crossing on DesPins to slow traffic running in front of seniors centre

St.Boniface cont.

Local Neighbourhood Transportation:
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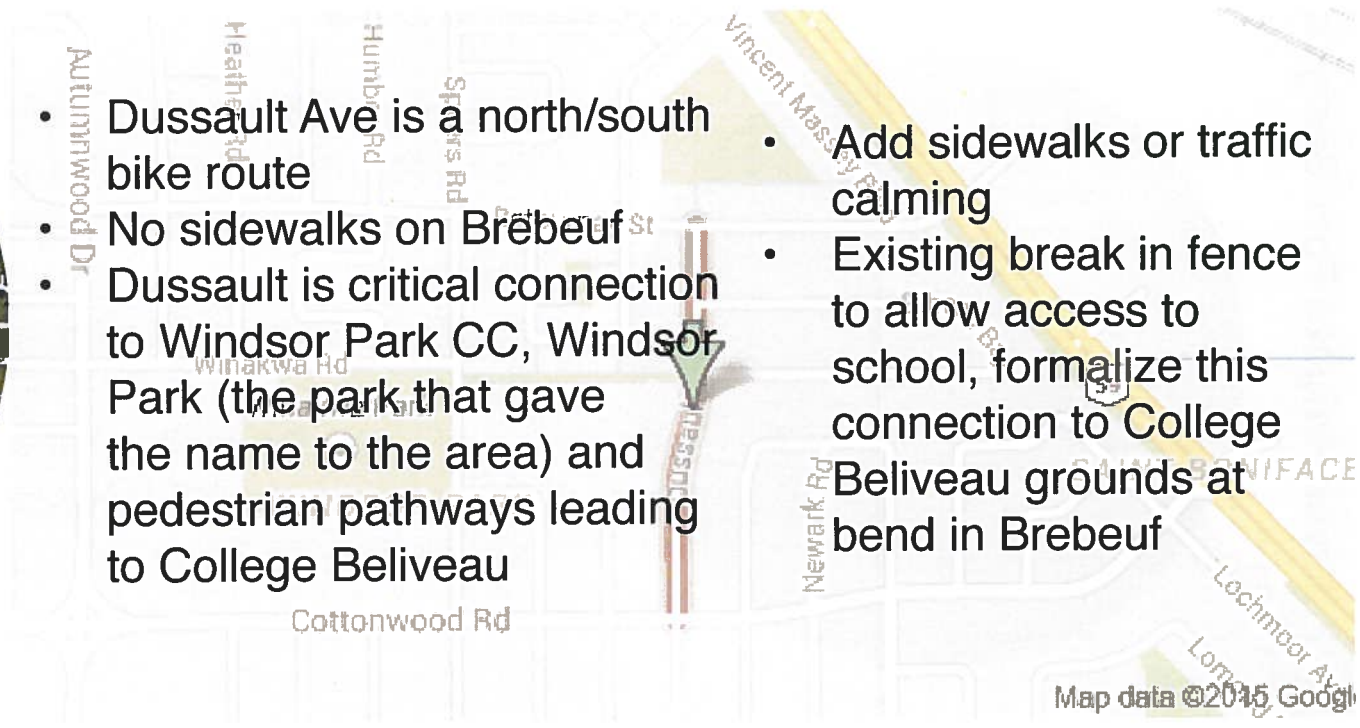
Brebeuf Rd



Site notes
Cottonwood to Dussault

- Dussault Ave is a north/south bike route
- No sidewalks on Brebeuf
- Dussault is critical connection to Windsor Park CC, Windsor Park (the park that gave the name to the area) and pedestrian pathways leading to College Beliveau



Improvement Opportunities

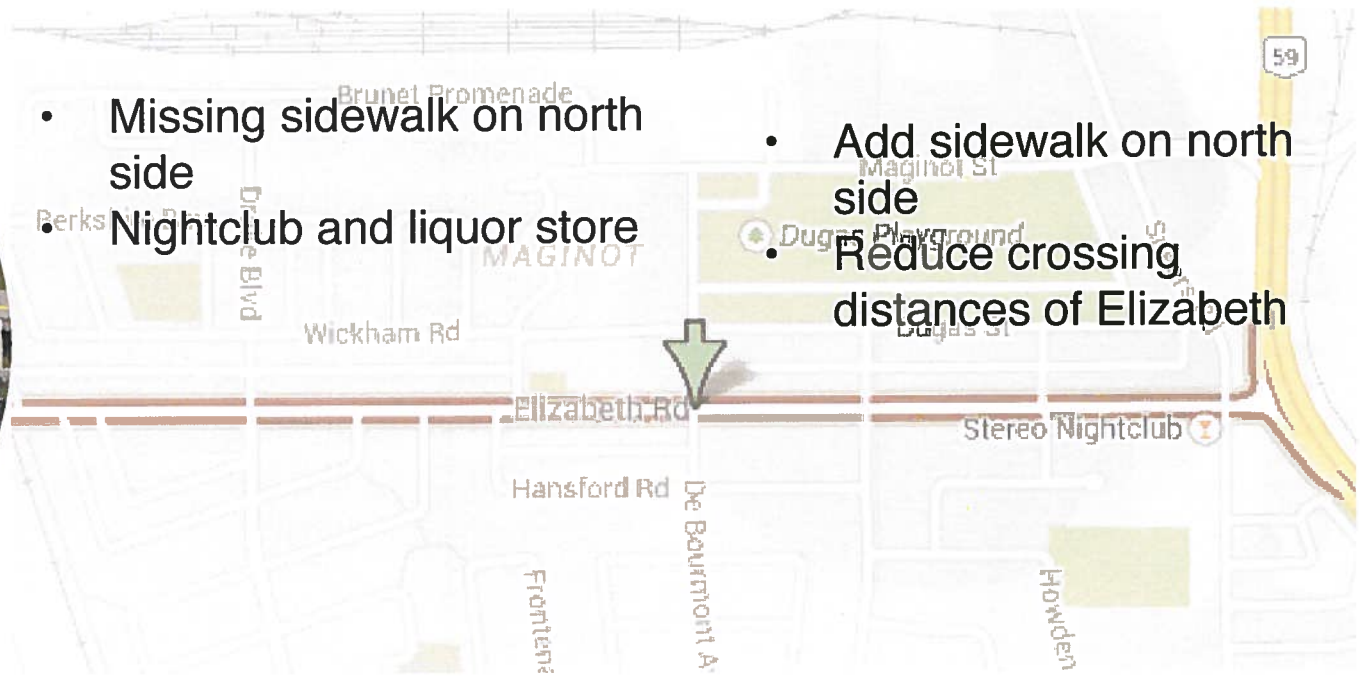
- Add sidewalks or traffic calming
- Existing break in fence to allow access to school, formalize this connection to College Beliveau grounds at bend in Brebeuf

Elizabeth Rd



Site notes
Speers to Bleau

- Missing sidewalk on north side
- Nightclub and liquor store



Improvement Opportunities

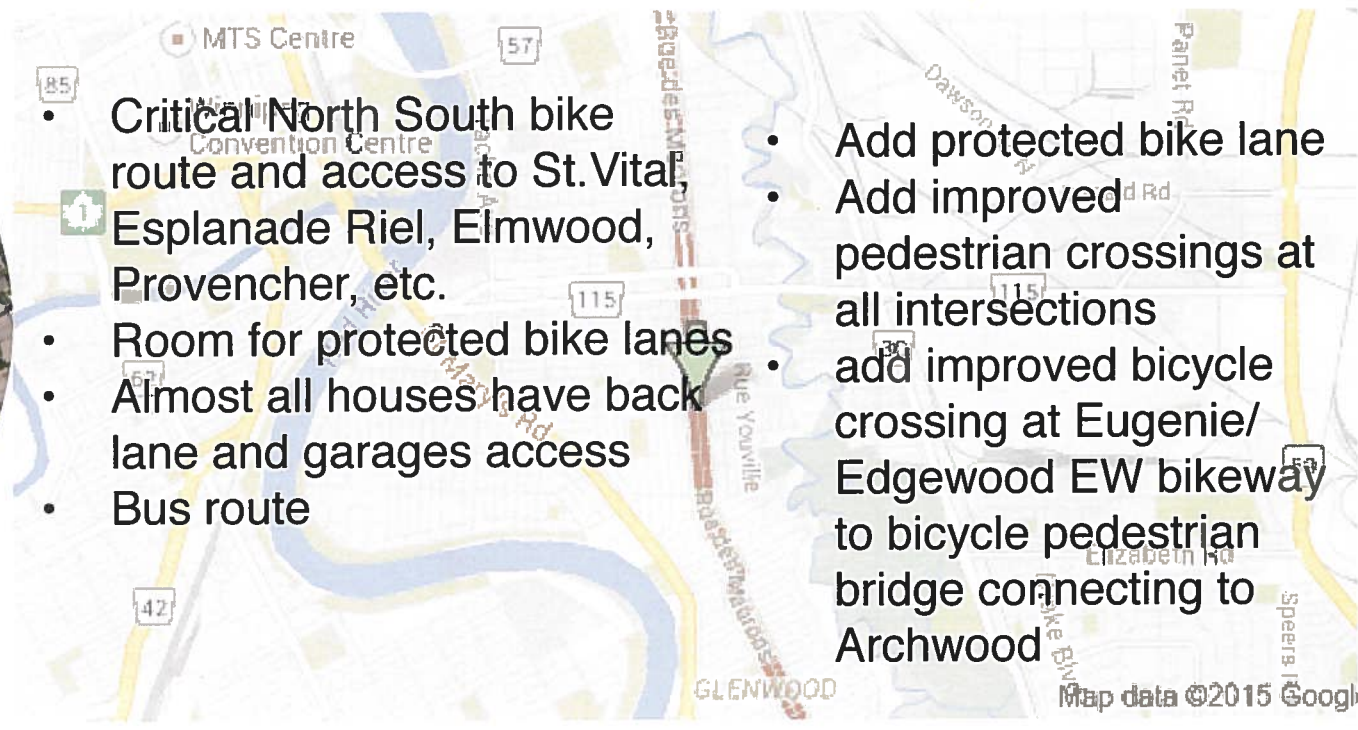
- Add sidewalk on north side
- Reduce crossing distances of Elizabeth

Rue Des Meurons



Site notes
Horace to Carriere

- Critical North South bike route and access to St.Vital, Esplanade Riel, Elmwood, Provencher, etc.
- Room for protected bike lanes
- Almost all houses have back lane and garages access
- Bus route



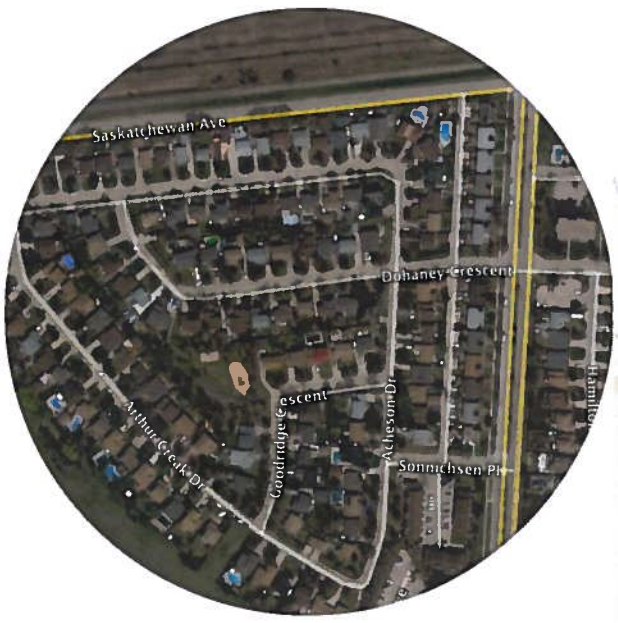
Improvement Opportunities

- Add protected bike lane
- Add improved pedestrian crossings at all intersections
- add improved bicycle crossing at Eugenie/ Edgewood EW bikeway to bicycle pedestrian bridge connecting to Archwood

Local Neighbourhood Transportation:
Design review of 2015 local street renewal projects

St. Charles

Dohaney Cr

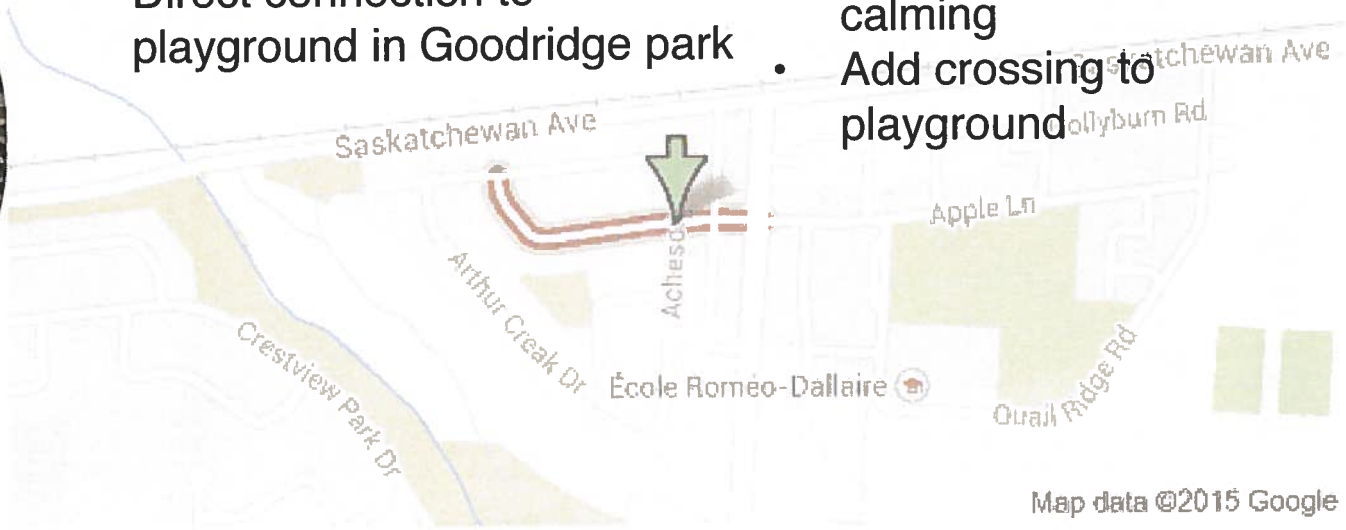


Site notes
Hamilton to Acheson

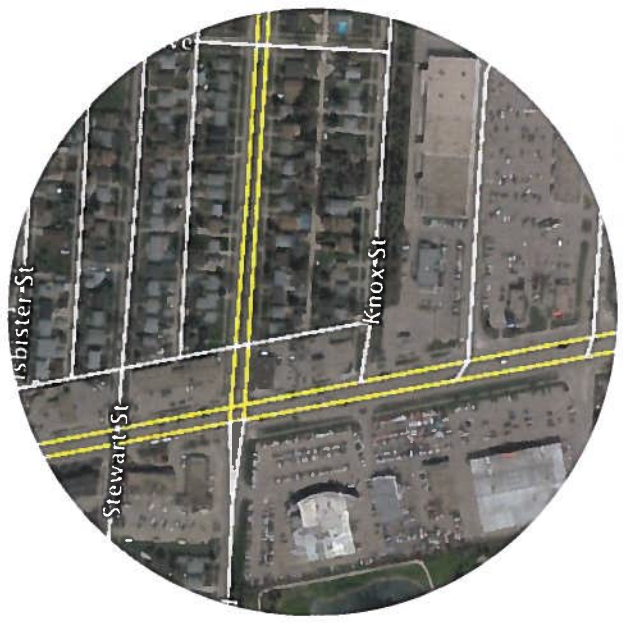
- No sidewalks
- Direct connection to playground in Goodridge park

Improvement Opportunities

- Add sidewalks or traffic calming
- Add crossing to playground



N/B Buchanan Blvd

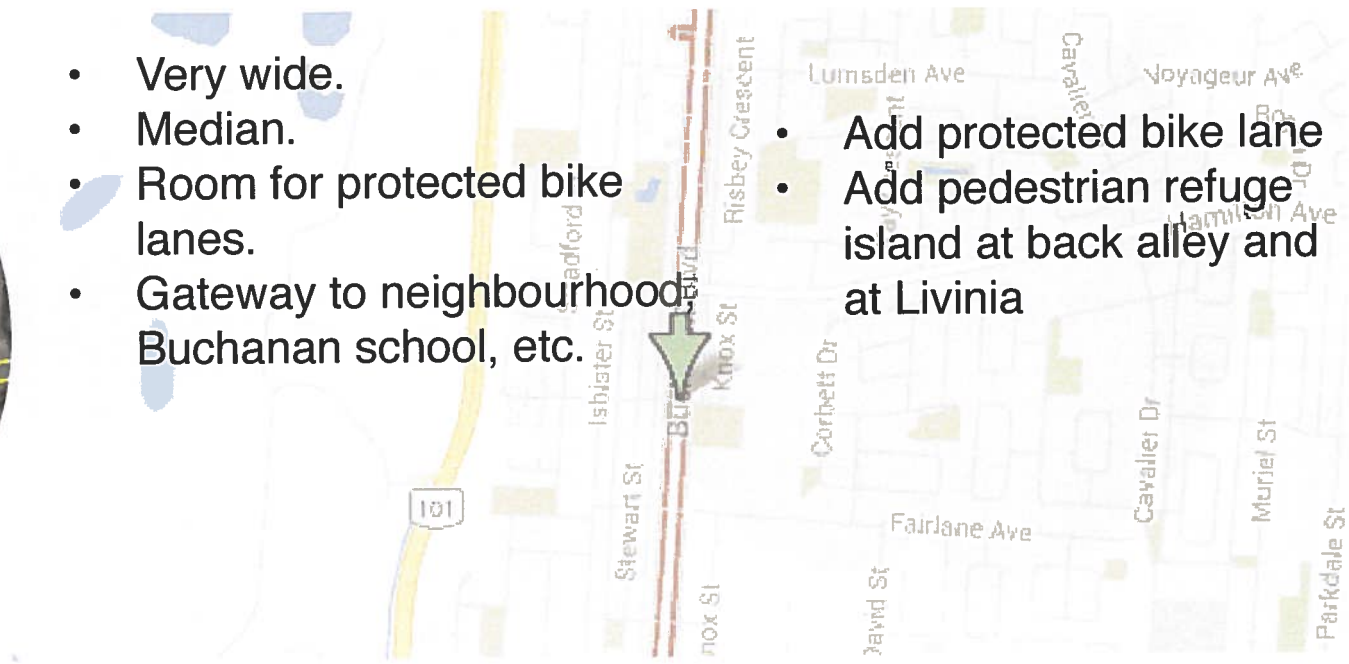


Site notes
Portage to Livinia

- Very wide.
- Median.
- Room for protected bike lanes.
- Gateway to neighbourhood, Buchanan school, etc.

Improvement Opportunities

- Add protected bike lane
- Add pedestrian refuge island at back alley and at Livinia



Cavalier Dr

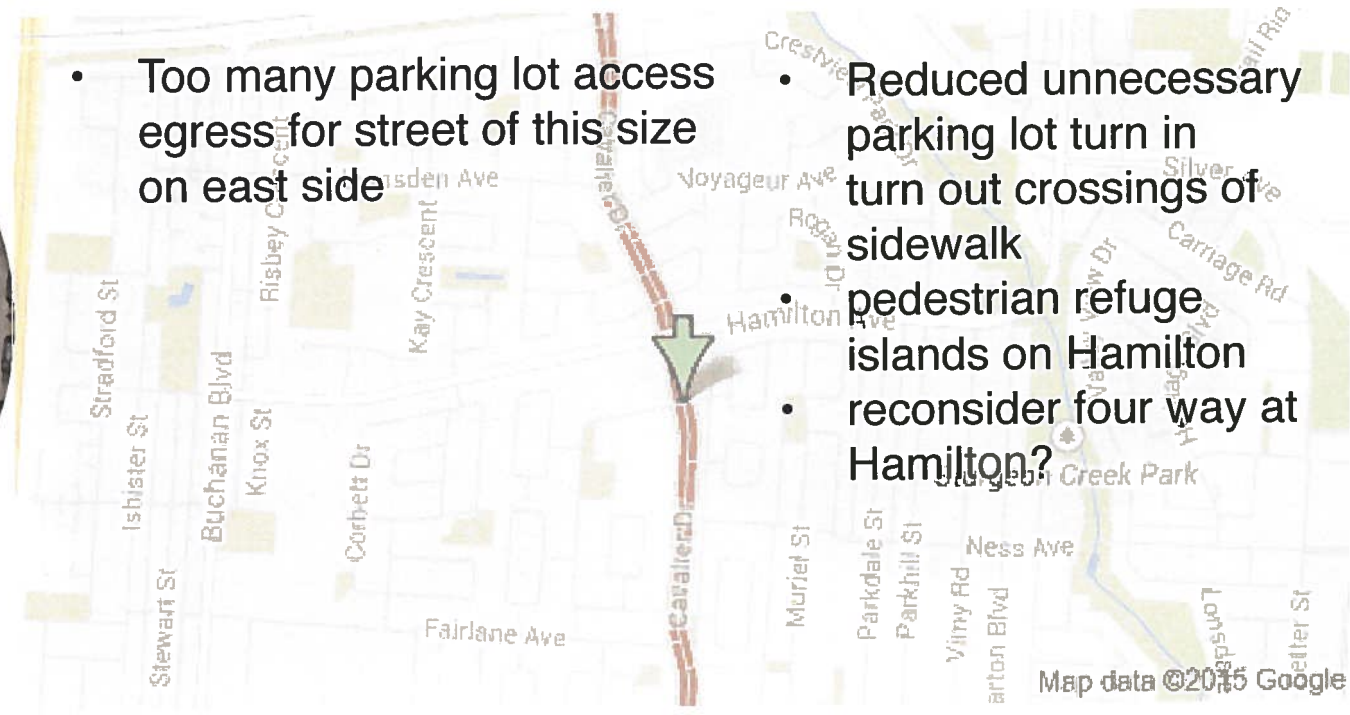


Site notes
Hedges to Hillary

- Too many parking lot access egress for street of this size on east side

Improvement Opportunities

- Reduced unnecessary parking lot turn in turn out crossings of sidewalk
- pedestrian refuge islands on Hamilton
- reconsider four way at Hamilton?



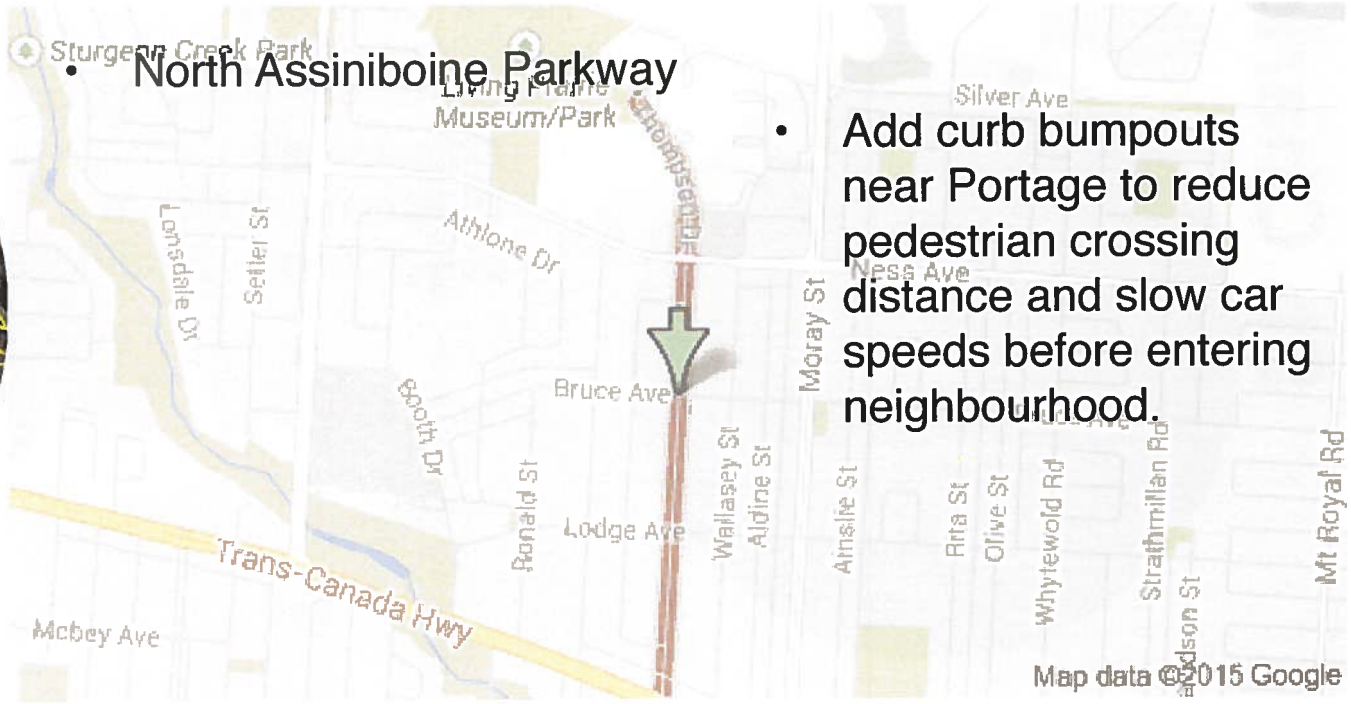
Local Neighbourhood Transportation:
Design review of 2015 local street renewal projects

St. James Brooklands

Thompson Dr



Site notes
Portage to Assiniboine



- North Assiniboine Parkway

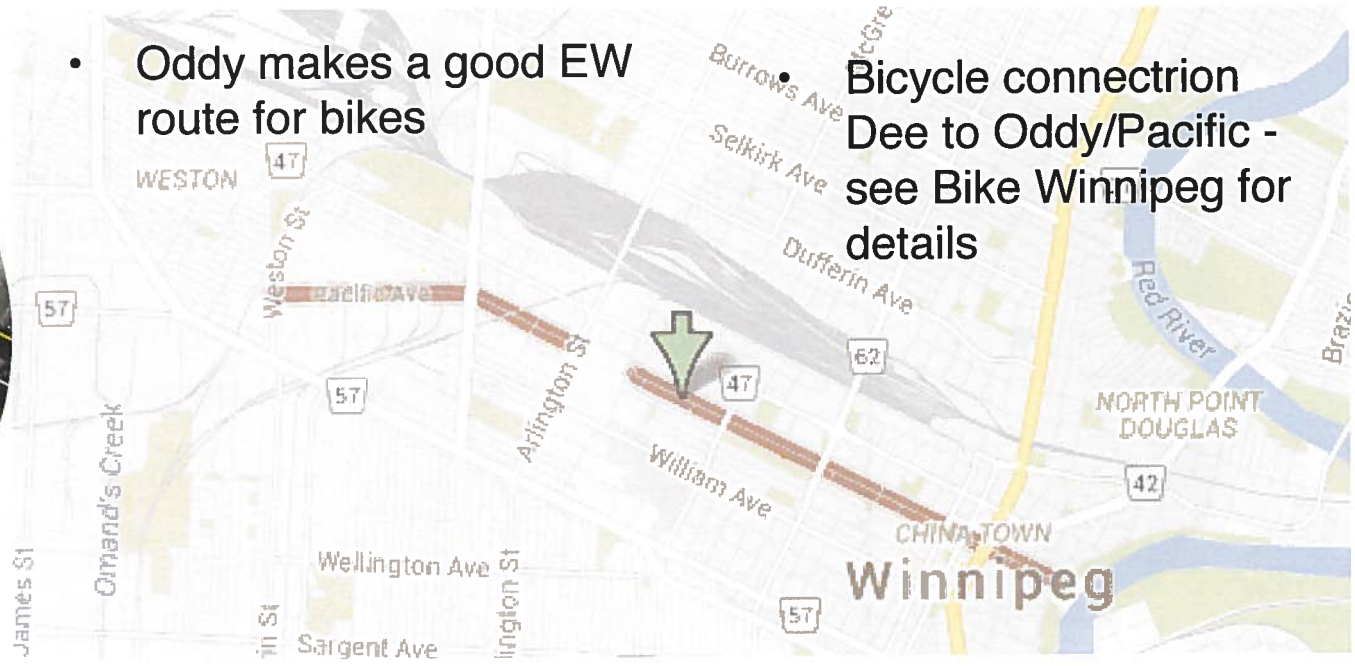
Improvement Opportunities

- Add curb bumpouts near Portage to reduce pedestrian crossing distance and slow car speeds before entering neighbourhood.

Pacific Ave



Site notes
Keewatin to Oddy



- Oddy makes a good EW route for bikes

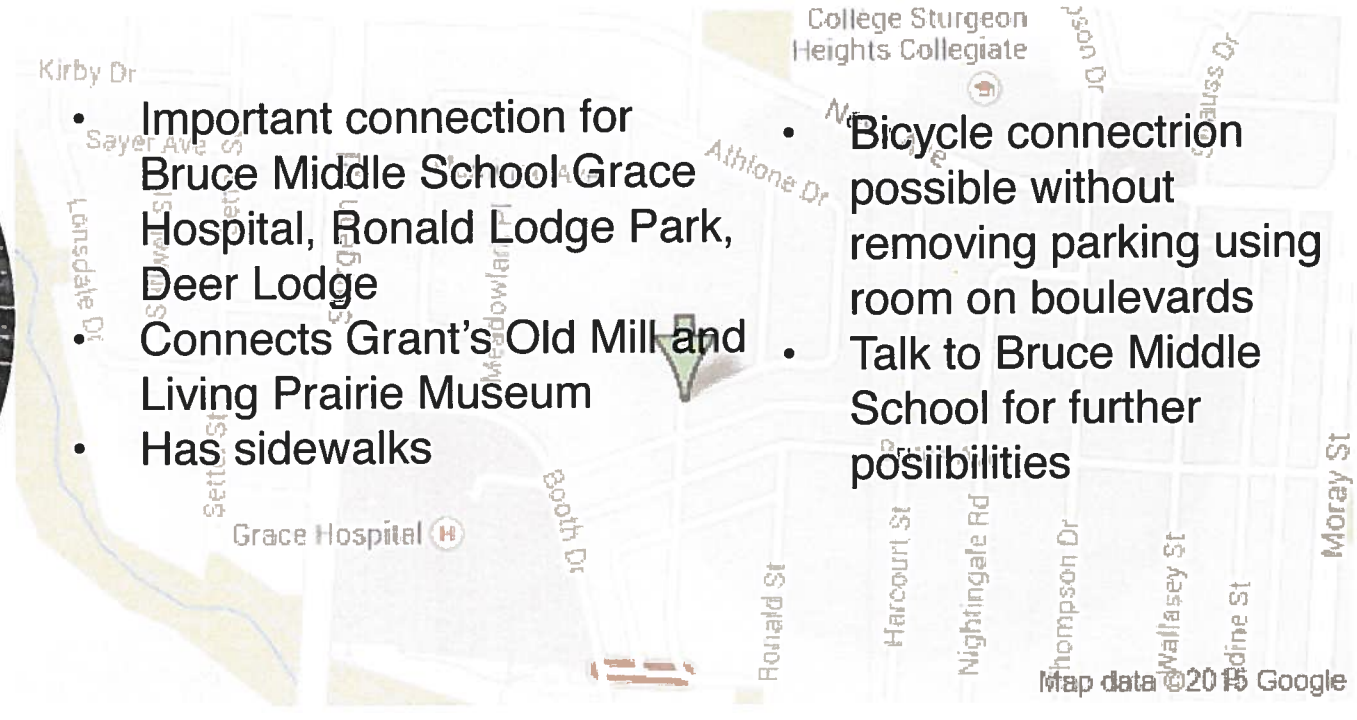
Improvement Opportunities

- Bicycle connectrion Dee to Oddy/Pacific - see Bike Winnipeg for details

Athlone Dr (E Leg)



Site notes
Prairire View to Ronald



- Important connection for Bruce Middle School Grace Hospital, Ronald Lodge Park, Deer Lodge
- Connects Grant's Old Mill and Living Prairie Museum
- Has sidewalks

Improvement Opportunities

- Bicycle connectrion possible without removing parking using room on boulevards
- Talk to Bruce Middle School for further posiibilities

Local Neighbourhood Transportation:
Design review of 2015 local street renewal projects

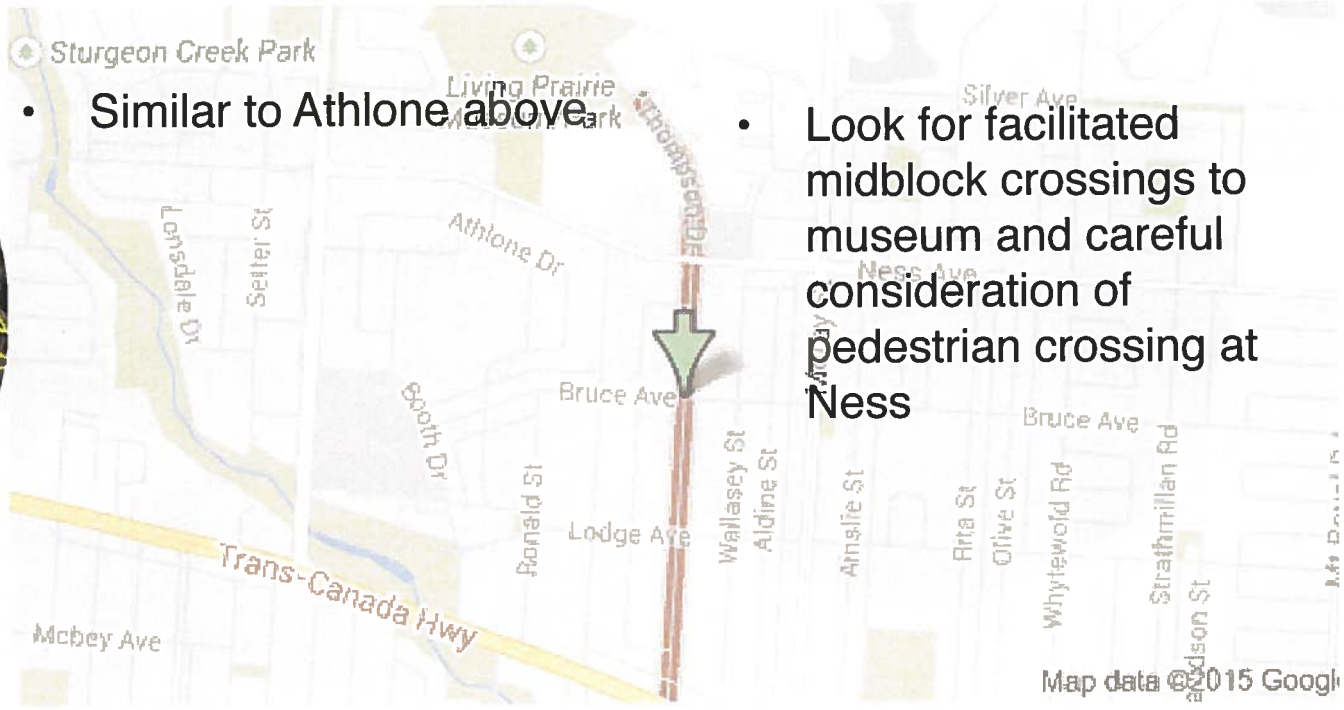
St.James Brooklands cont.

Prairie View Rd



Site notes
Athlone to Ness

- Similar to Athlone above.



Improvement Opportunities

- Look for facilitated midblock crossings to museum and careful consideration of pedestrian crossing at Ness

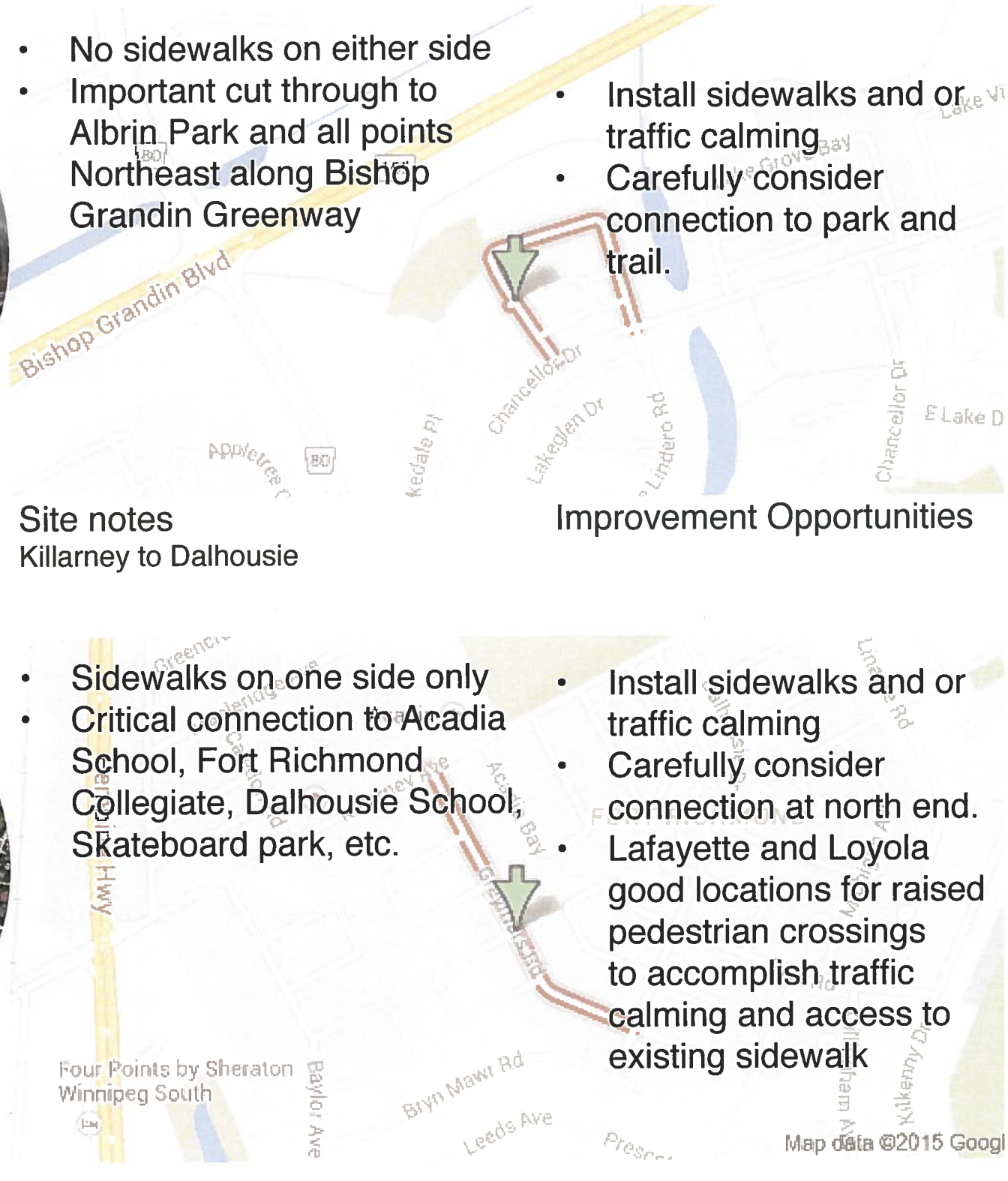
St. Norbert

Swan Lake Bay



Site notes
Entire (Chancellor ot Chancellor)

- No sidewalks on either side
- Important cut through to Albrin Park and all points Northeast along Bishop Grandin Greenway



Improvement Opportunities

- Install sidewalks and or traffic calming
- Carefully consider connection to park and trail.

Greyfriars Rd



Site notes
Killarney to Dalhousie

- Sidewalks on one side only
- Critical connection to Acadia School, Fort Richmond Collegiate, Dalhousie School, Skateboard park, etc.

Improvement Opportunities

- Install sidewalks and or traffic calming
- Carefully consider connection at north end.
- Lafayette and Loyola good locations for raised pedestrian crossings to accomplish traffic calming and access to existing sidewalk

Local Neighbourhood Transportation:
Design review of 2015 local street renewal projects

St. Vital

River Rd

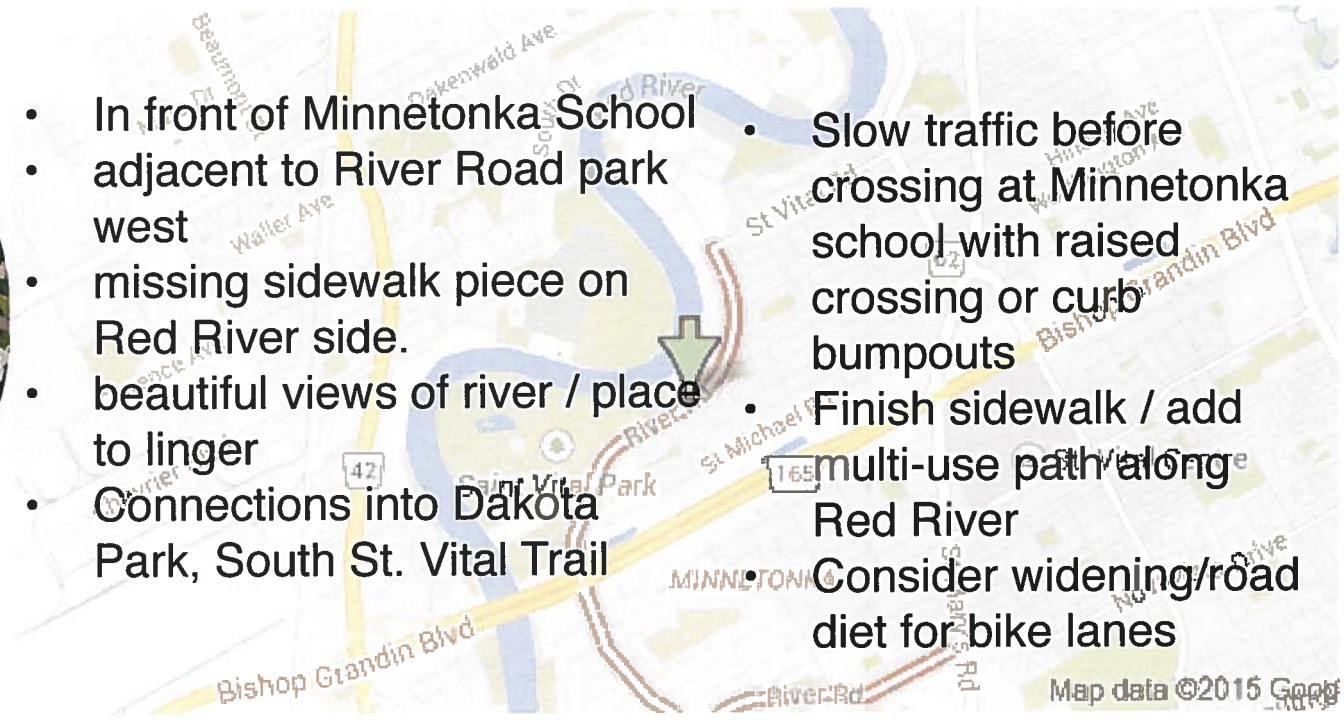


Site notes
Nicollett to Minnetonka

- In front of Minnetonka School
- adjacent to River Road park west
- missing sidewalk piece on Red River side.
- beautiful views of river / place to linger
- Connections into Dakota Park, South St. Vital Trail

Improvement Opportunities

- Slow traffic before crossing at Minnetonka school with raised crossing or curb bumpouts
- Finish sidewalk / add multi-use path along Red River
- Consider widening/road diet for bike lanes



Hull Ave

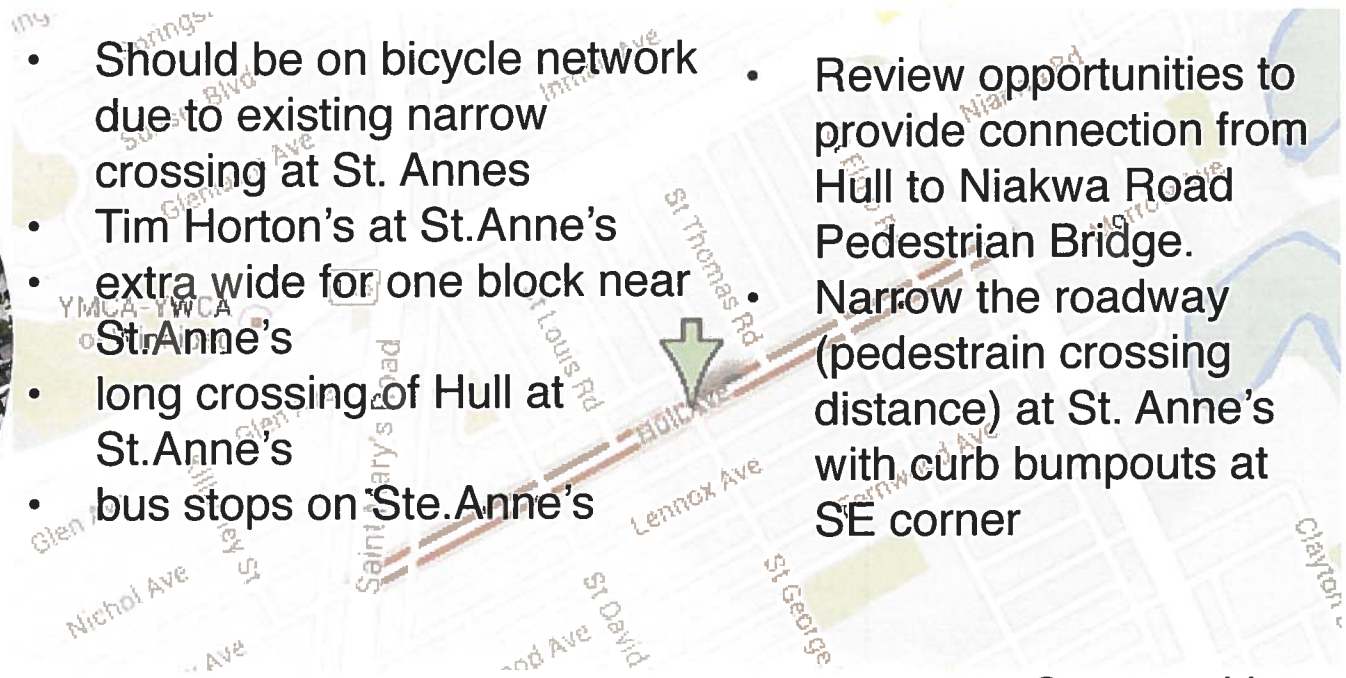


Site notes
St.Anne's Road to St.David

- Should be on bicycle network due to existing narrow crossing at St. Annes
- Tim Horton's at St.Anne's
- extra wide for one block near St.Anne's
- long crossing of Hull at St.Anne's
- bus stops on Ste.Anne's

Improvement Opportunities

- Review opportunities to provide connection from Hull to Niakwa Road Pedestrian Bridge.
- Narrow the roadway (pedestrain crossing distance) at St. Anne's with curb bumpouts at SE corner



Hawkins Cr

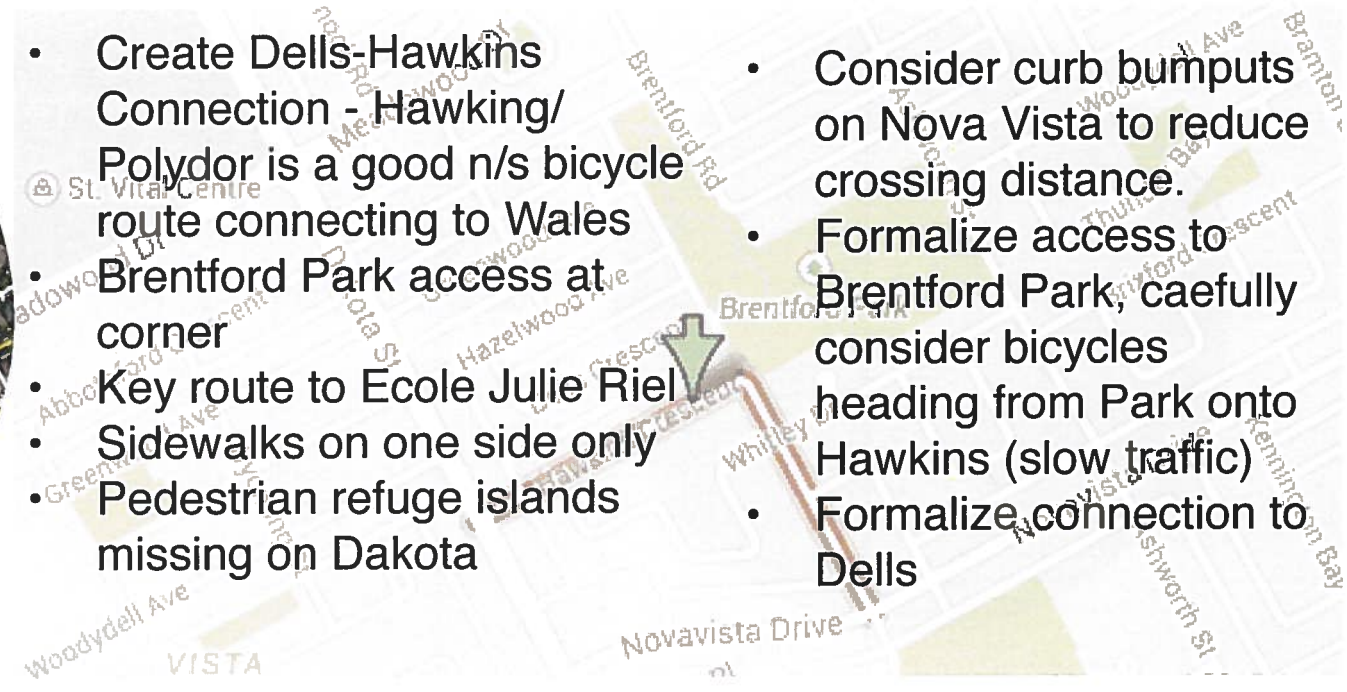


Site notes
Dakota to Novavista

- Create Dells-Hawkins Connection - Hawking/ Polydor is a good n/s bicycle route connecting to Wales
- Brentford Park access at corner
- Key route to Ecole Julie Riel
- Sidewalks on one side only
- Pedestrian refuge islands missing on Dakota

Improvement Opportunities

- Consider curb bumputs on Nova Vista to reduce crossing distance.
- Formalize access to Brentford Park, caefully consider bicycles heading from Park onto Hawkins (slow traffic)
- Formalize connection to Dells



Local Neighbourhood Transportation:
Design review of 2015 local street renewal projects

St.JVital cont.

Hindley Ave



Site notes
Fitzpatrick to St.Mary's

- fairly narrow
- sidewalks both sides
- sidewalk crossing on NE corner of St.Mary's intersection is not universal design friendly
- no pedestrian refuges on St.Mary's itself
- parking on north side
- bus stop at SE corner St.Mary's intersection

Improvement Opportunities

- align sidewalk to future addition of pedestrian refuge on St.Mary's
- bcurb bumpout at St.Mary's in front of parking (to reduce turning speeds and crossing distances for elderly)

Transcona

Bienvenue



Site notes
Ravelston W to Regent W

- sidewalk cut through (Atwood@Pandora to Regent) terminates at south end of Bienvenue
- industrial
- no sidewalks
- very low density
- parking/employment
- no sidewalks on Ravelston

Improvement Opportunities

- consult with employees of local business re: need for sidewalks
- see dev't plans for area NW of here for future demand

Kildare



Site notes
Day to Wayoata

- runs adjacent to outdoor pool, arena, baseball field
- children playing sign just East of Day
- large medians suitable for protected bike lanes
- on direct route from schools to subway, grocery store, seniors centre
- bus route, beautiful trees
- sidewalks both sides
- bright painted xwalk near Leola

Improvement Opportunities

- consider protected bike lanes in median space under tree canopy for young people on bikes, roller blades, local travel
- enhance and formalize pedestrian approaches to stadium and wading pool
- focus traffic calming near Wabasha

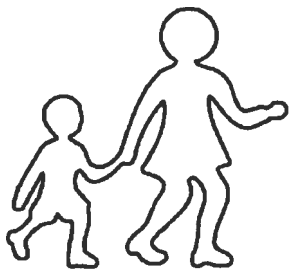
IMPORTANT NOTE ON THIN BITUMINOUS OVERLAYS AND ALLEYWAYS

This document does not contain a review of any projects slated for Thin Bituminous Overlay (TBO) or back lanes and alleyways rehabilitations. These too represent considerable opportunities to improve the pedestrian and cycling realm in Winnipeg at a micro-site level.

For TBOs, we recommend considering the opportunities affforded by the ability to repaint lines and realign lanes. In occasional circumstances, curbs will be rebuilt (if they are in very poor shape) and this is a chance to realign sidewalks and provide traffic calming.

Back lanes and alleyways, like roads, function as multi-modal facilities, provide important walking connections to parking garages, maintenance doors, rear apartment building doors, and local homes. Occasionally, they are very important for cycling, especially downtown and as shortcuts on one way streets. All backlanes are, by nature, low speed, mixed use facilities and represent particularly good opportunities for shared space design principles.

In short, we recommend that a similar perspective be applied to these projects. Opportunities to maximize improvements to the healthy built environment should be harnessed whenever any form of construction or road repair takes place.



Feedback

To provide feedback on this document or for more information, please contact the Winnipeg Trails Asssociation Coordinator at info@winnipegtrails.ca or by phone at 204-797-1962

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