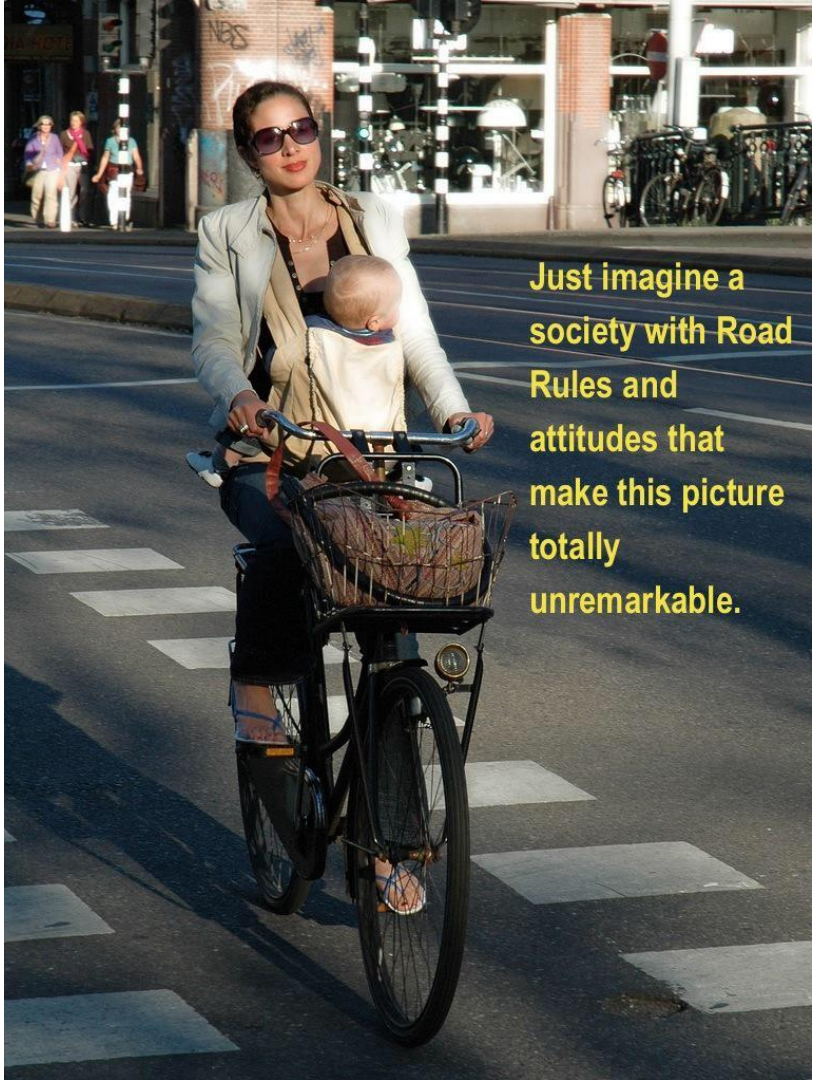
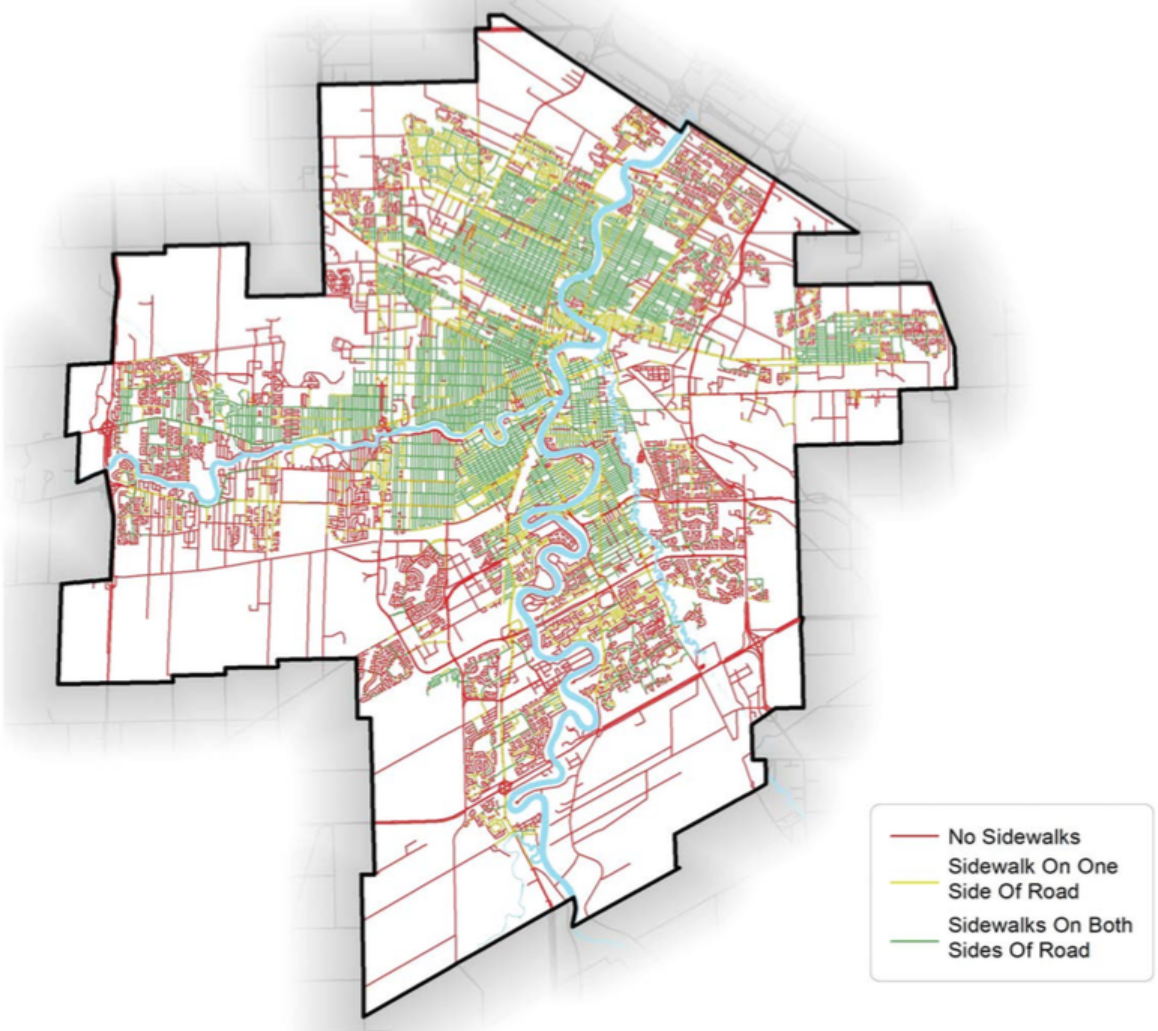

Just imagine a society with Road Rules and attitudes that make this picture totally unremarkable.

WALKING


No Sidewalks
Sidewalk On One Side Of Road
Sidewalks On Both Sides Of Road
N


BICYCLE SIGNAL WINNIPEG


PEDESTRIAN MALL FINLAND


CROSSING GUARD US


RAISED CROSSING AND REFUGE ISLAND SINGAPORE


SIDEWALK


PLAZA


TRAFFIC-CALMED DOWNTOWN ITALY


3-D MAP FOR VISUALLY IMPAIRED UK

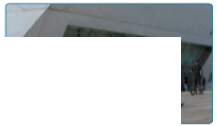

PEDESTRIAN/BIKE PATH CROSSING PORTO


RAISED CROSSWALK UTAH








PORTO


PLANTER PROTECTED CYCLETRACK


FROZEN PATHWAYS MANITOBA


SNOWCLEARING


BIKE PATH SIDEWALK CROSSING ICELAND








FRANCE


EMBEDDED CROSSWALK LIGHTS SPAIN


BIKE BRIDGE FINLAND


RAISED INTERSECTION FRANCE


PLANTERS AS TRAFFIC CALMING SWEDEN








FRANCE


BIKE PATH SPEED HUMP FRANCE


PEDESTRIAN REFUGE ISLAND


ROAD NARROWING UK

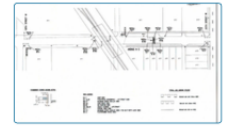

TRAFFIC CALMING CIRCLE SEATTLE








UC, QUEBEC


MIDBLOCK CROSSWALK SASKATOON


BIKE LANE AND CURB BUMPOUT VANCOUVER

DESIRE LINES OTTAWA

PLANTERS AS TRAFFIC CALMING UK

BIKE PATH ONTARIO

TRAFFIC CALMING CIRCLE MINNESOTA

BUFFERED CYCLETRACK

RAISED CYCLETRACK

BUFFERED CYCLETRACK WASHINGTON, DC

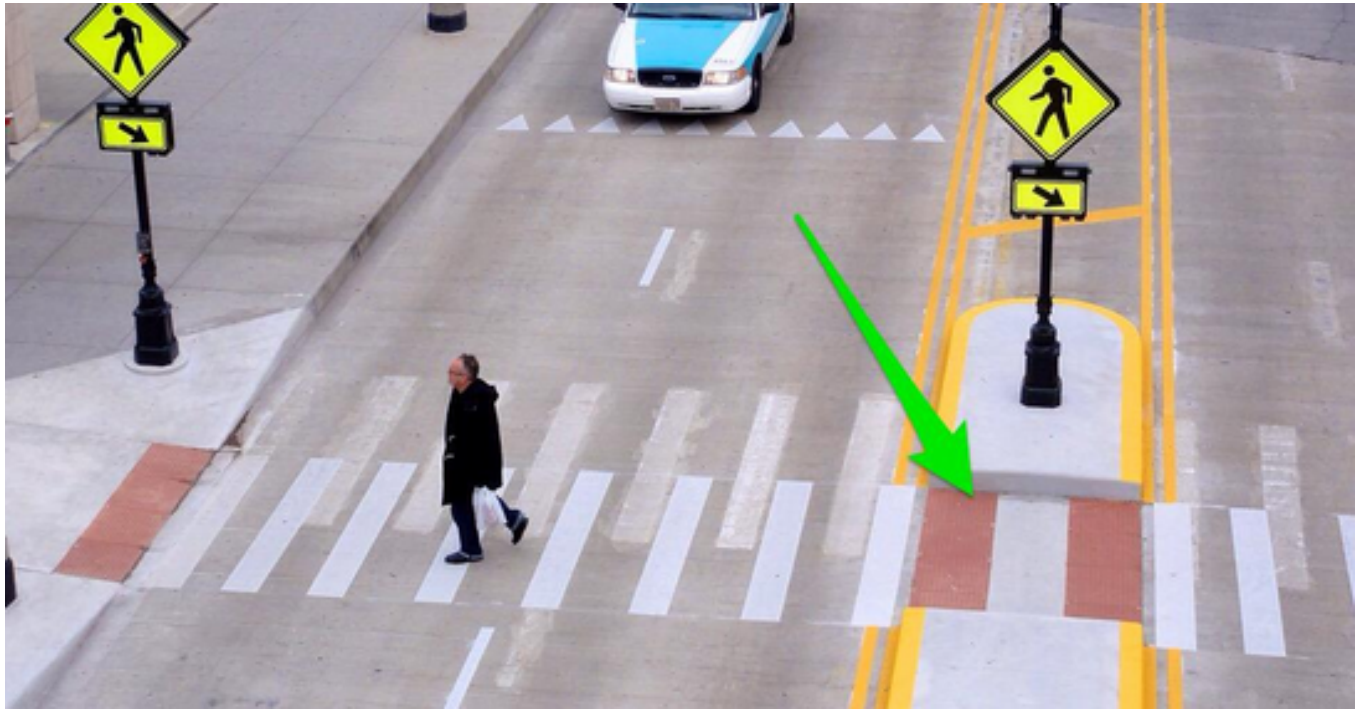
BUFFERED CYCLETRACK BC




13


ART Hair Salon






planeo n° 21

Suburban

City's Annual Cost, per Household



$3462

(Total)



Parks & Recreation
$139



Solid Waste
$185



Fire Department
$406



Governance
$297



Police
$360



Transportation
$171



Libraries
$72



School Bussing
$87



Culture / Economy
$36



Roads
$280



Transfers to Provinces eg. School Boards
$435



Sidewalks & Curbs
$194



Storm & Waste Water
$613



Water
$197

SP | Sustainable Prosperity

For more data and more reports, visit thecostofsprawl.com

Data based on Halifax Regional Municipality

Urban

City's Annual Cost, per Household



$1416

(Total)



Parks & Recreation
$69



Solid Waste
$185



Fire Department
$177



Governance
$158



Police
$192



Transportation
$91



Libraries
$38



School Bussing
$13



Culture / Economy
$19



Roads
$36



Transfers to Provinces eg. School Boards
$232



Sidewalks & Curbs
$27



Storm & Waste Water
$147



Water
$42

SP | Sustainable Prosperity

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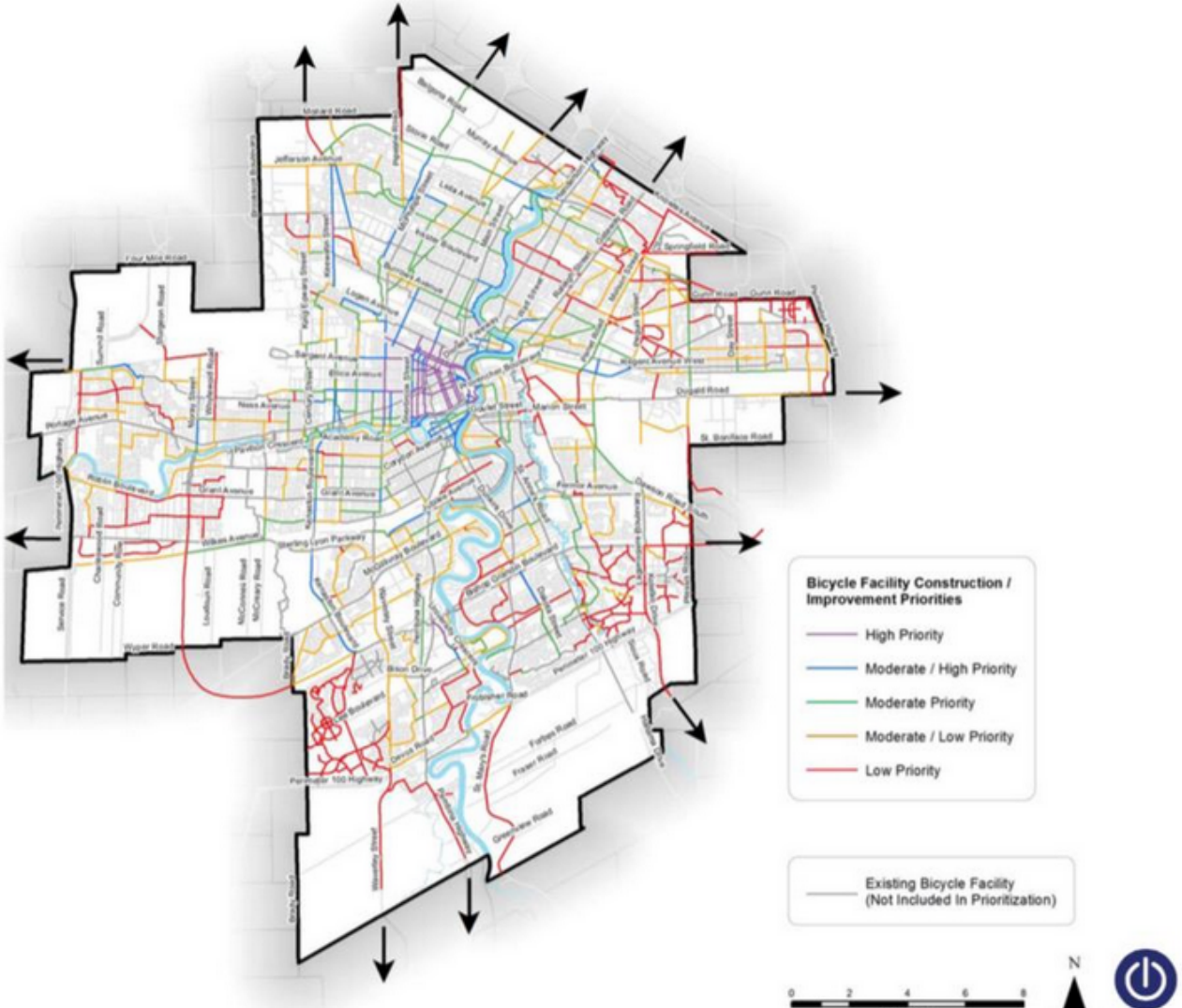
Data based on Halifax Regional Municipality

BIKING


Bicycle Facility Construction / Improvement Priorities
High Priority
Moderate / High Priority
Moderate Priority
Moderate / Low Priority
Low Priority
Existing Bicycle Facility (Not Included In Prioritization)
N
0
2
4
6
8


RAISED CROSSING TENNESSEE


PEDESTRIAN REFUGE ISLAND N.CAROLINA


RAISED CROSSING BC


MIDBLOCK CURB EXTENSION BC


HIGH VISIBILITY CROSSWALK MARYLAND


ROAD NARROWING BOSTON


CURB BUMPOUTS VIRGINA


INNOVATIVE PAVEMENT MARKING NEW YORK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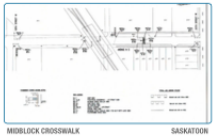
CHICANES


COTE-ST-LUC, QUEBEC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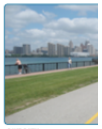

BIKE PATH


CK


BUFFERED CYCLETRACK WASHINGTON, DC


BUFFERED CYCLETRACK BC


CYCLETRACK DENMARK


CYCLETRACK DENMARK


CYCLETRACK


OTTAWA


BIKE PATH CROSSING APPROACH DENMARK


BIKE BRIDGE FINLAND


COMPLETE STREET


CYCLE TRACK NEW YORK


DETECTABLE PAVERS


RE FRANCE


DETECTABLE PAVERS


CYCLETRACK MONTREAL



TRAFFIC CALMING ZONE TORONTO



REDUCED RESIDENTIAL SPEED LIMITS EDMONTON



TRAFFIC-CALMED NEIGHBOURHOOD ZONES WINNIPEG


WALKING SCHOOL BUS


BIKE LANE TORINO


STREET CLOSURE WINNIPEG


BIKE LANE RIGHT TURN BERLIN


TRAFFIC CALMING CIRCLE TACOMA


VANCOUVER, CANADA
Granville St
PAUL KRUEGER


PORTLAND, USA
JOHNATHAN MAUS


INDIANAPOLIS, USA


CALGARY, CANADA
CITY OF CALGARY


MAIN STREET HOBOKEN, USA
CITY OF HOBOKEN
BUS STOP
BUS STOP
LOADING ZONE



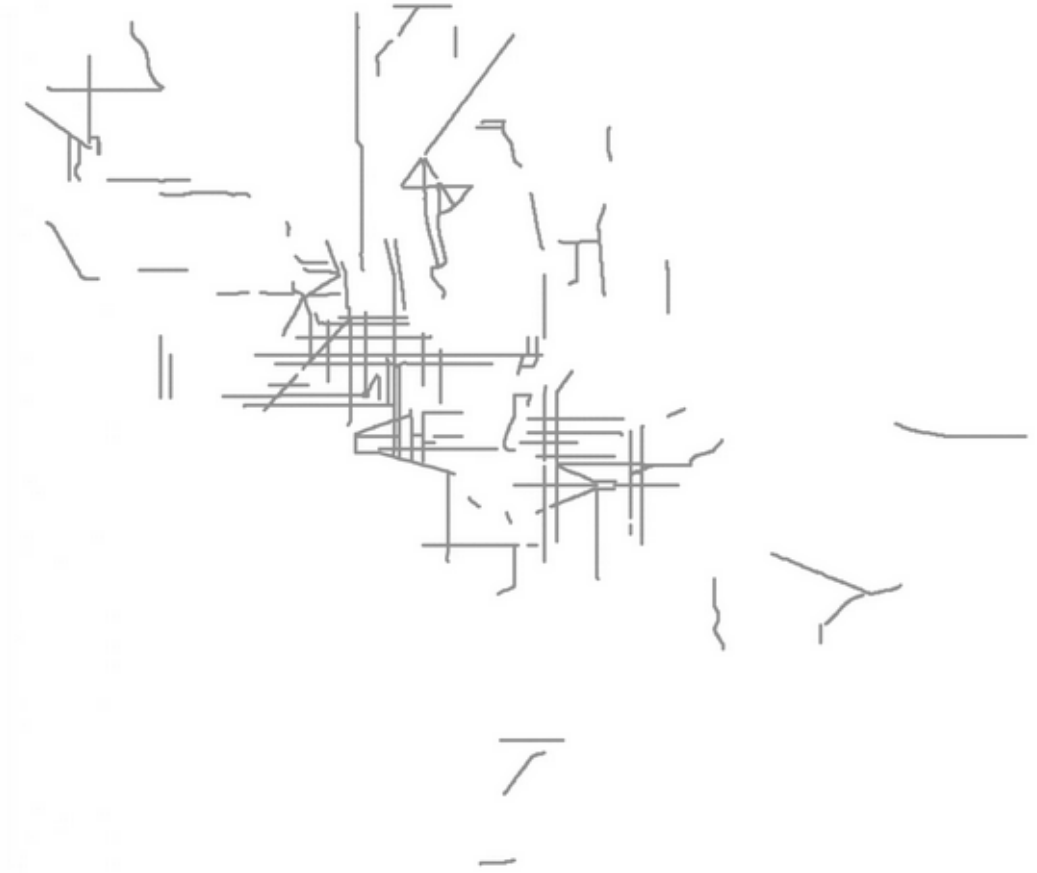

Insert loved one
HERE


NO PARKING


Move parking here
K&D
FOOD STORE

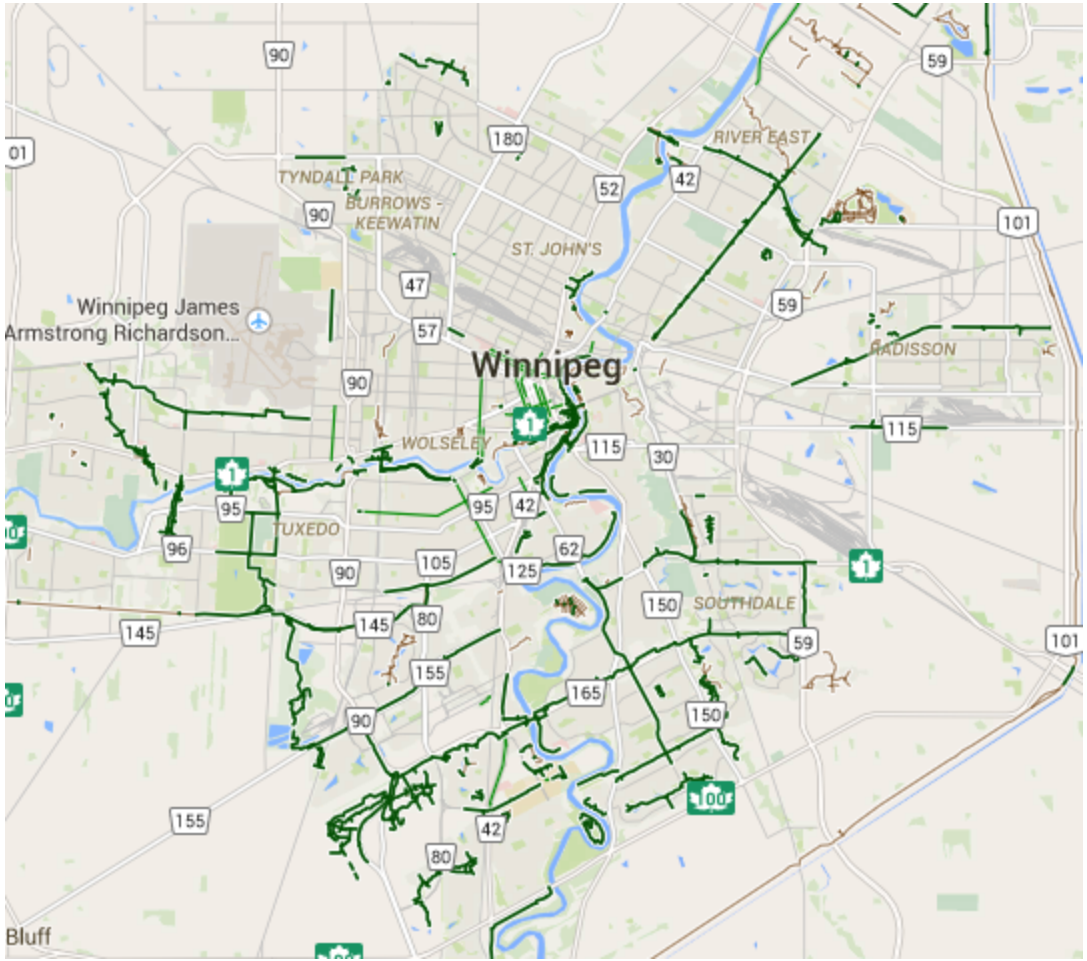

Granville St

D.C.



WASHINGTONPOST.COM/**WONKBLOG**

Source: D.C. government


Winnipeg
Winnipeg James Armstrong Richardson...
TYNDALL PARK
BURROWS - KEEWATIN
ST. JOHN'S
RIVER EAST
RADISSON
WOLSELEY
TUXEDO
SOUTHDALE
Bluff
90
180
52
42
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101
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57
115
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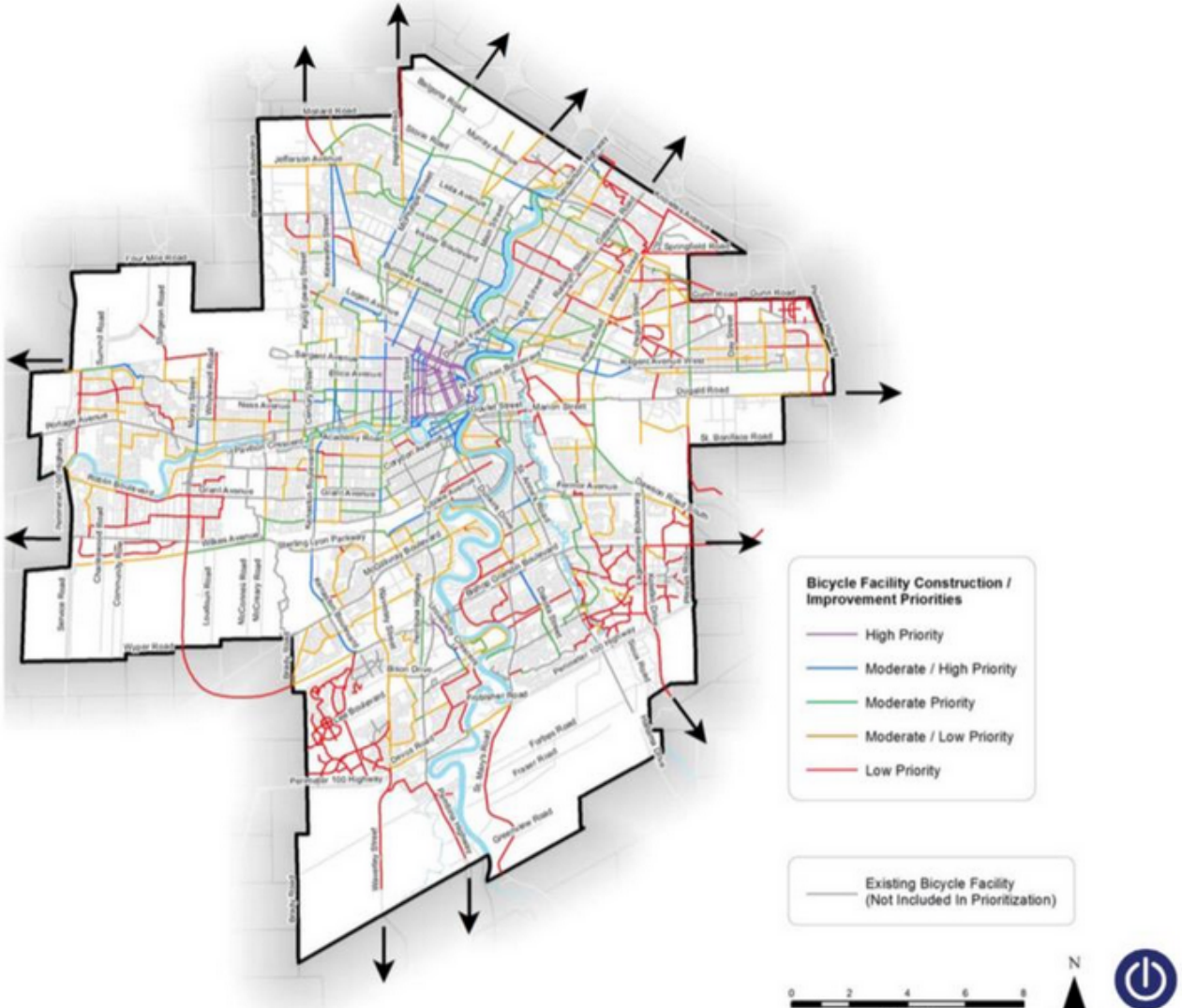
96
105
125
62
150
145
80
155
165
100


Bicycle Facility Construction / Improvement Priorities
High Priority
Moderate / High Priority
Moderate Priority
Moderate / Low Priority
Low Priority
Existing Bicycle Facility (Not Included In Prioritization)
N
0
2
4
6
8

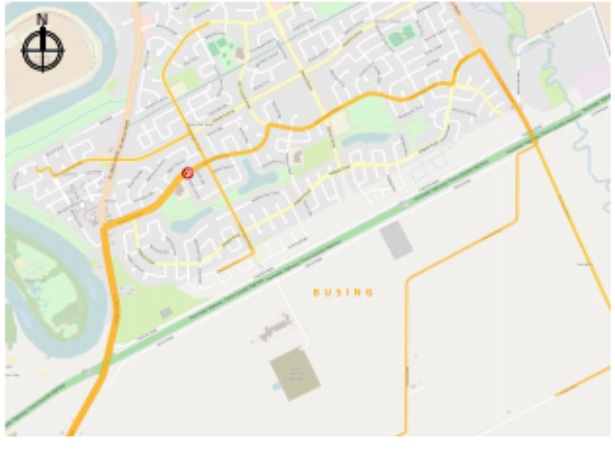
Every trip starts at home and ends wherever you want to go.

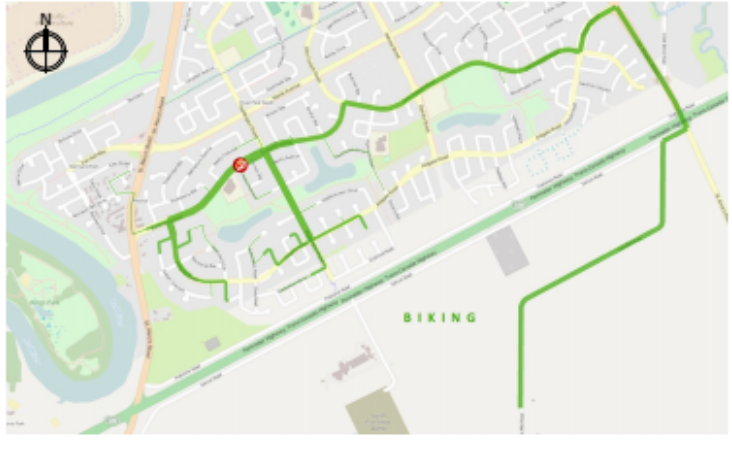
1. Include improvements for walking and cycling in ALL projects, no matter how big or how small.

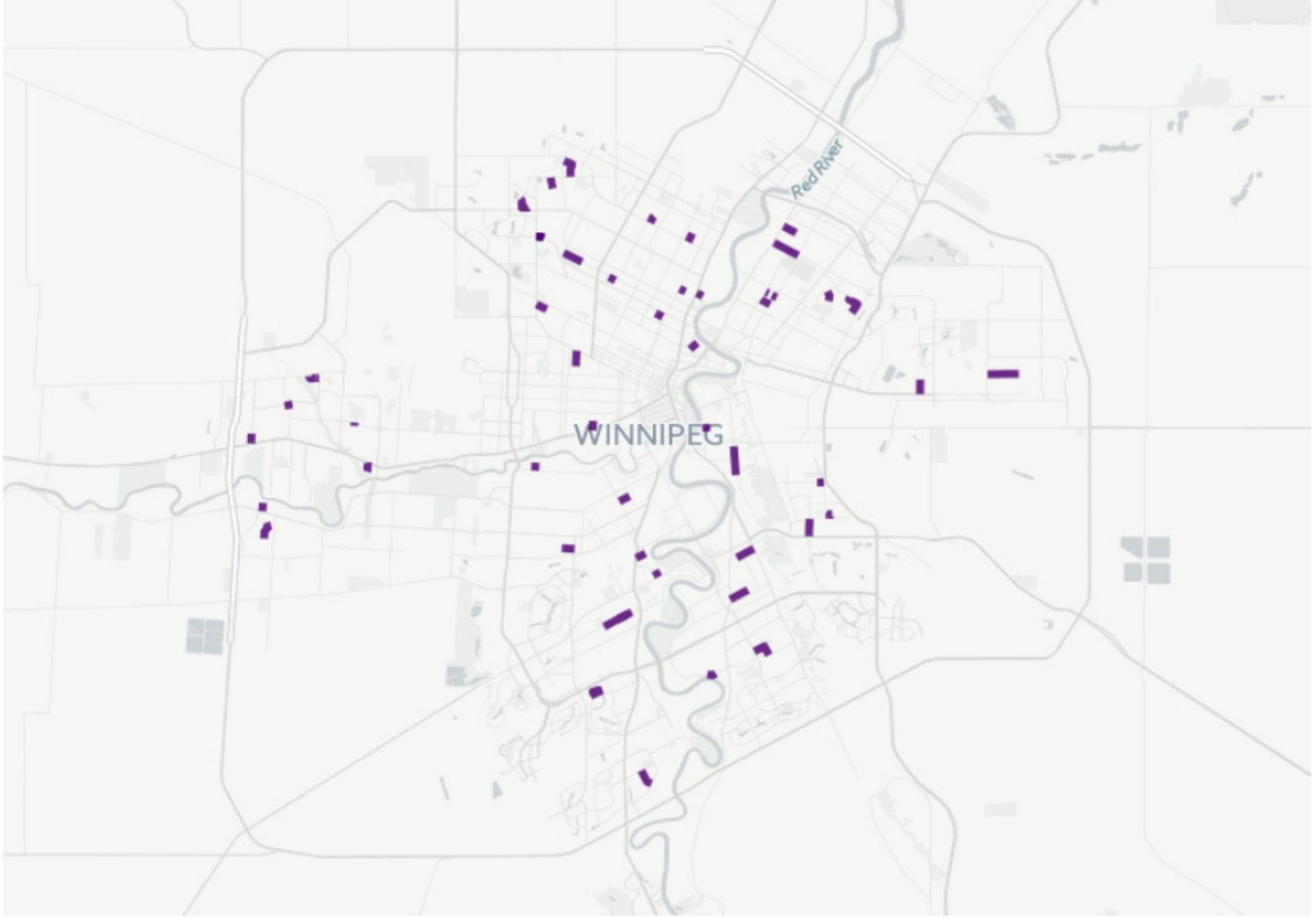
SAMUEL BURLAND SCHOOL TRANSPORTATION MODE DISTRIBUTIONS











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

St.James Brooklands cont.

Prairie View Rd

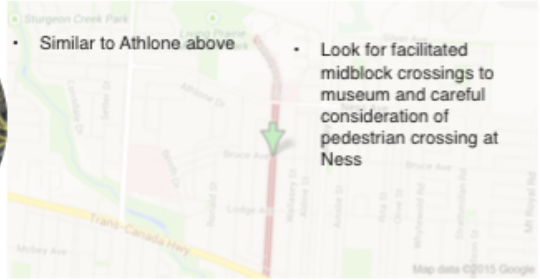


Site notes
Athlone to Ness

- 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



Old Kildonan

Airlies St

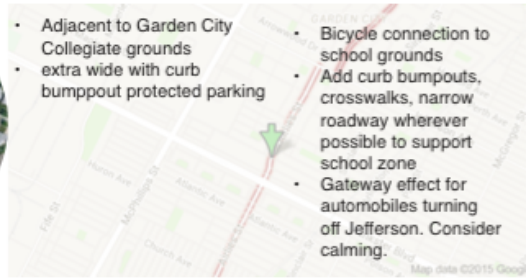


Site notes
Merriwood to Jefferson

- 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

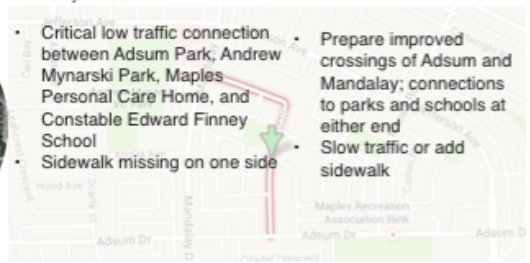


Site notes
Mandalay to Adsum

- 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



Charleswood Tuxedo

Willow Ridge Rd

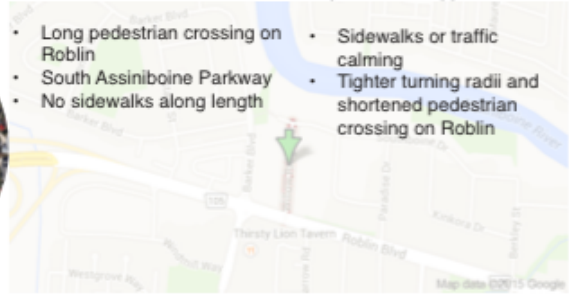


Site notes

- 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

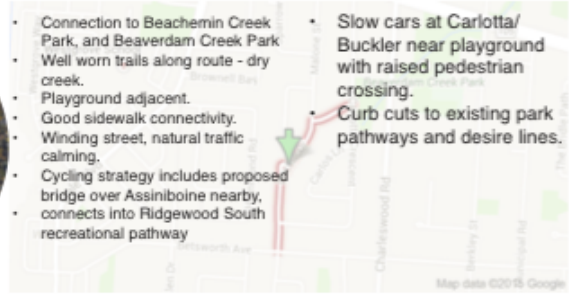


Site notes

- 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 MacIntyre

Burnell St

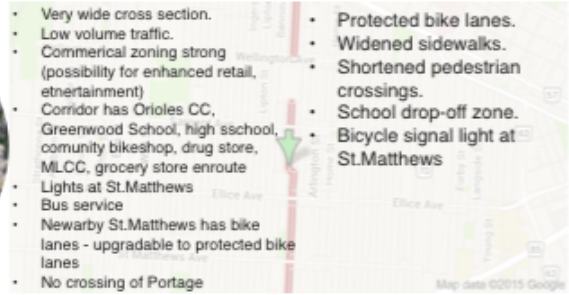


Site notes

- 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



Copenhagenize Traffic Planning Guide II

A City.



Where cars & pedesstrians can go.



Where "they" think cyclists want to go.



Where cyclists actually want to go.



CITIZENSONBICYCLESNEEDTODOALLTHESAMETHINGSASEVERYONEELSE.
GOTORESTAURANTSCAFESSUPERMARKETSSCHOOLSWORKPLACES
HOMES.AMODERNCITYMAKESTHISPOSSIBLEWITHACOMPLETENETWORK.
NOTBITSANDPIECES.THANKYOU.

COPENHAGENIZE EU


Winnipeg
EXCHANGE DISTRICT
DOWNTOWN
MTS Centre
42
42
52
57


Winnipeg
EXCHANGE DISTRICT
DOWNTOWN
MTS Centre
42
57
52


Winnipeg
EXCHANGE DISTRICT
DOWNTOWN
MTS Centre
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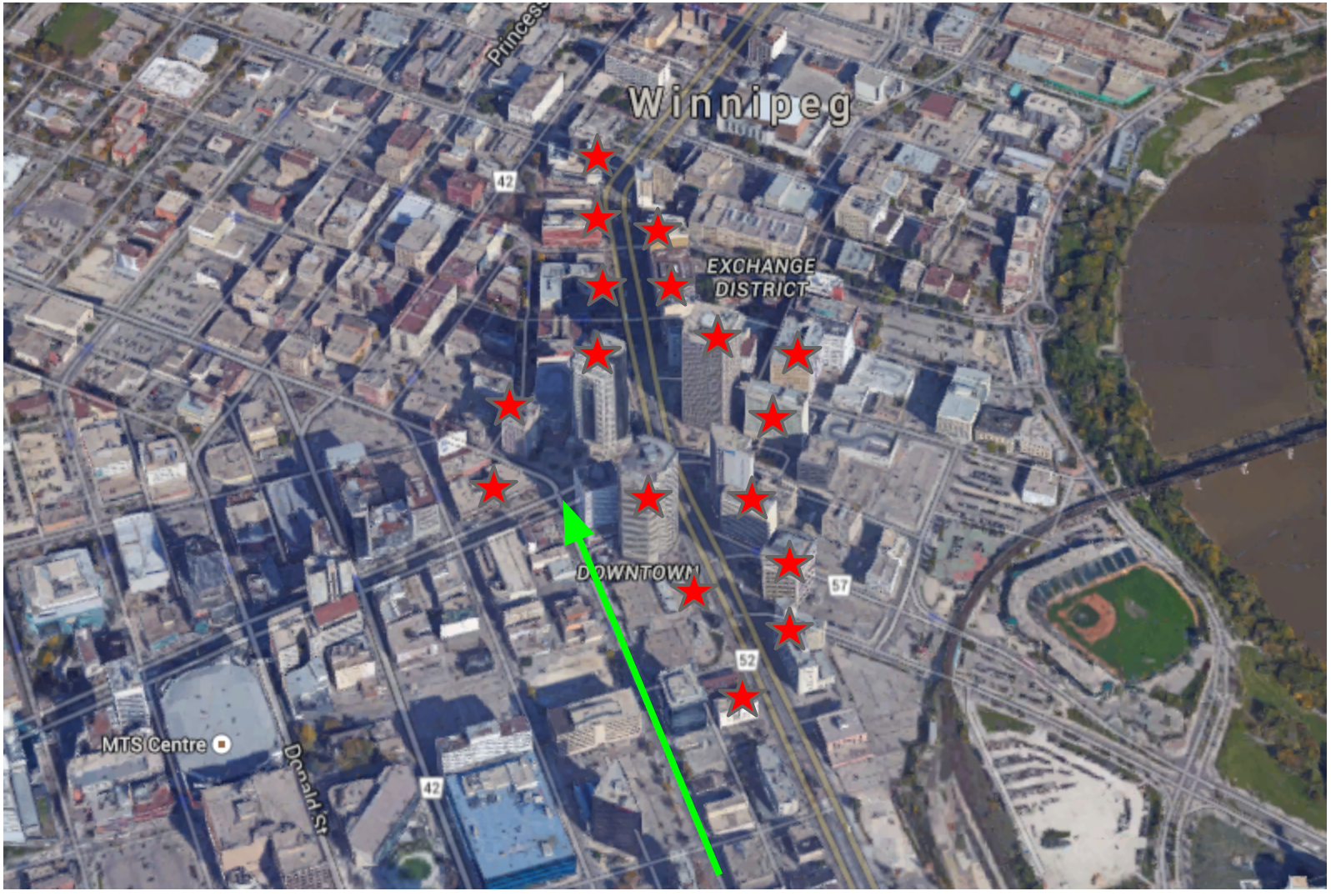
Winnipeg
EXCHANGE
DISTRICT
DOWNTOWN
MTS Centre
42
42
57
52

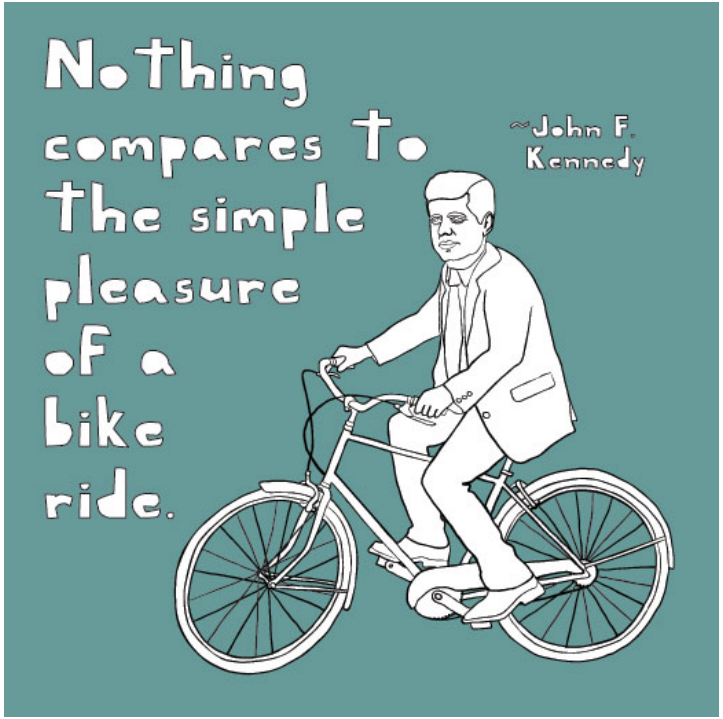

Winnipeg
EXCHANGE
DISTRICT
MTS Centre
42
57
52


NOVOSIBIRSK, SIBERIA
PEKKA TAKHOLA


WINNIPEG, CANADA
DAVID LIPNOWSKI



Engineers got us to the moon, but they didn't decide that we wanted to go there in the first place.



2. Direct administration to plan for modal shift, set goals and do traffic modeling differently. Why? The act of building a road creates demand for whatever it is designed for. This self-fulfilling prophecy is called “induced demand” and it works for all modes.



TRANSPORTATION 101

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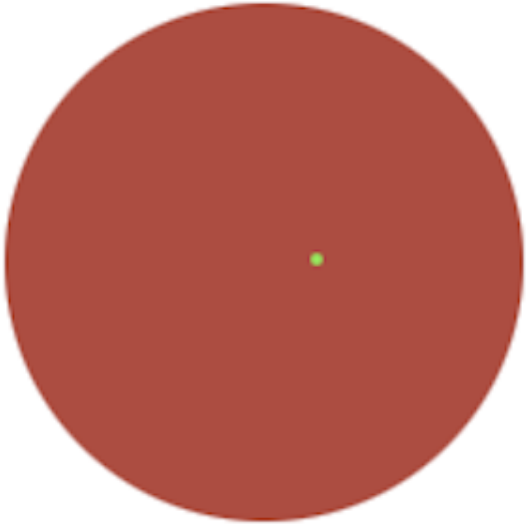
Eventually, the green dot fills back in and you have to start over.
Eventually, you run out of room.






Granville St


RAISED CROSSING TENNESSEE


PEDESTRIAN REFUGE ISLAND N.CAROLINA


RAISED CROSSING BC


MIDBLOCK CURB EXTENSION BC


HIGH VISIBILITY CROSSWALK MARYLAND


ROAD NARROWING BOSTON


CURB BUMPOUTS VIRGINA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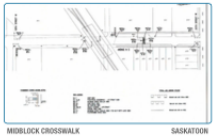
MIDBLOCK CROSSWALK SASKATOON


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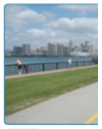
BIKE PATH


CK


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CYCLETRACK DENMARK


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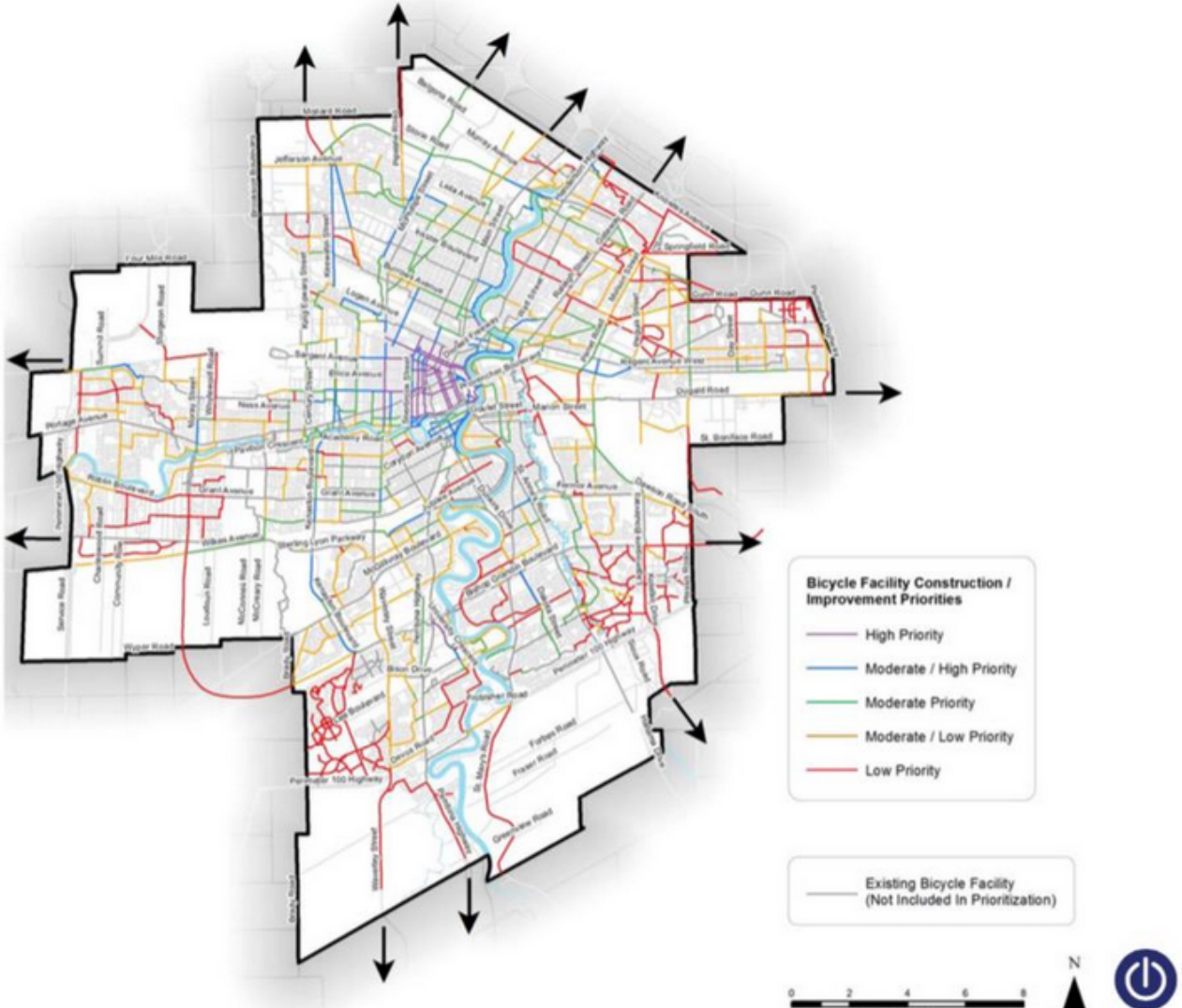
Bicycle Facility Construction / Improvement Priorities
High Priority
Moderate / High Priority
Moderate Priority
Moderate / Low Priority
Low Priority
Existing Bicycle Facility (Not Included In Prioritization)
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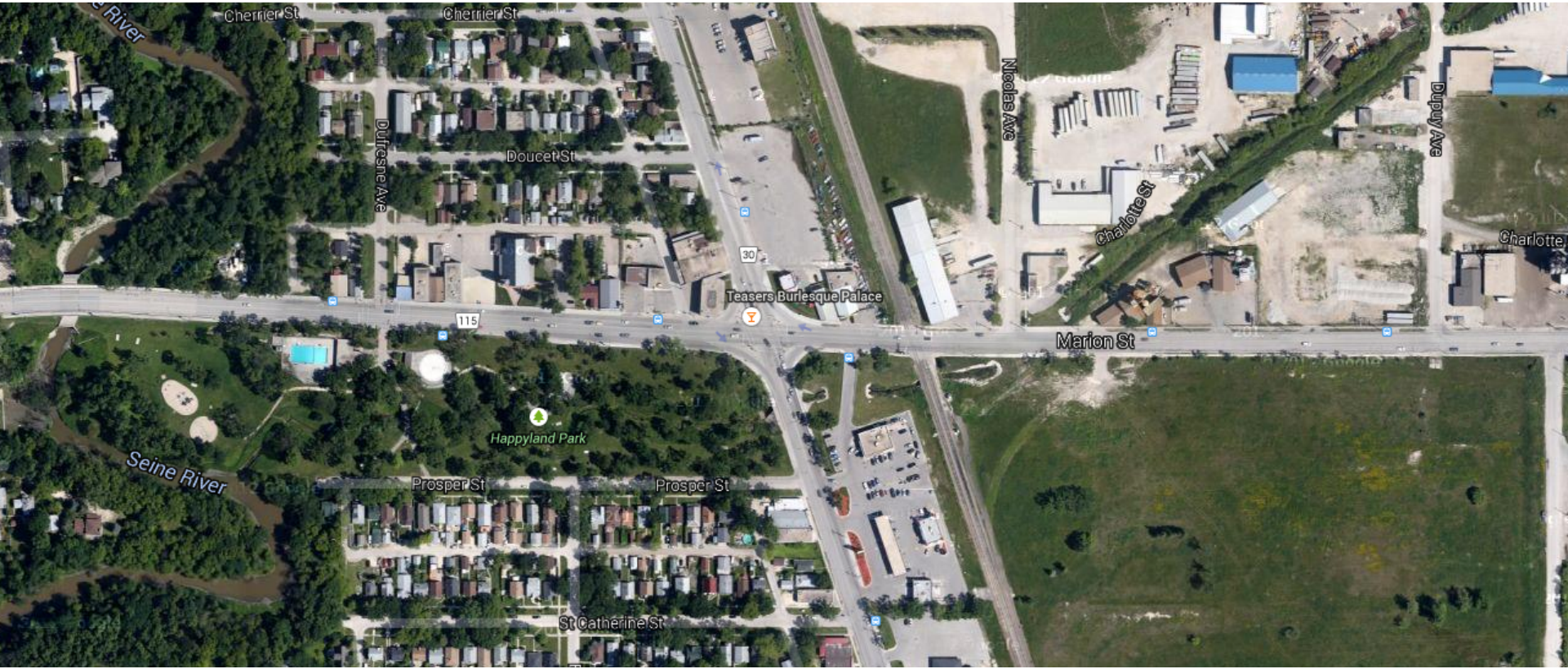
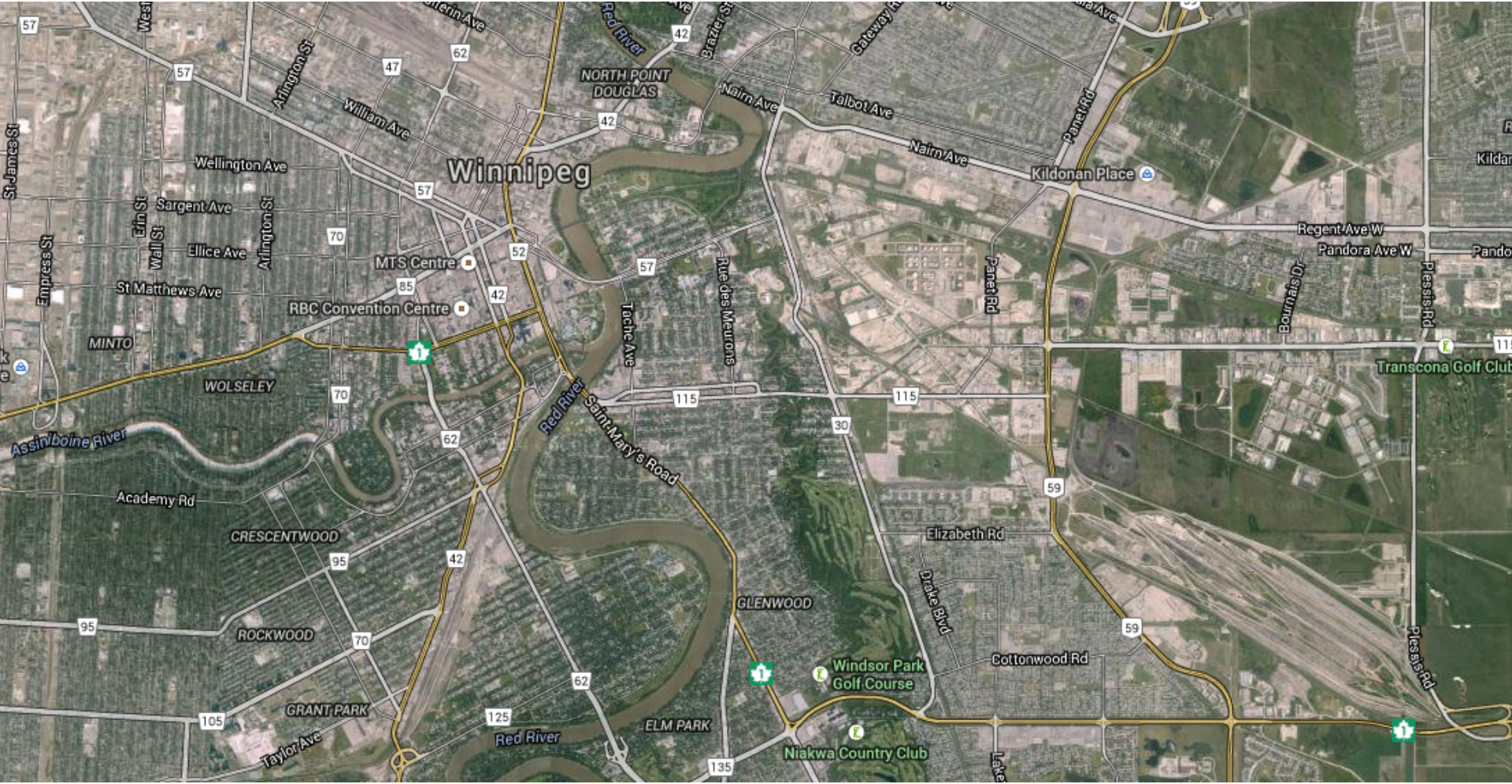
PARC
HAPPYLAND
PARK








Cherrier St
Cherrier St
Dufresne Ave
Doucet St
Nicolas Ave
Dupuy Ave
Charlotte St
Charlotte
30
Teasers Burlesque Palace
115
Marion St
Happyland Park
Seine River
Prosper St
Prosper St
St Catherine St


Winnipeg
NORTH POINT DOUGLAS
Red River
Nairn Ave
Talbot Ave
Kildonan Place
Regent Ave W
Pandora Ave W
Panet Rd
Plessis Rd
Transcona Golf Club
Wellington Ave
Sargent Ave
Ellice Ave
MTS Centre
St Matthews Ave
RBC Convention Centre
MINTO
WOLSELEY
Assiniboine River
Academy Rd
CRESCENTWOOD
ROCKWOOD
GRANT PARK
Taylor Ave
Red River
ELM PARK
Niakwa Country Club
Saint Mary's Road
Tache Ave
Rue des Meurons
Bournais Dr
Elizabeth Rd
Drake Blvd
GLENWOOD
Windsor Park Golf Course
Cottonwood Rd
Arlington St
William Ave
Empress St
Erin St
Wall St
St James St


Happyland Park
Archibald Street
Route 115 (Marion Street)
CPR Emerson






ATKINSONS
SKINCARE
& COSMETICS
MALE
grooming
FREE



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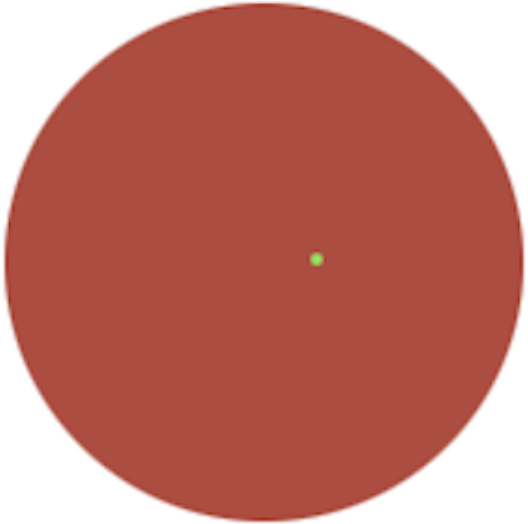
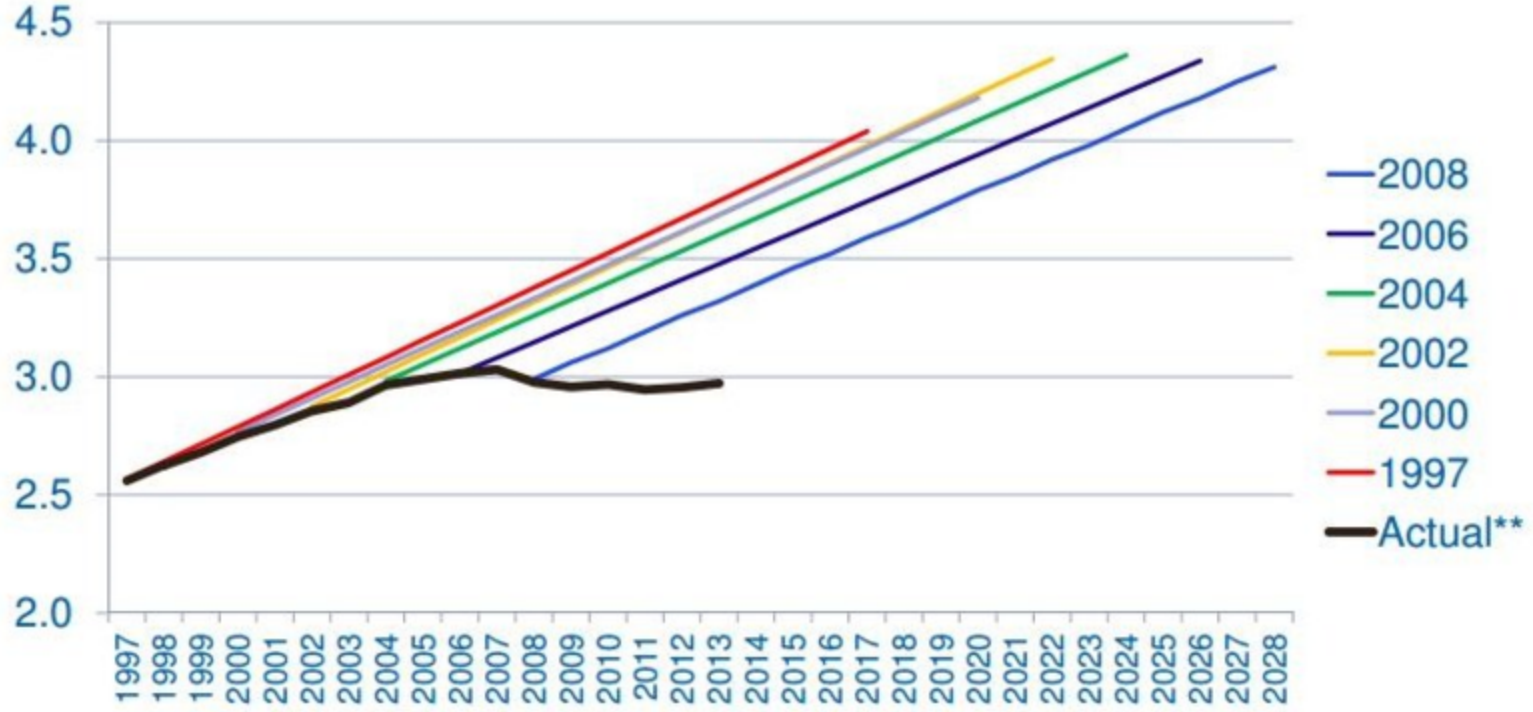
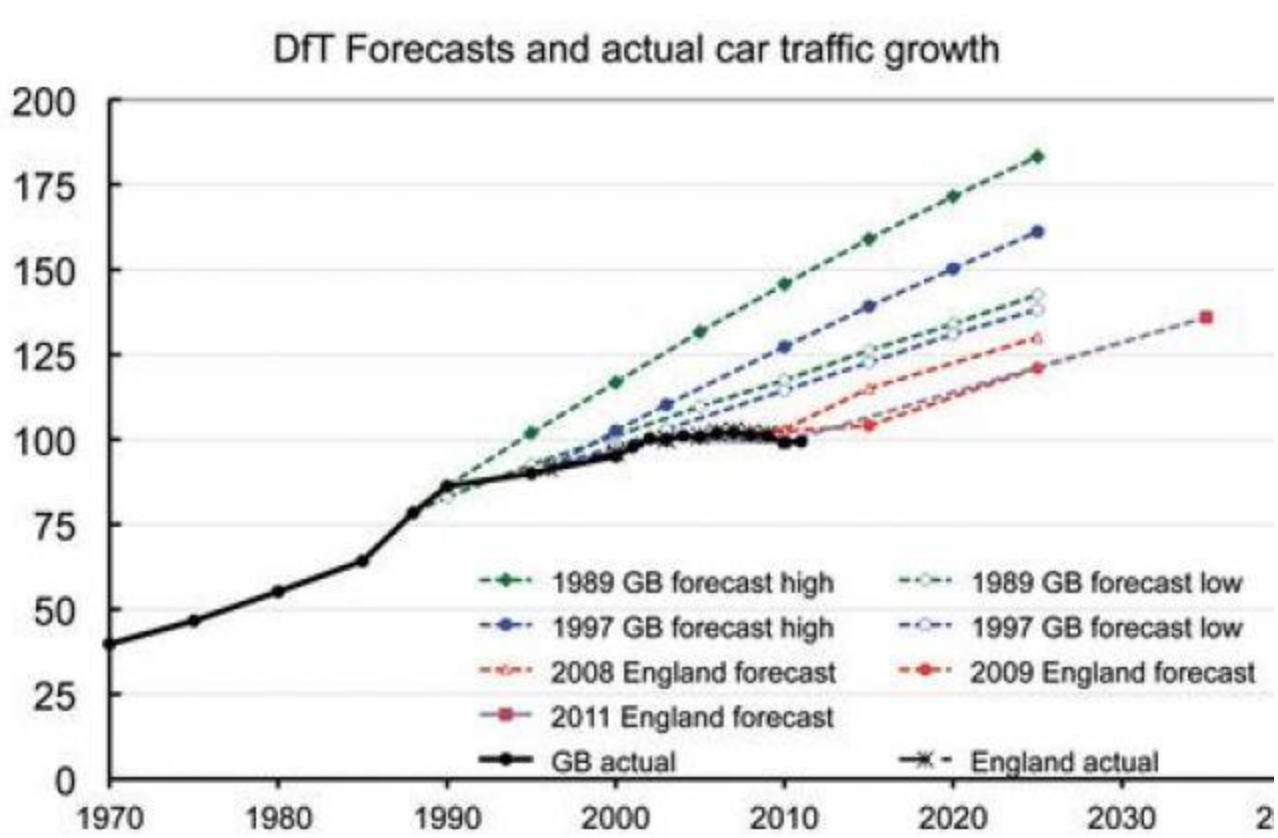


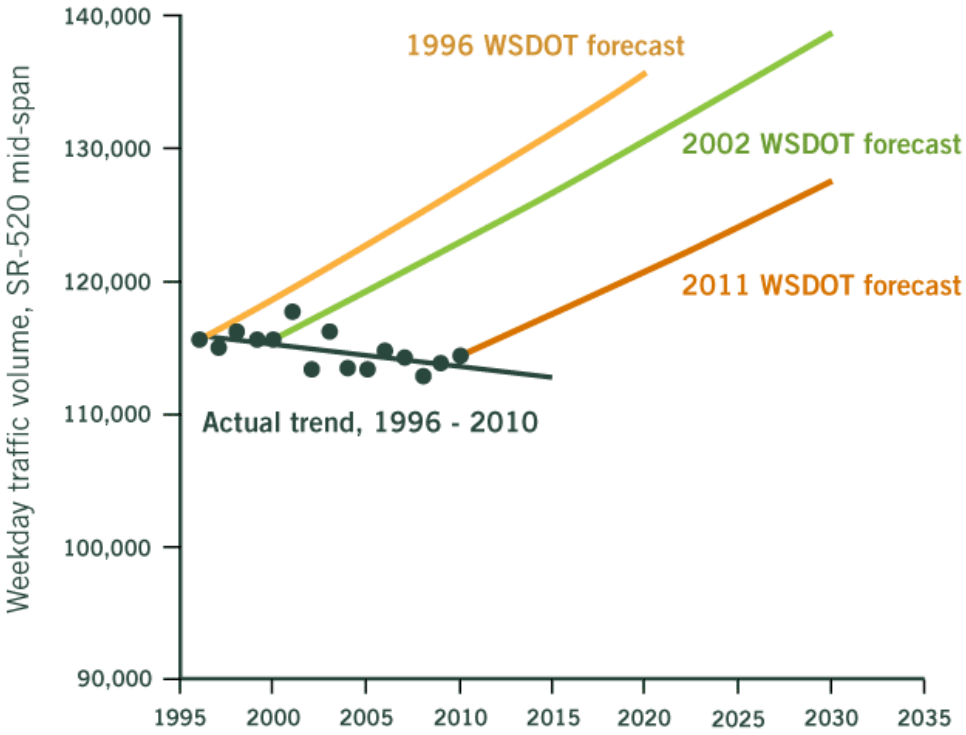
National Vehicle Miles Traveled: Actual versus Projections



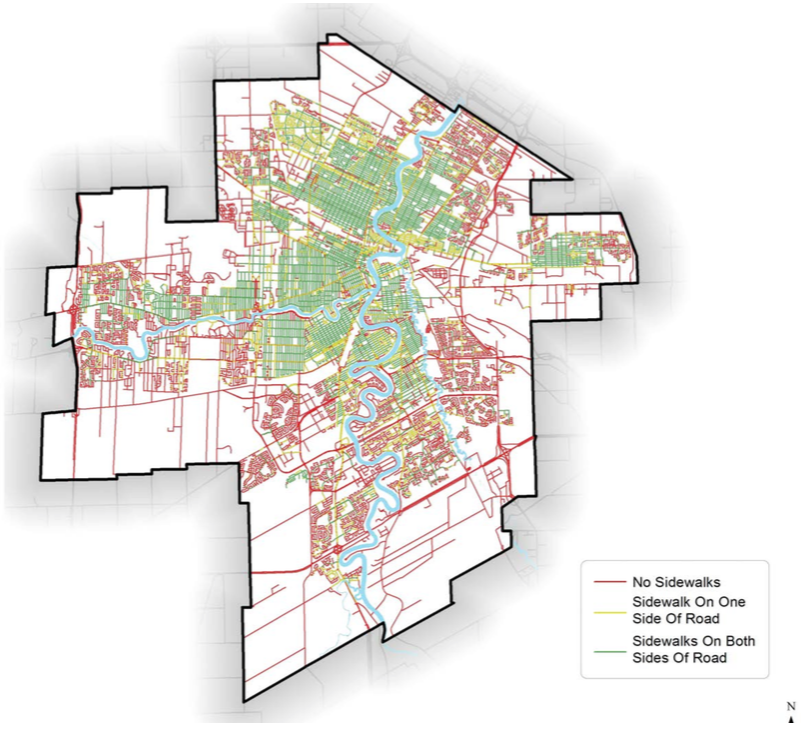

DfT Forecasts and actual car traffic growth
200
175
150
125
100
75
50
25
0
1970
1980
1990
2000
2010
2020
2030
1989 GB forecast high
1989 GB forecast low
1997 GB forecast high
1997 GB forecast low
2008 England forecast
2009 England forecast
2011 England forecast
GB actual
England actual

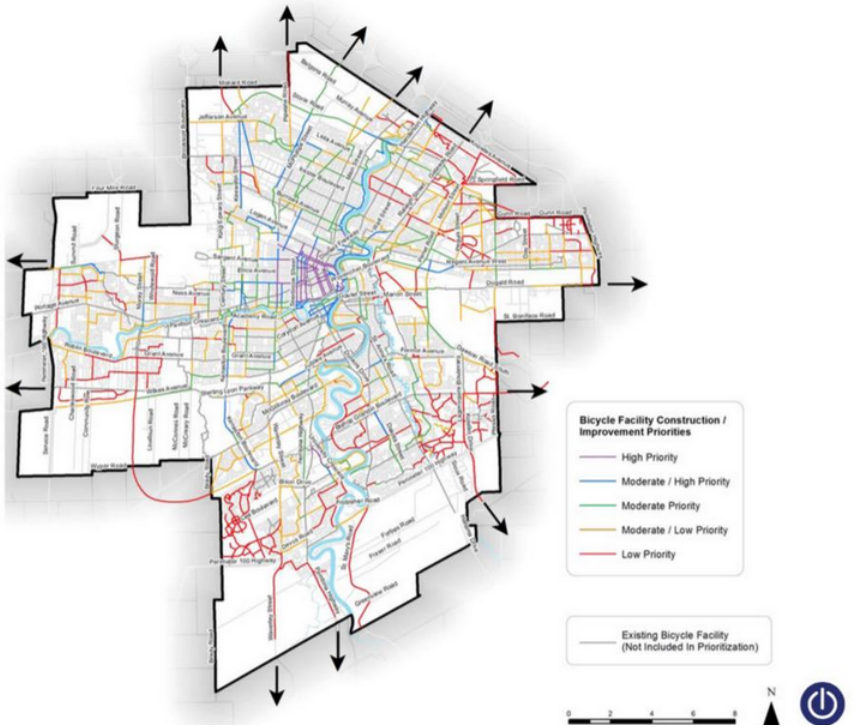
Should we trust WSDOT Traffic Projections?

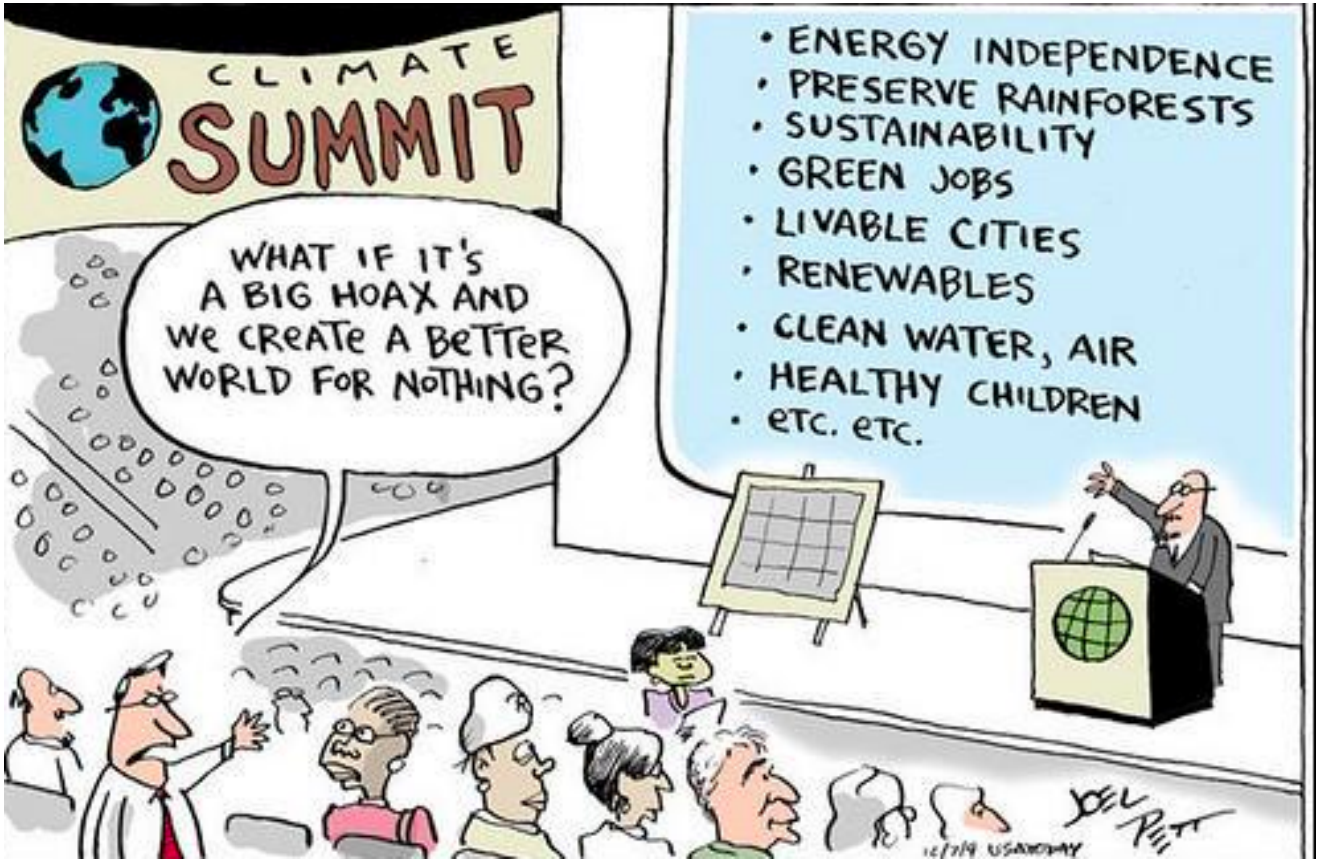
Actual weekday traffic on SR-520 vs. WSDOT forecasts.



Sightline INSTITUTE


No Sidewalks
Sidewalk On One Side Of Road
Sidewalks On Both Sides Of Road
N


Bicycle Facility Construction / Improvement Priorities
High Priority
Moderate / High Priority
Moderate Priority
Moderate / Low Priority
Low Priority
Existing Bicycle Facility (Not Included In Prioritization)
N


CLIMATE
SUMMIT
WHAT IF IT'S A BIG HOAX AND WE CREATE A BETTER WORLD FOR NOTHING?
• ENERGY INDEPENDENCE
• PRESERVE RAINFORESTS
• SUSTAINABILITY
• GREEN JOBS
• LIVABLE CITIES
• RENEWABLES
• CLEAN WATER, AIR
• HEALTHY CHILDREN
• ETC. ETC.
JOEL PETT