

TRANSIT NETWORK PLAN

February 2018



WELCOME

The purpose of today's engagement is to share new information and get your feedback on:
1. BRT Route Options & Recommendations
2. BRT Runningway Options & Recommendations
3. BRT Station Platform Locations
4. BRT Station Shelter Design
5. Transit Network Reconfiguration Concept
6. Park and Ride Concept





BRT ROUTES

Recommended changes based on feedback and technical analysis:

- RED LINE ROUTE

- Terminates at:
- Betts Avenue (West)
- Boychuck Drive (East)

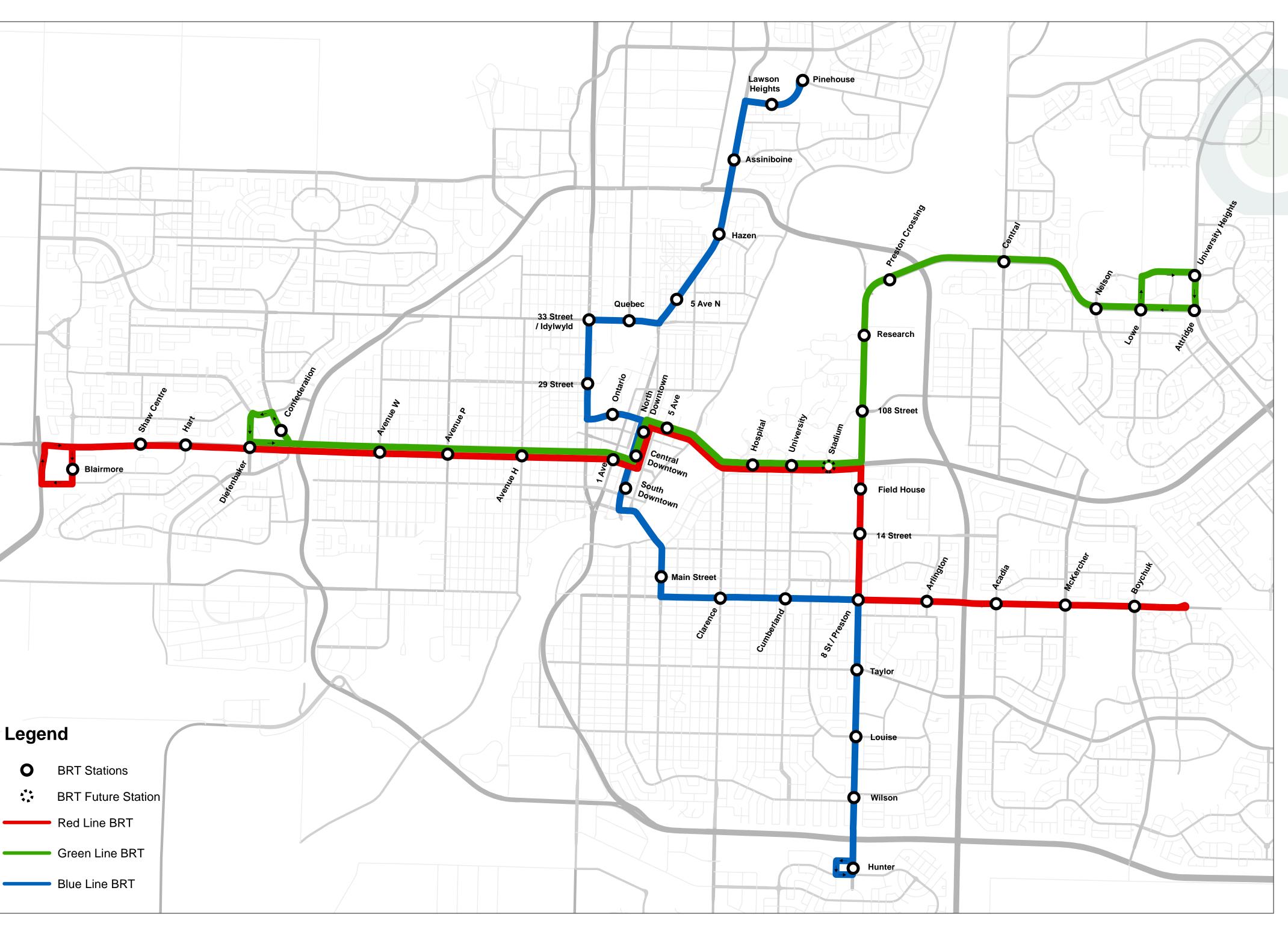
GREEN LINE ROUTE *NEW LINE

- Terminates at:
- Confederation Mall (West)
- •University Heights Square (East)

- BLUE LINE ROUTE

- Terminates at:
- Pinehouse Drive (North)
- Stonebridge Mall (South)

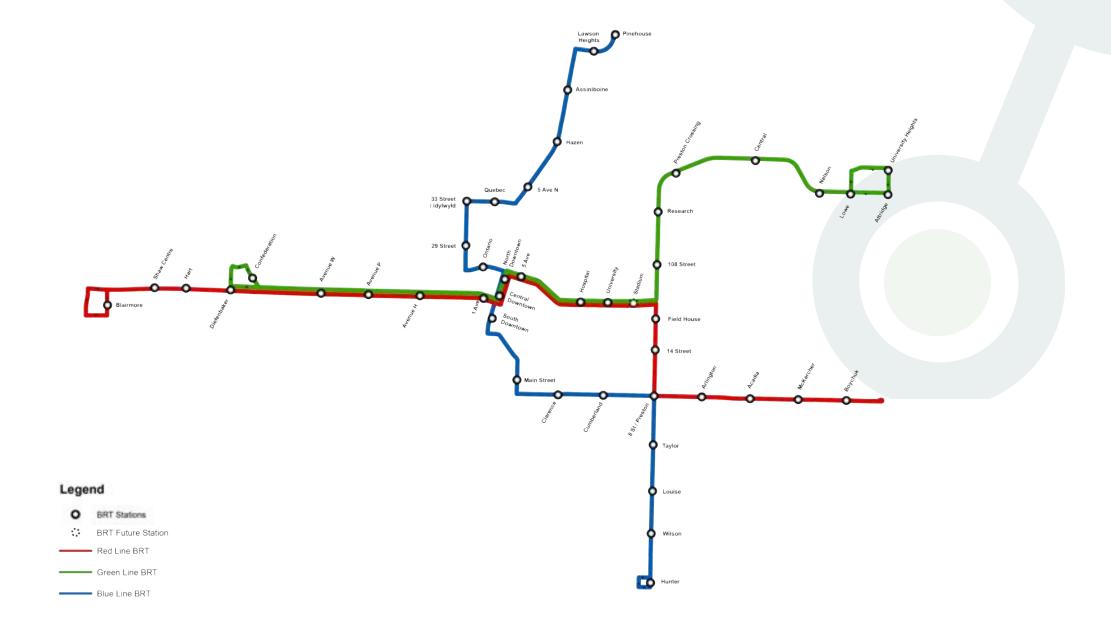






Based on our analysis, we recommend the addition of the Green Line instead of a split Red Line:

- •Green Line increases frequency along high ridership areas such as College Drive and 22nd Street W.
- •Green Line will also make the system easier to navigate for customers and operate by Saskatoon Transit.



What Do You Think?

Is this a positive change to the Transit Plan? Place a dot along the scale below:



Help us understand why or why not:





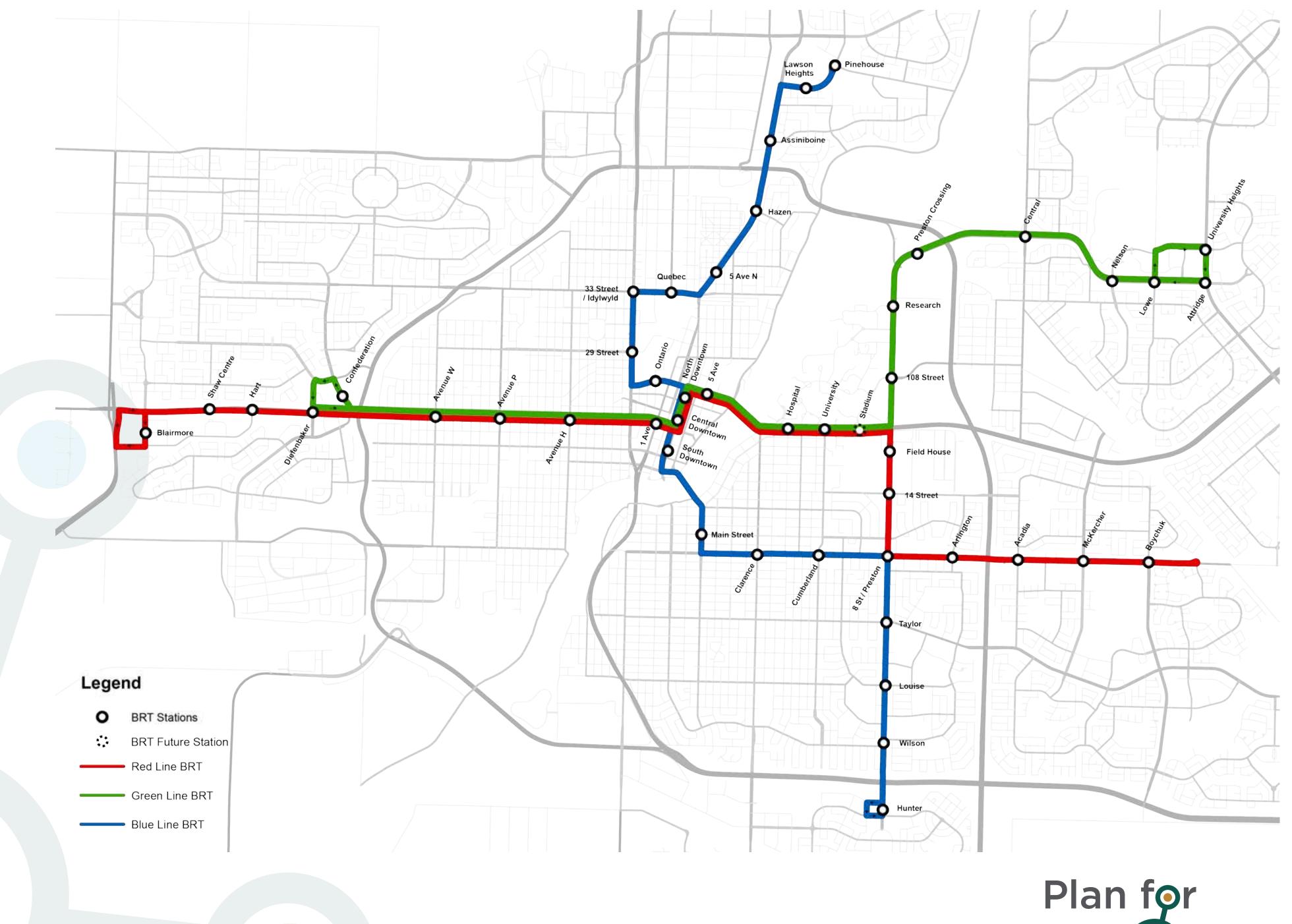
Based on our analysis, we've recommended a number of start and end points for the BRT Lines.

What Do You Think?

Do you think we have the right start and end points for each of the lines?



If not, help us identify some other options:





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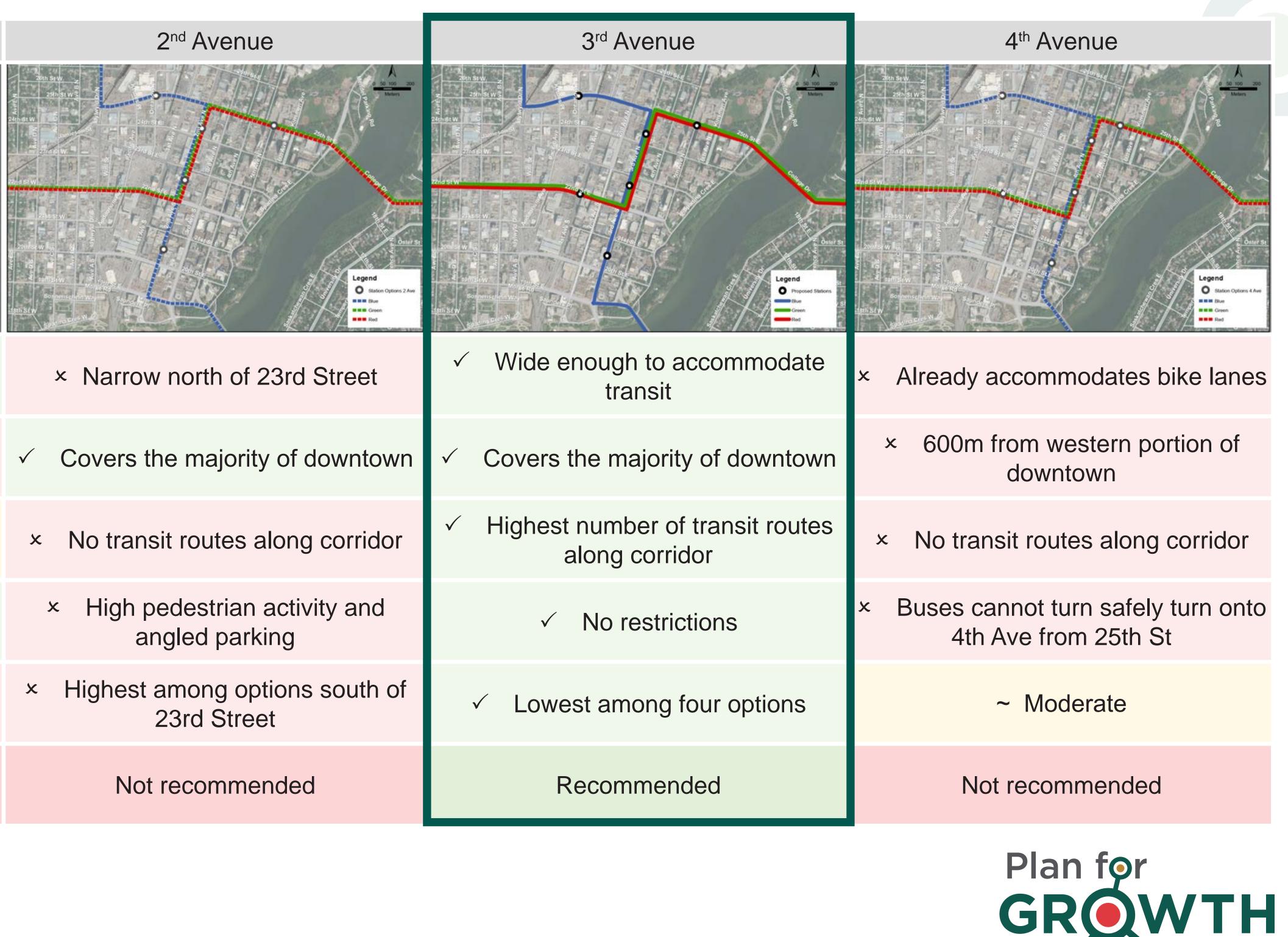
Plan for GROWTH

DOWNTOWN ROUTE OPTIONS & RECOMMENDATION

In December we were asked to confirm the suitable routing through Downtown:

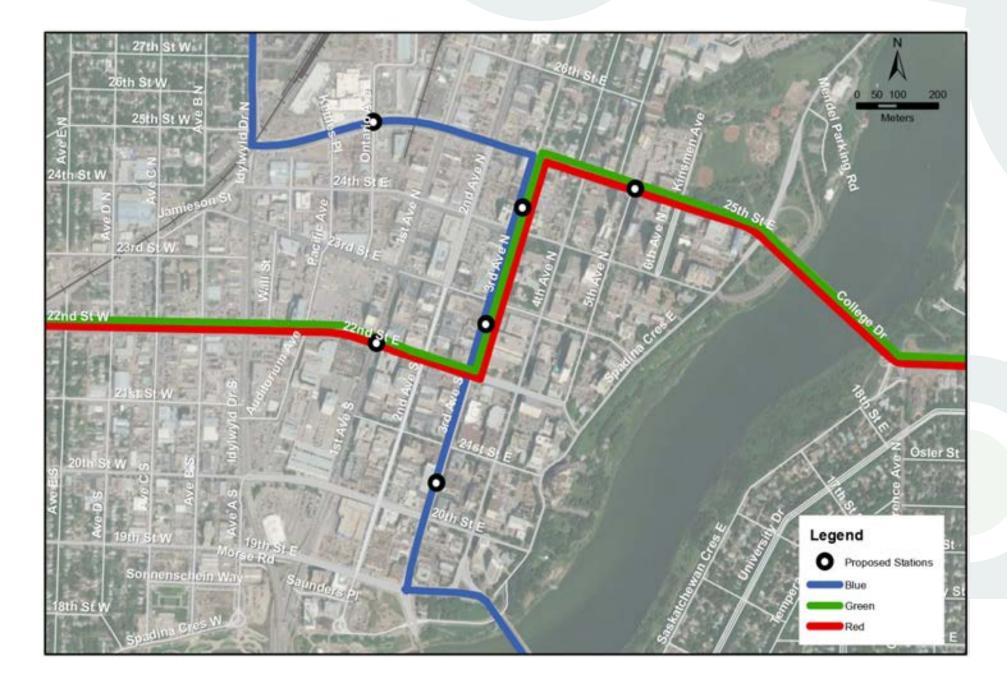
	1 st Avenue	
Map	District of the second se	
Roadway	 ✓ Wide enough to accommodate transit 	
Transit reach	 600m from eastern portion of downtown 	
Existing Transit	 Few transit routes along corridor 	
Transit Operations	No restrictions	
Traffic Volumes	× High	
Recommendation	Not recommended	







Based on our analysis, 3rd Avenue remains the recommended BRT corridor for the through Downtown.



What Do You Think?

What key issues still need to be addressed?

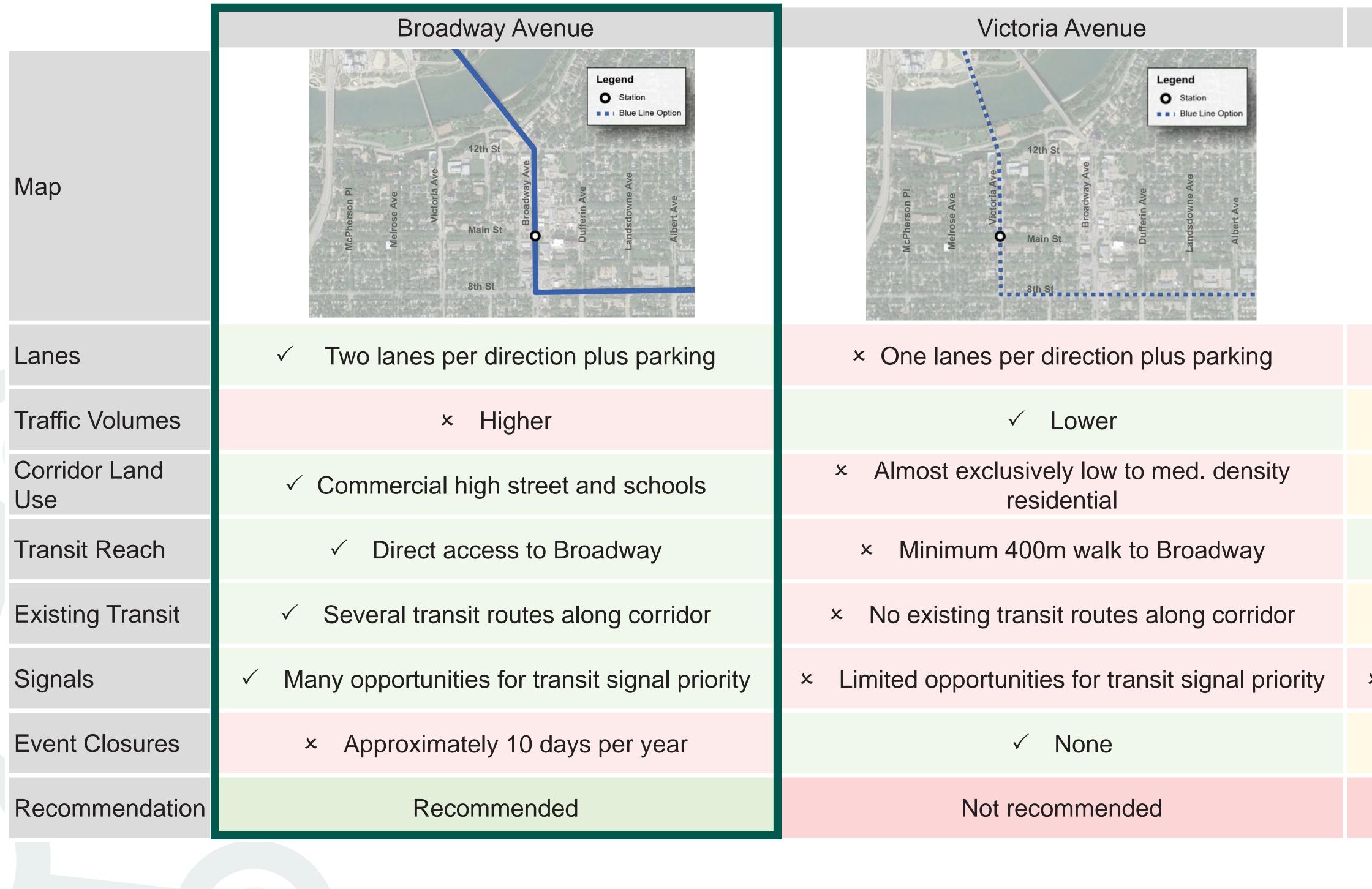






NUTANA ROUTE OPTIONS & RECOMMENDATION

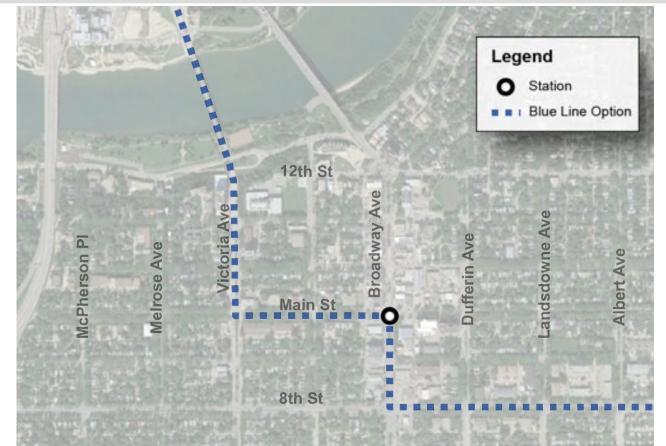
In December we were asked to confirm the suitable routing through Nutana:





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Victoria Avenue to Broadway Avenue



- One lane per direction plus parking along
 Victoria and Main Street
 - ~ Moderate
- ~ Mostly low to med. density residential

✓ Direct access to Broadway

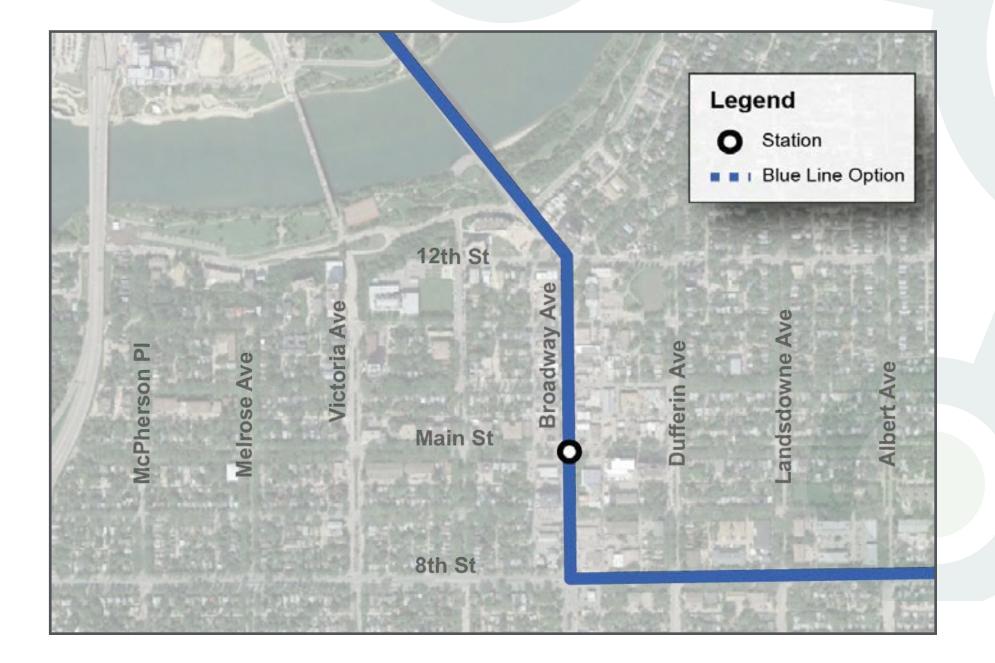
- ~ Only transit routes along Broadway section
- × Limited opportunities for transit signal priority

~ Only along Broadway

Not recommended



Based on our analysis, Broadway Avenue remains the recommended BRT corridor through Nutana.



What Do You Think?

What key issues still need to be addressed?







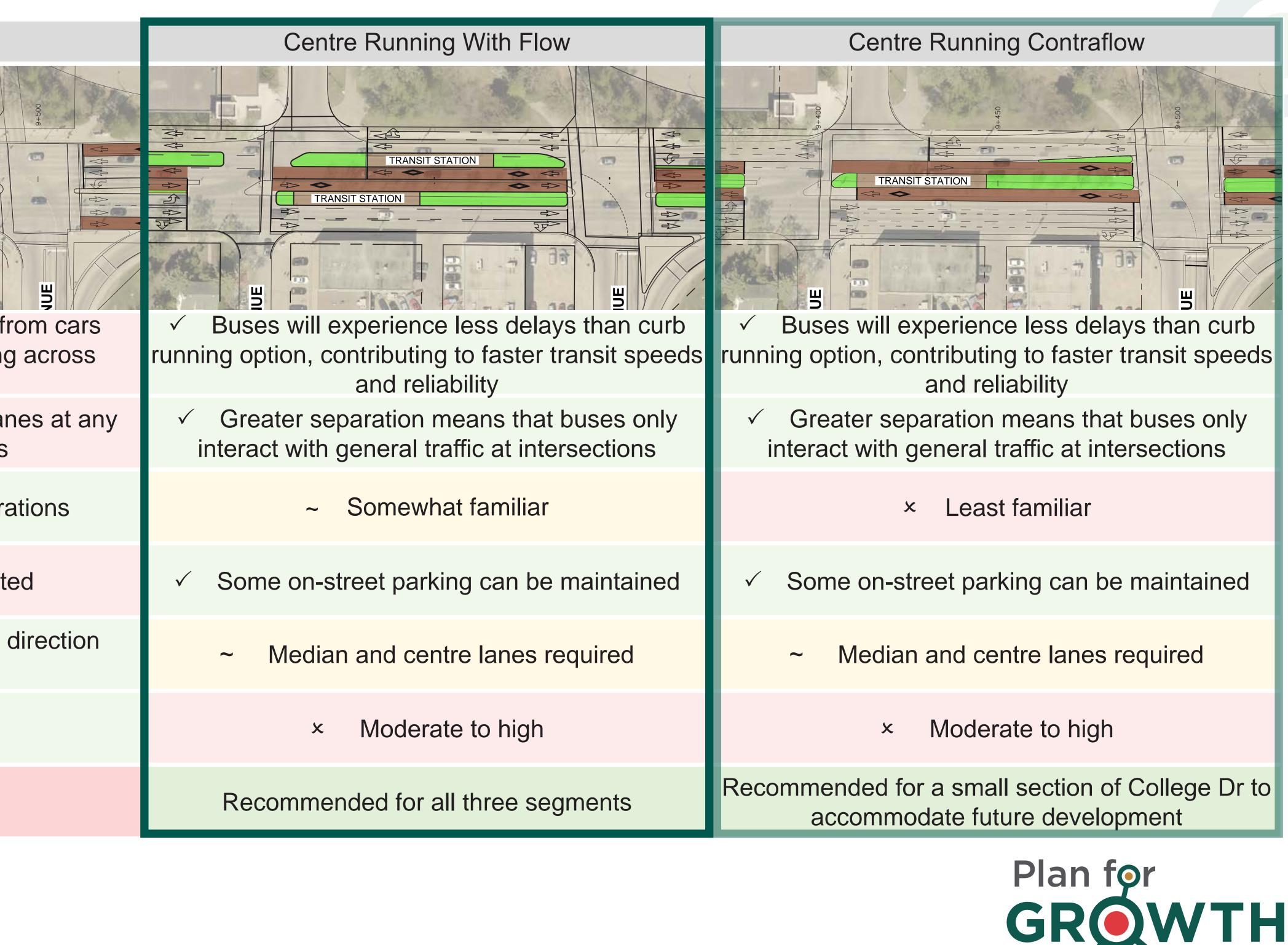
BRT EXCLUSIVE RUNNINGWAYS

Exclusive runningways provide a greater degree of traffic separation between BRT and general traffic, improving transit travel time and reliability. In December, exclusive runninways were recommended for 3rd Avenue, College Drive and Broadway Avenue. Several exclusive runningway designs were considered:

		Curb Running
	Illustration	TRANSIT STATION
	Transit Operations	 Buses may experience delays frequencies entering/exiting driveways or turning runningway
	Interaction with Traffic	 Cars may enter the transit-only lar point between intersections
	Familiarity	 Similar to existing transit operative
	Parking Impacts	 × On-street parking eliminate
	Roadway Required	 One curb lane/parking lane per or required
	Cost	✓ Lowest
	Recommendation	Not recommended
	City of	

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Based on our analysis we are recommending a centre-running with-flow exclusive runningway for 3rd Avenue, Broadway Avenue and most of College Drive.

What Do You Think?

What key issues still need to be addressed?

3rd Avenue



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Broadway Avenue

College Drive



Red / Green Line West: 22nd Street W from Betts Avenue to Avenue H

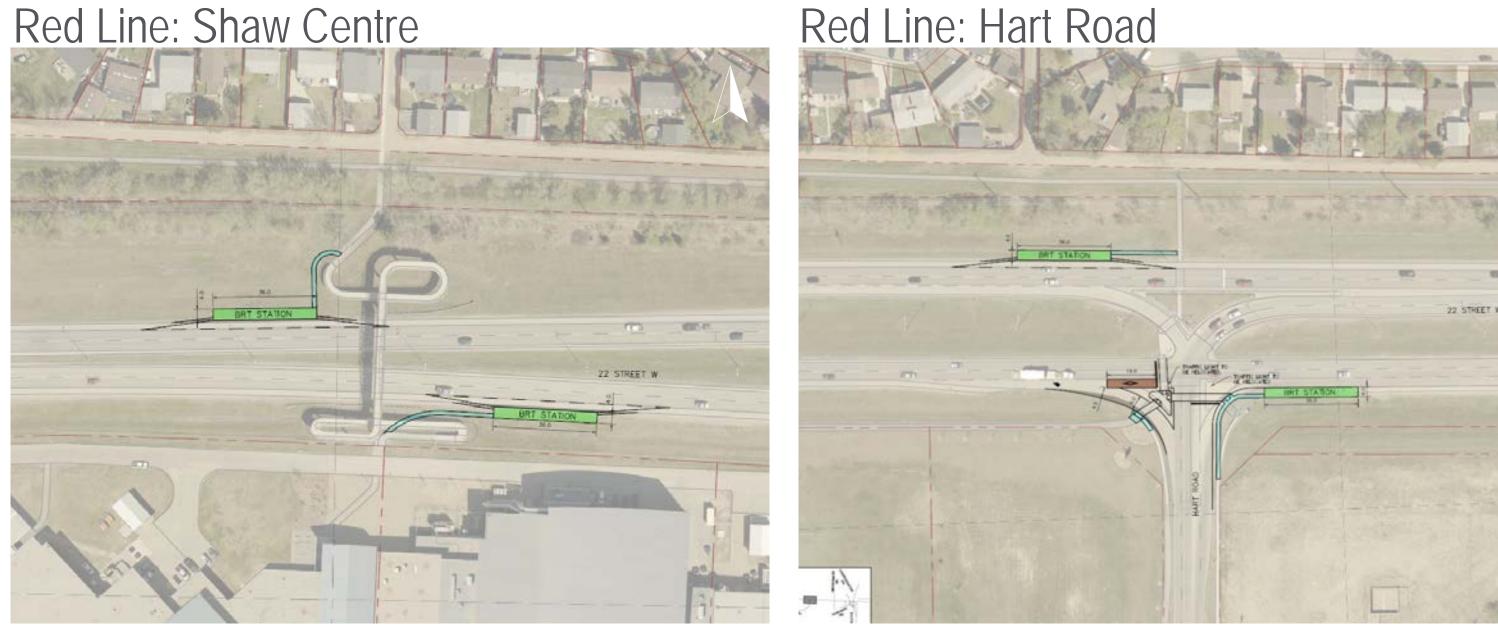
Red Line: Blairmore (Betts Avenue)

12



Green Line: Confederation Mall





Red/Green Line: Avenue W





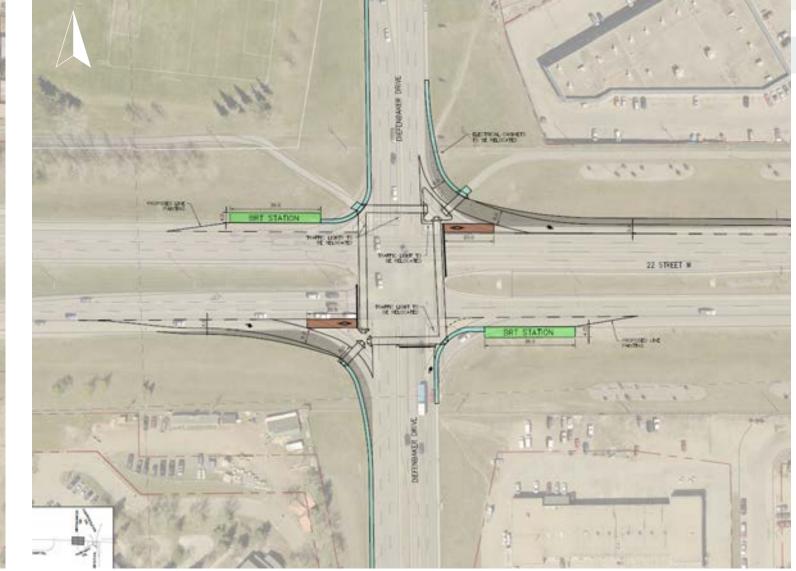
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Red Line: Hart Road

Red/Green Line: Avenue P

Red /Green Line: Diefenbaker Drive



Red/Green Line: Avenue H





Blue Line North: Pinehouse Drive to Idylwyld Drive

Blue Line: Pinehouse Drive

13





Blue Line: 5th Ave N







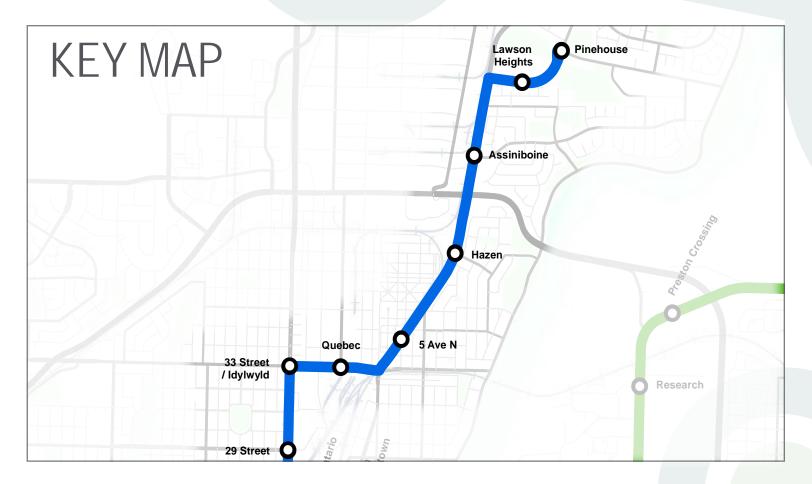
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Blue Line: Lawson Heights Mall

Blue Line: Quebec Avenue

Blue Line: Assiniboine Drive

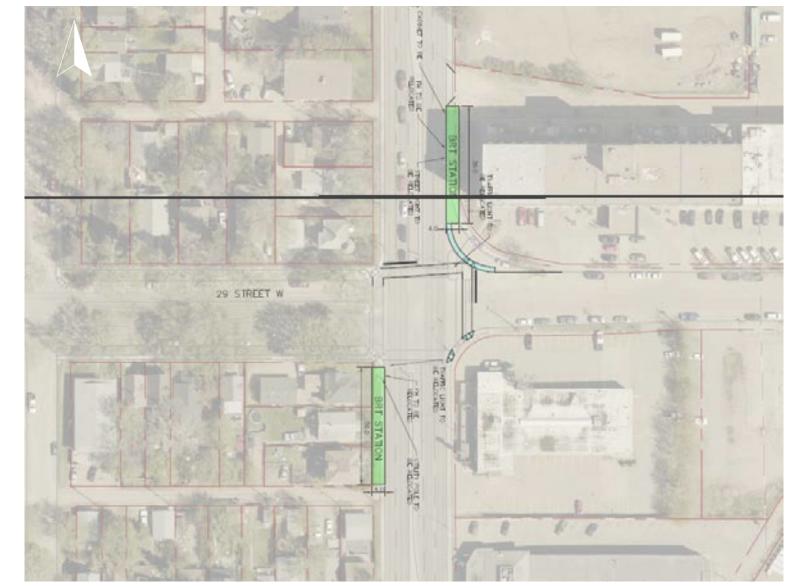
Blue Line: 33rd Street & Idylwyld Drive



Blue Line: Hazen Street



Blue Line: 29th Street

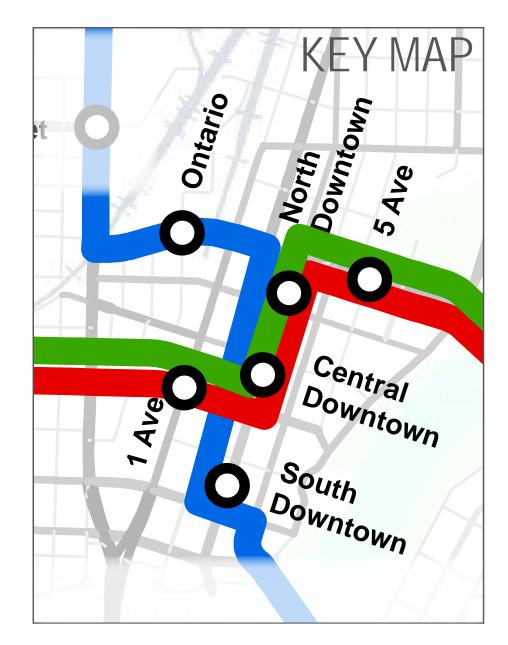




14

BRT STATION PLATFORMS

Red / Green / Blue Lines: Downtown



Red/Green/Blue Line: North Downtown



Red/Green Line: 5th Avenue



Blue Line: Ontario Avenue



Red/Green Line: 1st Avenue



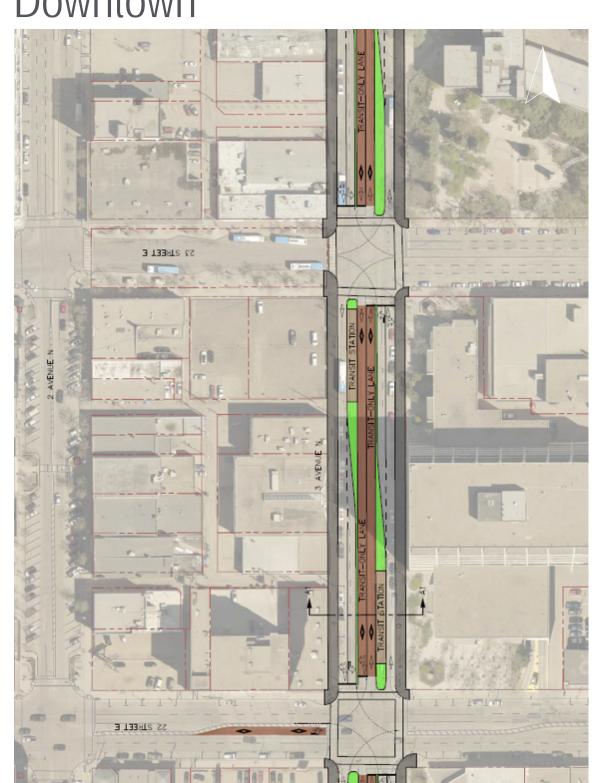
Red/Green/Blue South

Let us know what you like or what we can improve about these platform locations at the table.

Red/Green/Blue Line: Central Downtown

24 STREET E

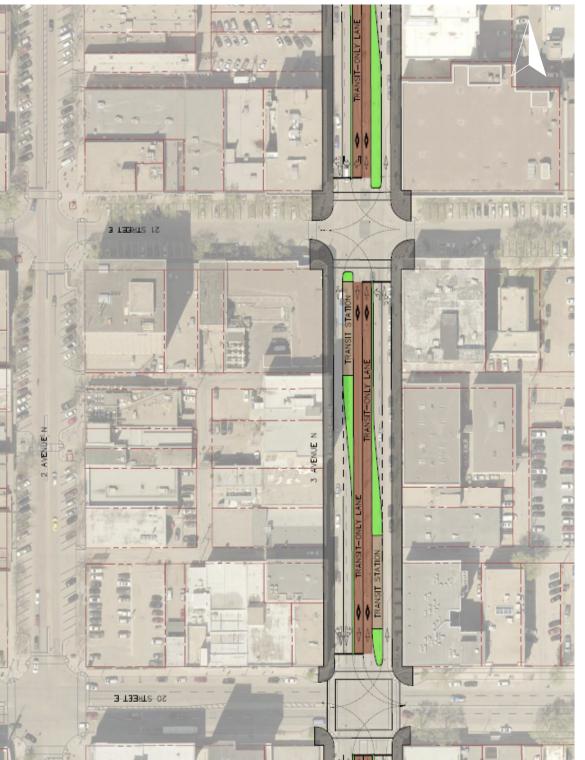
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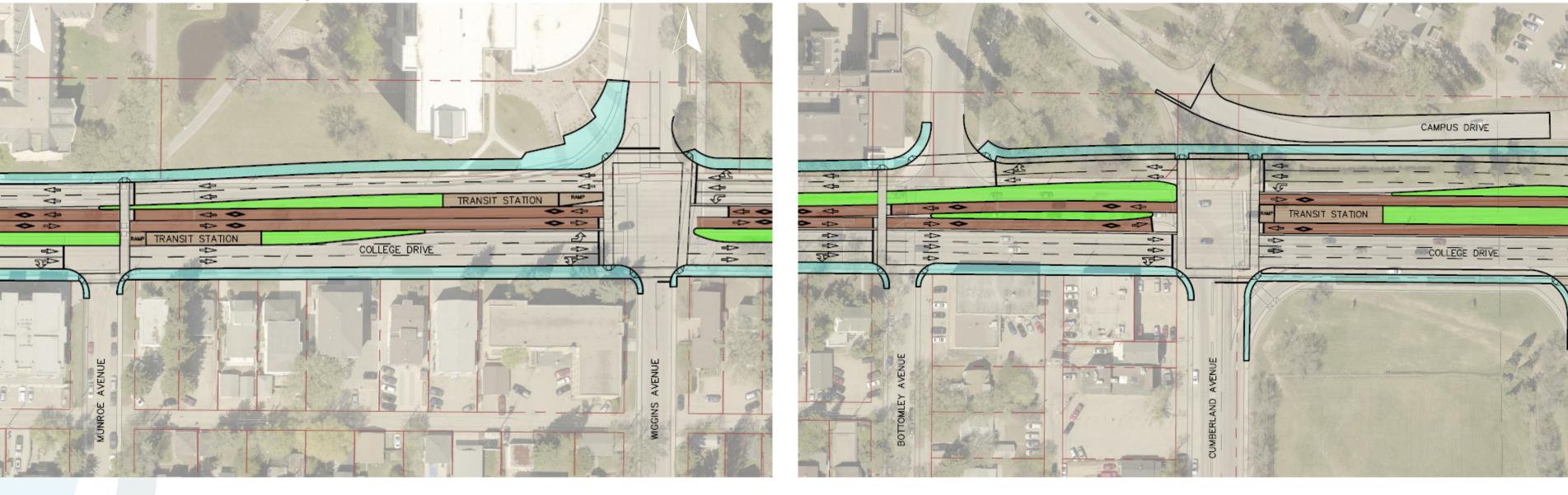






Red / Green Line East: College Drive from Munroe to Preston Avenue

Red/Green Line: Hospital (Munroe Ave)



Red Line: Field House

15

VEXT CB ETEN: 10 BE **BRESTON AVENUE N** *City of* Saskatoon

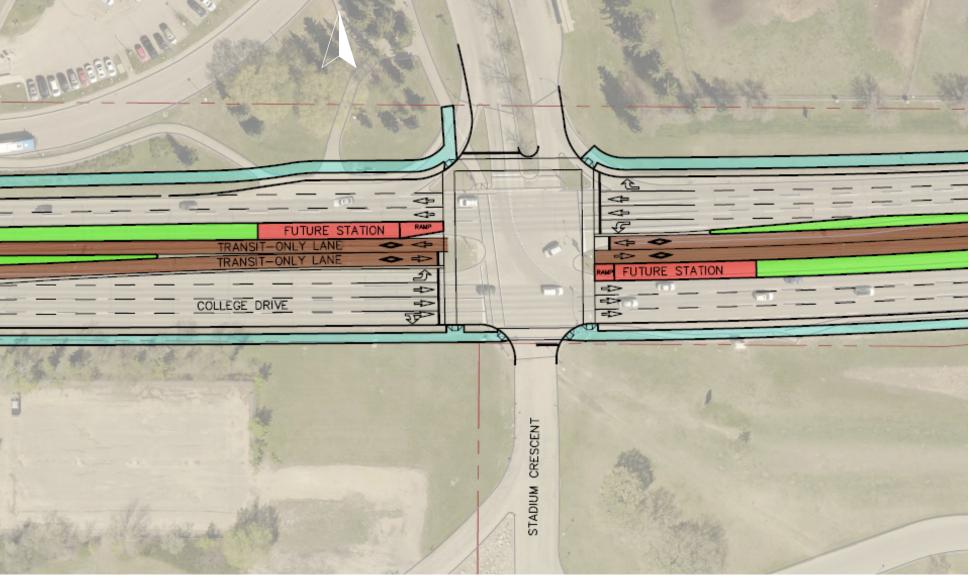
Green Line: 108th Street



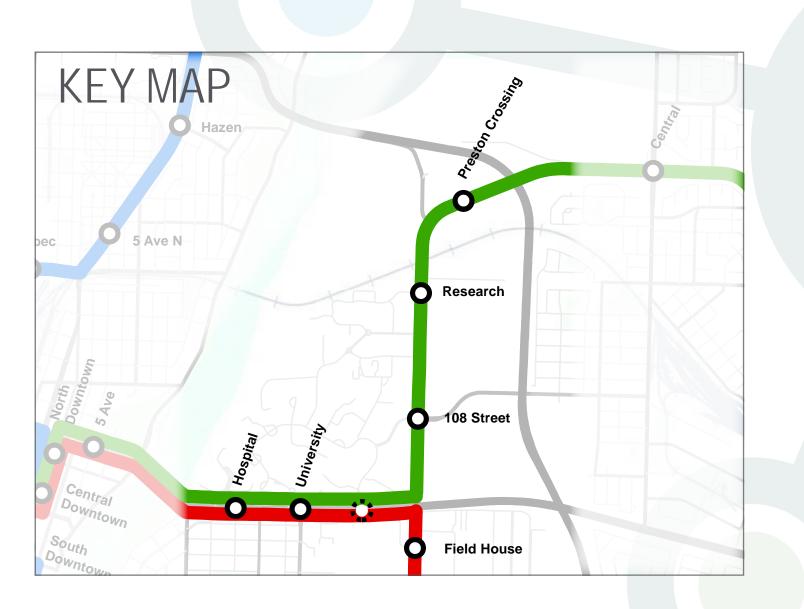
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Red/Green Line: University (Cumblerland)



Green Line: Research Drive



Red/Green Line: Stadium (Future Only)

Let us know what you like or what we can improve about these platform locations at the table.



Red Line East: Preston Avenue S and 8th Street E

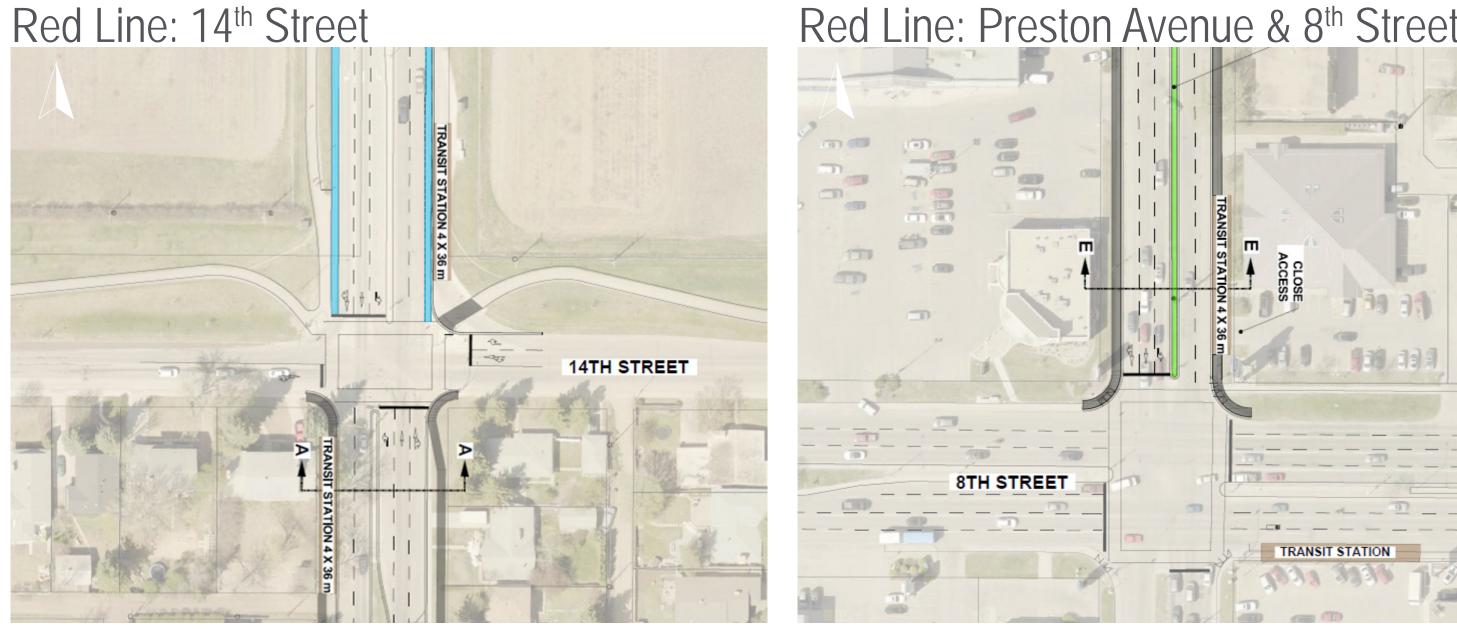
Red Line: Field House



Red Line: Acadia Drive





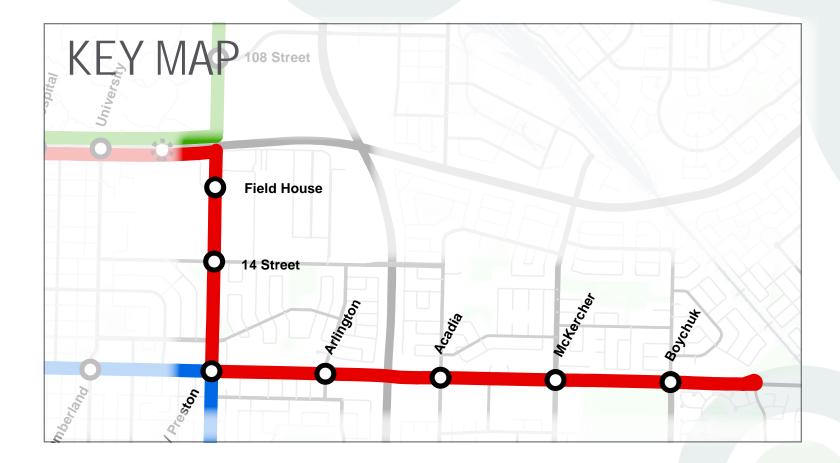




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Red Line: Preston Avenue & 8th Street

Red Line: Boychuk Drive



Red Line: Arlington Avenue



Let us know what you like or what we can improve about these platform locations at the table.



Green Line East: Preston Avenue N to University Heights Square

Green Line: Preston Crossing

17



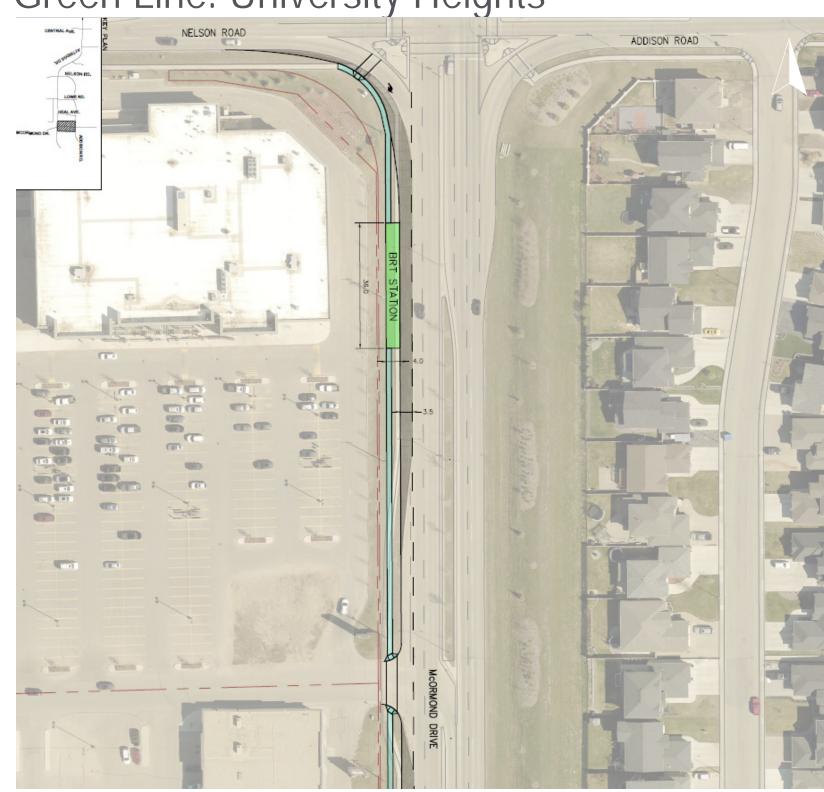
Green Line: Lowe Road







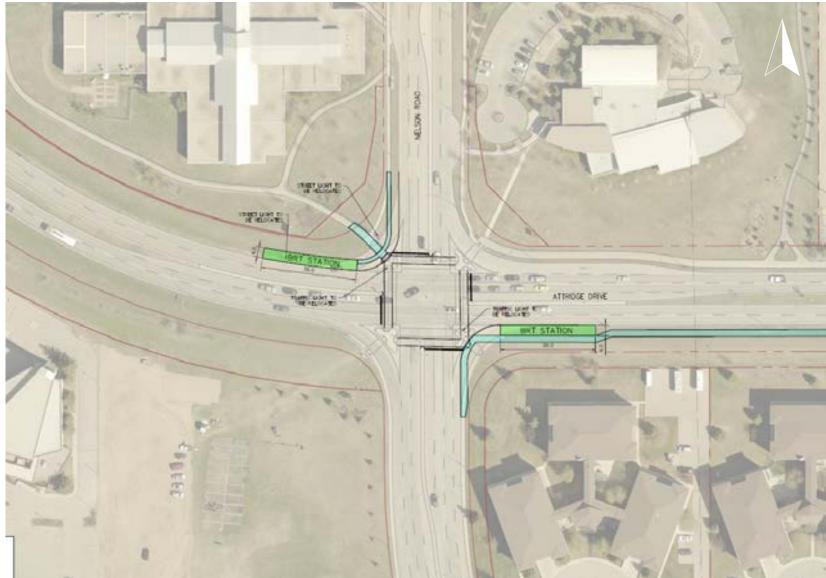




Green Line: Central Avenue

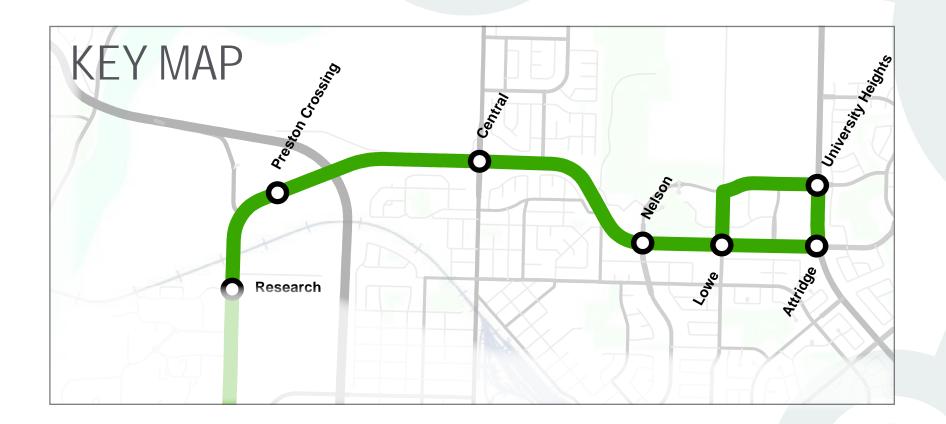
Green Line: University Heights

Green Line: Nelson Road



Red Line: Attridge Drive



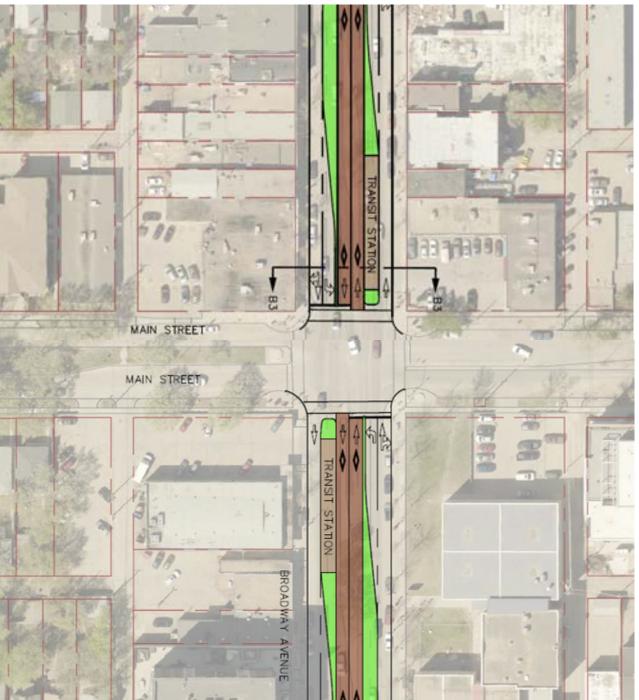


Let us know what you like or what we can improve about these platform locations at the table.



STATION PLATFORMS Blue Line South: Broadway Avenue to 8th Street to Preston Avenue S

Blue Line: Main Street



Blue Line: Taylor Street





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Blue Line: Clarence Avenue



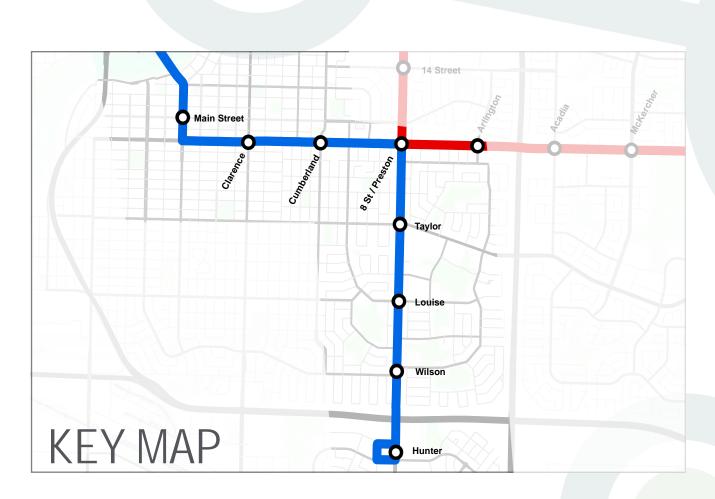
Blue Line: Louise Avenue



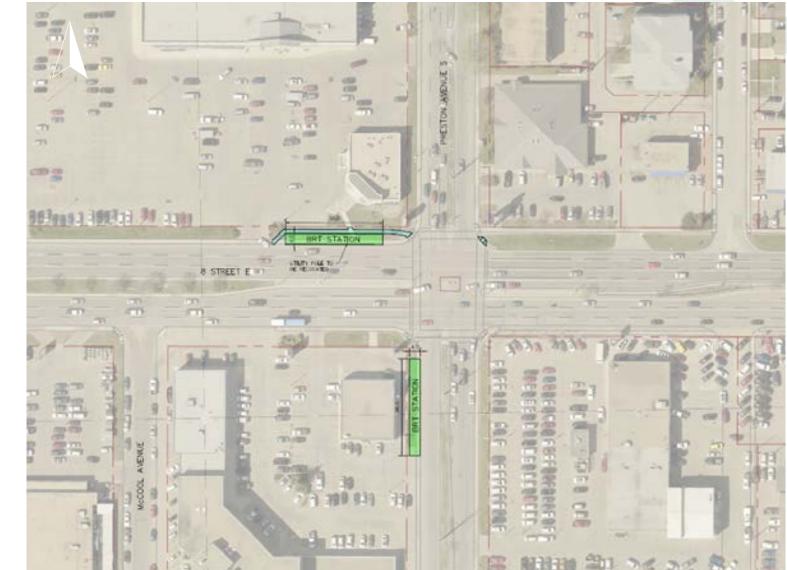


Blue Line: Cumberland Avenue

Blue Line: Wilson Avenue



Blue Line: 8th Street/Preston Avenue



Blue Line: Hunter Road



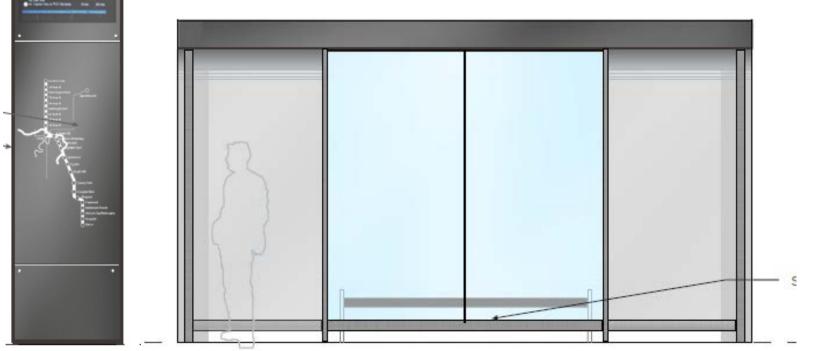
GROWTH

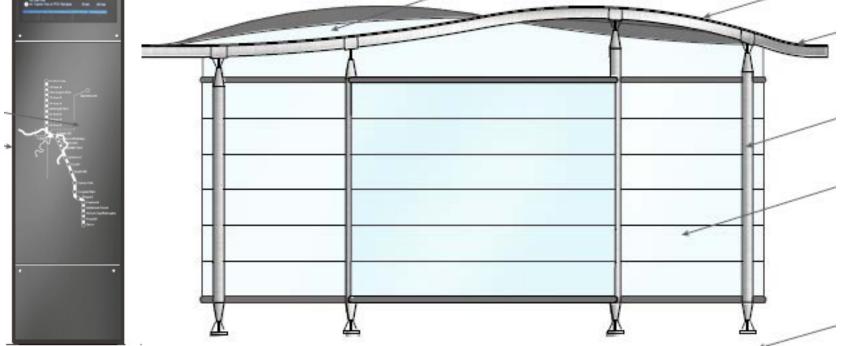
BRT STATION SHELTER DESIGN

Here are two shelter design options for your consideration. Shelters will include radiant heat, waste receptacles and will be modular so that the design can be scaled by station.

Which option do you prefer? Please place a dot under one of the images.

Option A	Option B
Station Name Dression	Station Name Creston GLAZING







Example of Option A along 3rd Avenue



Example of Option B along 3rd Avenue





BRT STATION SHELTER DESIGN

What can we improve about the shelter design? Please include any comments below:



Example of Option A along 22nd Street W

Example of Option B along 22nd Street W







TRANSIT NETWORK RECONFIGURATION PLAN

What we heard in December

Buses are not frequent

Transit is not reliable

Transit is not direct

Improve customer service



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How the Route Reconfiguration Plan Addresses these Issues

BRT and many conventional routes will be more frequent. During peak periods, BRT buses will run every 10 minutes.

Regular Saskatoon Transit routes will be able to take advantage of many BRT features: transit signal priority, geometric improvements, exclusive runningways and stations. These features can reduce congestion impacts to transit.

The new routes provide more direct travel by eliminating many looped routes and replacing them with more direct two-way service.

Customer service will improve through increased frequency and reliability. Customers can also access BRT station amenities (shelters with radiant heat and real-time information displays) which will improve the waiting experience.

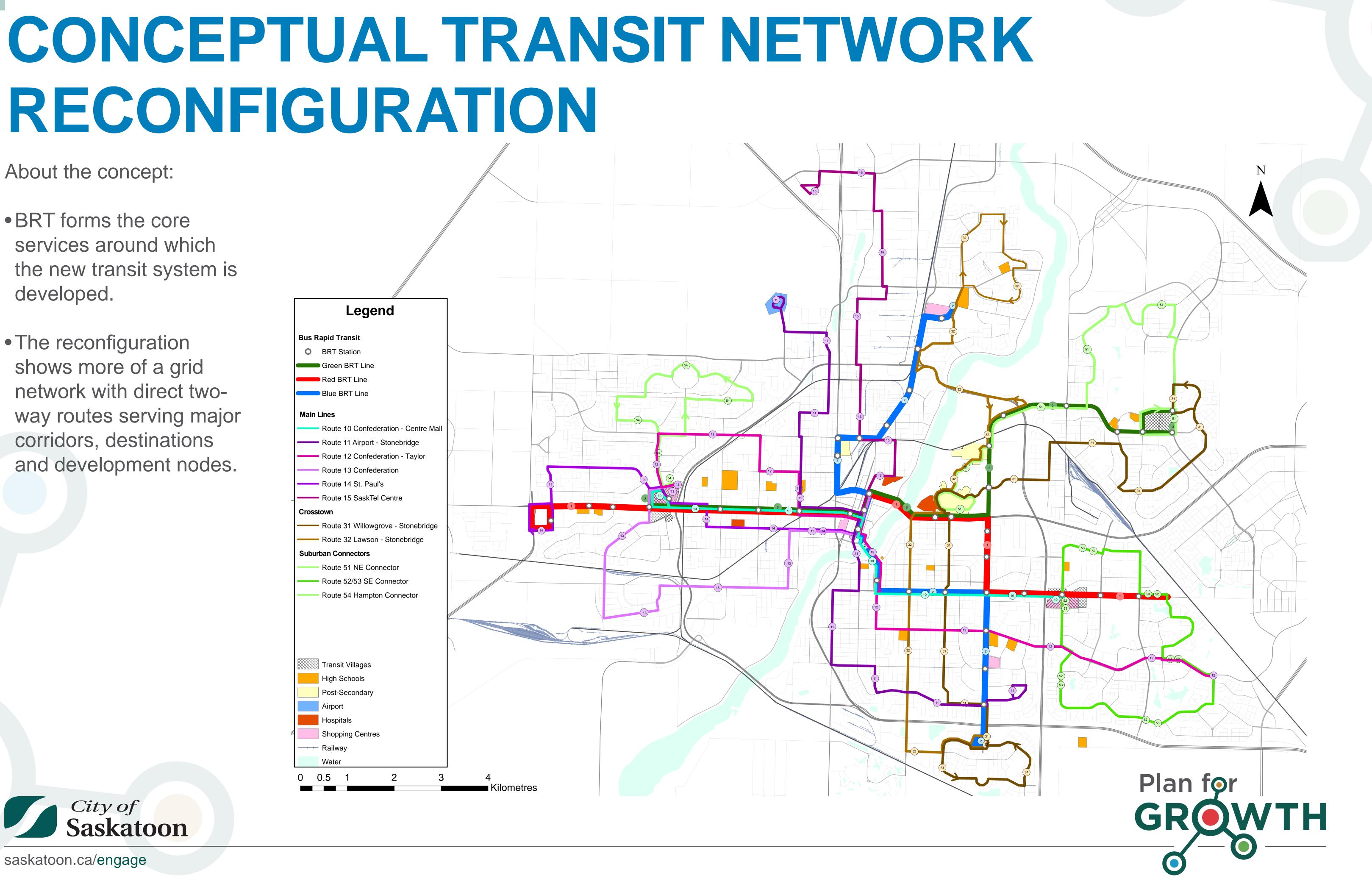


RECONFIGURATION

About the concept:

22

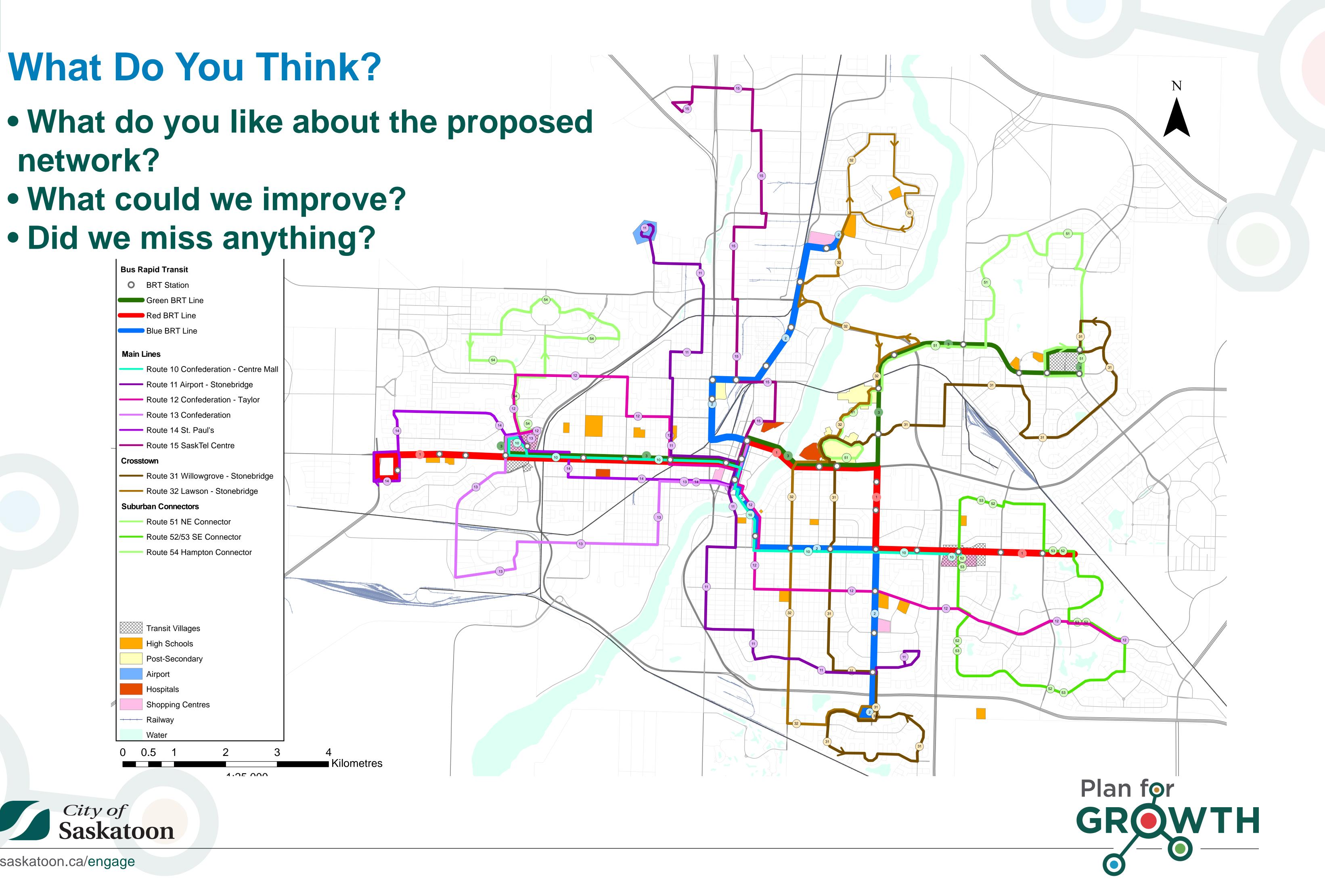
- BRT forms the core services around which the new transit system is developed.
- The reconfiguration shows more of a grid network with direct twoway routes serving major corridors, destinations and development nodes.





What Do You Think?

- network?
- What could we improve? Did we miss anything?



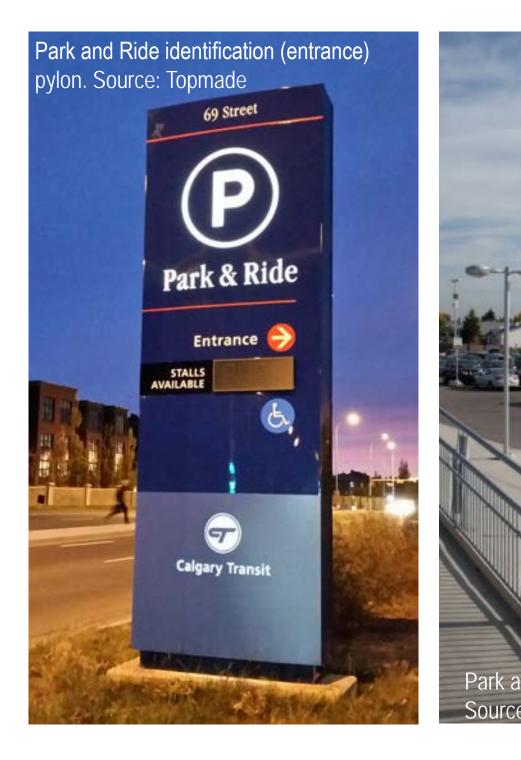


PARK& RIDE STRATEGY

Purpose:

24

- Intercept auto trips coming from outer communities
- Reduce parking demand downstream
- Develop concepts for potential sites





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Reduce traffic flows by shifting part of a trip to transit

