

Barrie's Transit Vision



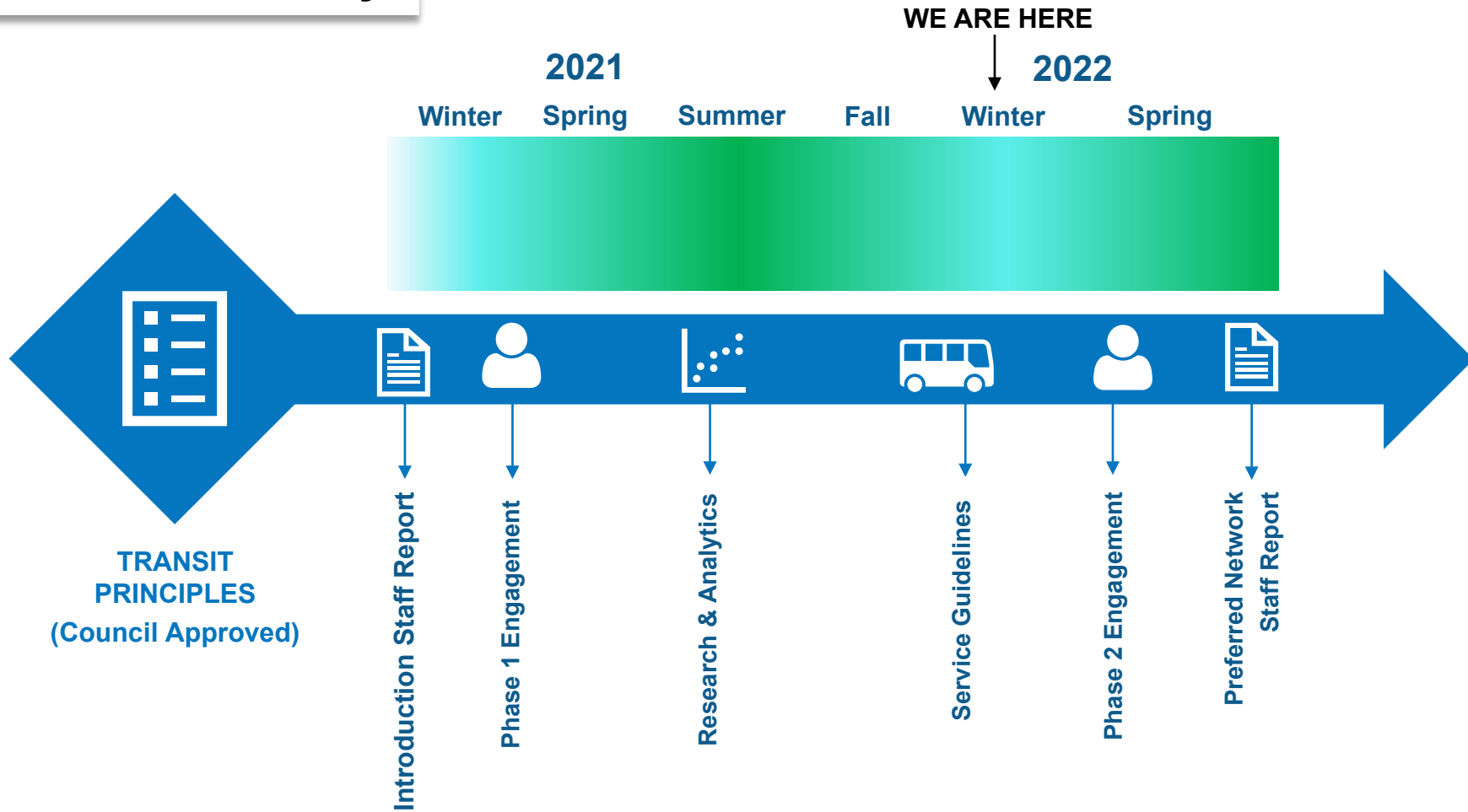
Speakers:

Dennis Kar
Barrie Transit's Vision – Advisory Consulting
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Barrie's Transit Vision - Project Lead
City of Barrie: Transit Project's Lead



Timeline Summary



Transit Service Guidelines



Purpose

1. Bring clarity, consistency, accountability and equity to transit service decisions.
2. Provide a tool to implement/monitor the council endorsed Project Principles.
3. Define minimum thresholds.



“Service guidelines provide clarity and transparency to the decision-making process”

Built on Best Practices

Methodology

1. Compared against service guidelines documents from numerous peer agencies (*Guelph, London, Durham Region, York Region, Halifax, TransLink, TTC and BC Transit*)
2. Assessed using a lens of Project Principles identified through community engagement



“Service guidelines provide clarity and transparency to the decision-making process”

Transit Service Guidelines

SERVICE TYPE GUIDELINES

- Hours of Operation
- Frequency
- Stop Spacing
- Service Coverage



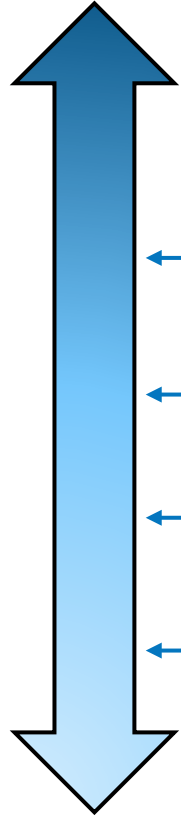
NETWORK GUIDELINES

- Service Productivity
- Vehicle Crowding
- Potential for Ridership (new service areas / hours)



Recommended Hierarchy of Routes

Ridership Focus



Coverage Focus

Route Hierarchy	Example Route
Express Transit Network (ETN): For Quick and Direct Cross City Trips	
Frequent Transit Network (FTN): Minimum 15-minute frequency for high ridership corridors.	
Local Transit Network (LTN): Coverage route connecting residents to local community and ETN/FTN's.	
Transit On Demand Zone: Performs best servicing residents in low ridership demand areas or times.	

Service Type Guidelines

	Frequent Transit Network (FTN)		Local Transit Network (LTN)		Express Transit Network (ETN)		On Demand Zone	
Bus Stop Spacing	Bus stop spacing should typically be between 400-500m		Bus stop spacing should typically be between 300-400m		Optimized based on local site conditions for quick travel times		Optimized based on local site conditions for high service coverage	
Span of Service	Weekday: 6:00a.m. - 10:30p.m. Saturday: 7:00a.m. - 10:30p.m. Sunday: 9:00a.m. - 10:00p.m.		Weekday: 7:00a.m. - 6:00p.m.		As demand warrants		As demand warrants	
Service Frequency	Weekday Peak 7:00a.m. - 9:00a.m. & 3:00p.m. - 6:00p.m.	15 minutes	Weekday Peak 7:00a.m. - 9:00a.m. & 3:00p.m. - 6:00p.m.	45 minutes	Weekday/Weekend	As demand warrants	Weekday/Weekend	Wait time: Under 20 minutes
	Weekday Off Peak	30 minutes	Weekday Off Peak	60 minutes				
	Saturday	30 minutes	Saturday	60 minutes*				
	Sunday	30 minutes	Sunday	60 minutes*				
Service Productivity	Minimum: 15 riders boardings per bus service hour		Minimum: 8 riders boardings per bus service hour		Minimum: 30 riders boardings per bus service hour		Minimum: 4 riders boardings per bus service hour	
Crowding Guidelines	No more than 50% of trips are full during a two-hour service period		No more than 10% of trips are full during a two-hour service period		No more than 50% of trips are full during a two-hour service period		No more than 10% of trips are full during a two-hour service period	

*When service is provided

Network Guidelines

Service Coverage	85% of residential and employment uses are served by a Barrie Transit Service within 400m from a bus stop during the span of services identified		
Frequency Improvement	Low Frequency to Medium Frequency	15 rider boardings per bus service hour, and/or Vehicle Crowding guidelines exceeded	
	Medium Frequency to High Frequency	30 riders boardings per bus service hour, and/or Vehicle Crowding guidelines exceeded	
New Service Areas Implementation	Entry Service Levels	500 residents/employees and/or 200 residential units while greater than 500m from existing transit bus stop.	Service Days: Monday to Saturday
	Regular Service Levels	1000 residents/employees and/or 400 units while greater than 500m from existing transit bus stop.	Service Hours: Morning to Evening
New Service Areas Monitoring	New Service Implemented in a new area or new time.		Service Days: Monday to Sunday
			Service Hours: Guided by local conditions
			<ul style="list-style-type: none"> • 50% of Service Productivity minimums within 6 months. • 100% of Service Productivity minimums within 1 year.

Why Endorse the Service Guidelines?

- Common practice among many transit systems
- Creates buy-in prior to recommending detailed network changes
- Increases transparency and equity in the decision-making process

