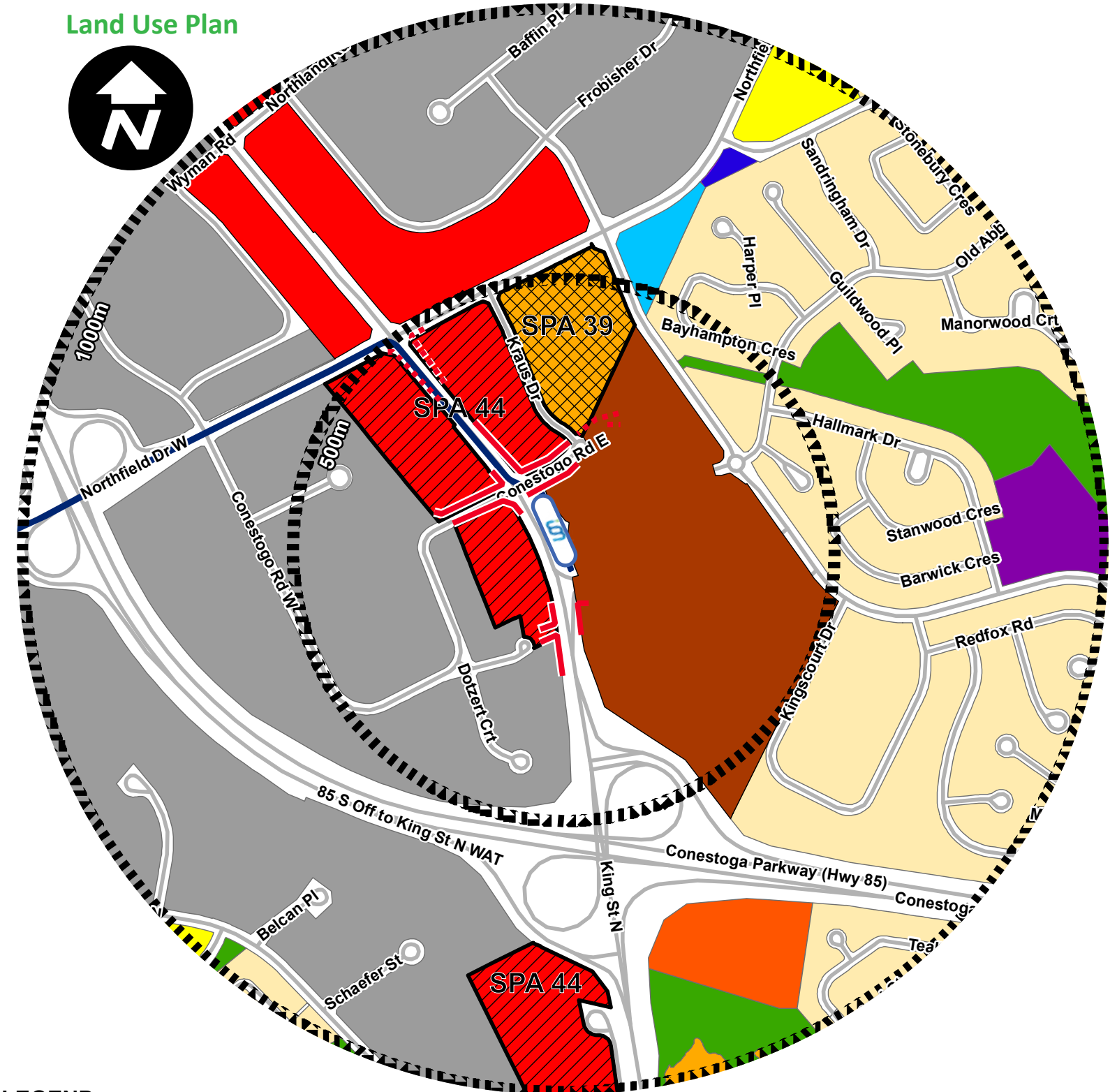
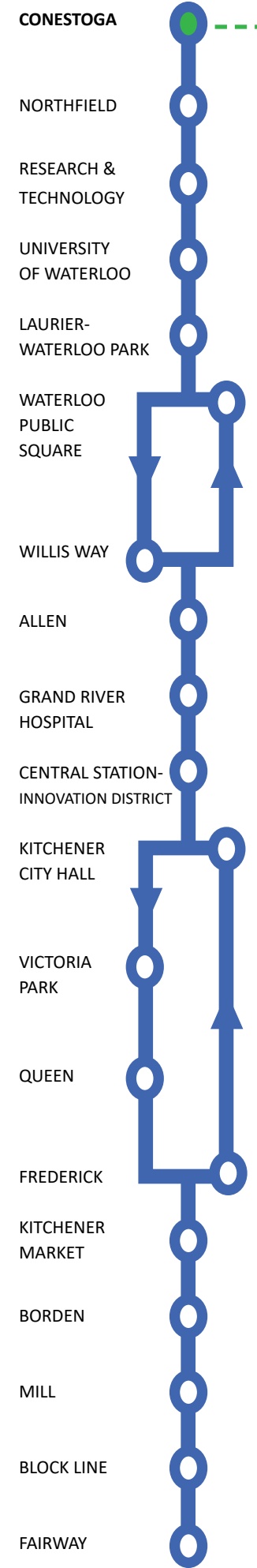


# CONESTOGA STATION AREA CHARACTERISTICS



## General Characteristics

- Mixture of commercial, employment and residential uses centred around Conestoga Mall
- Largely auto-centric
- Fragmented sidewalk and street network
- High employment densities
- Two highway interchanges within 1km of station area

## Future Population and Employment Density

Desired residential and job density within 800m of LRT Station: **160/hectare**  
 Current Conestoga Station residential density: 21/hectare  
 Current Conestoga Station employment density: 30/hectare  
 Current Conestoga Station residential and employment density: **51/hectare**  
 Projected 2021 Conestoga Station residential and employment density: **59/hectare**

## City of Waterloo Land Use Recommendations

- Support the continued intensification of the Conestoga Mall parking lot to create a higher-density and more transit-oriented place
- Plan for a greater mix of uses immediately around the station
- Encourage buildings that actively address the street with uses at grade along King Street
- Transform Conestogo Road as a key link through the area with street-related uses and more-transit oriented development
- Encourage employment growth within the station area

## Additional Land Use Recommendations

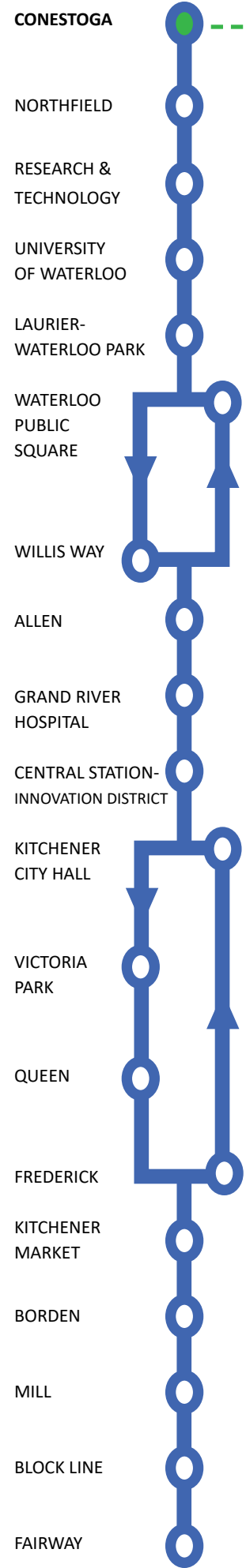
- Consolidate existing parking areas to structured parking to increase available land for redevelopment

## LEGEND

Business Park	Core	Mixed Use	Industrial/Employment	Active Frontage**
Commercial	High Density Residential	Mixed Use Residential	Heavy Industrial Employment	Convertible Frontage**
Corridor Commercial	Medium Density Residential	Mixed Use Non-Residential	Institutional	Additional Active/Convertible Frontage**
Conestoga Commercial Centre	Low Density Residential	Mixed Use Neighbourhood Commercial	Major Institutional	
		Mixed Use Office	Open Space	

Updated December 2020

# ACTIVE TRANSPORTATION



## Existing Sidewalk Network

- Sidewalk-roadway ratio of **65%** (excludes highways)
- Current ratio indicates relative number of streets have sidewalk on one side only or none at all
  - Major gaps include along Conestogo Road where there are no sidewalks, King Street between Northfield Drive and Conestogo Road where there are sidewalks on one side, and Northfield Drive west of King where there are sidewalks on one side

## Existing Connectivity & Walkability

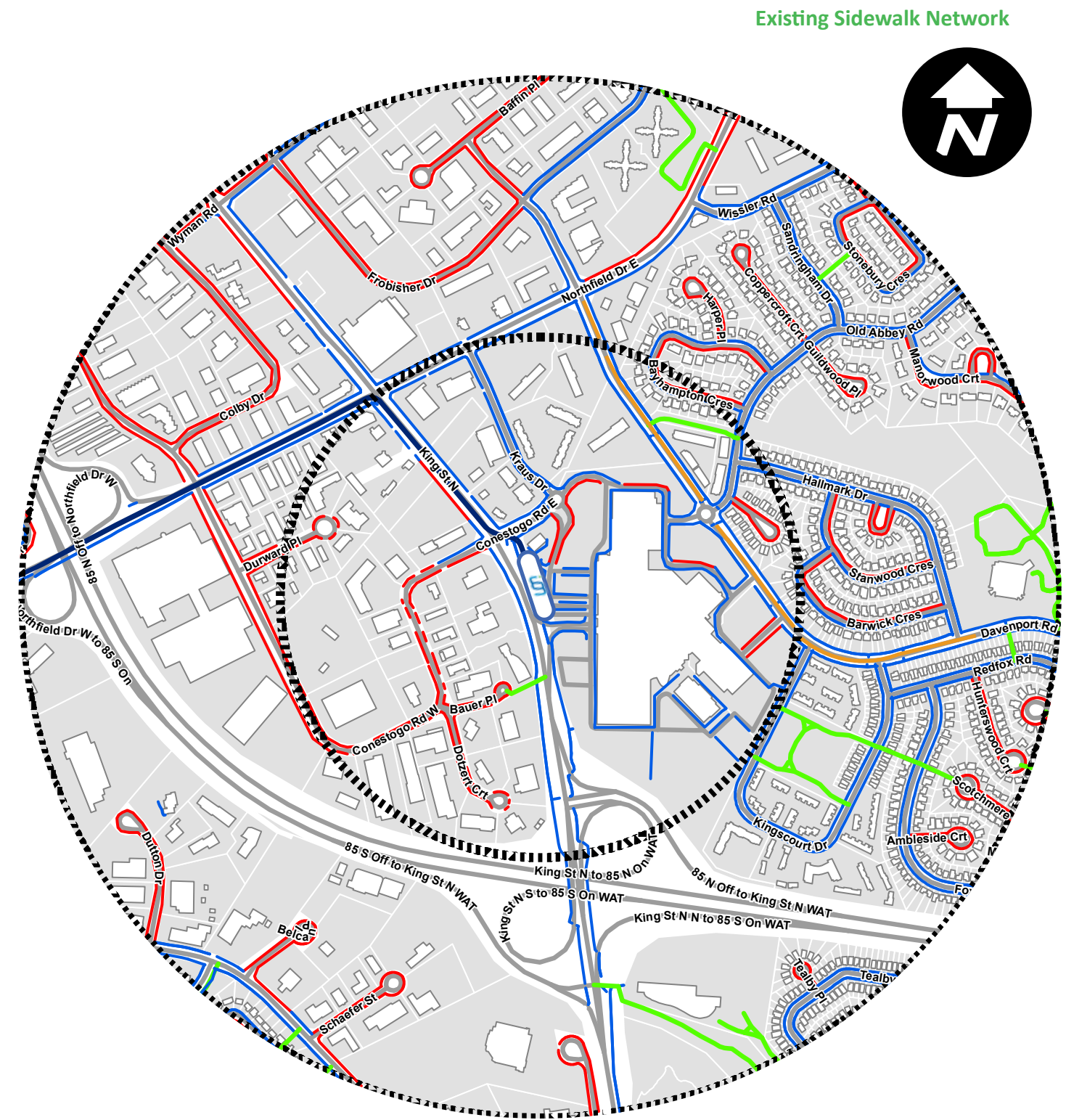
- Walk Score of 73 (Very Walkable)
- This indicates some long walk distances and/or out-of-direction travel for pedestrians

## Existing Bike Network

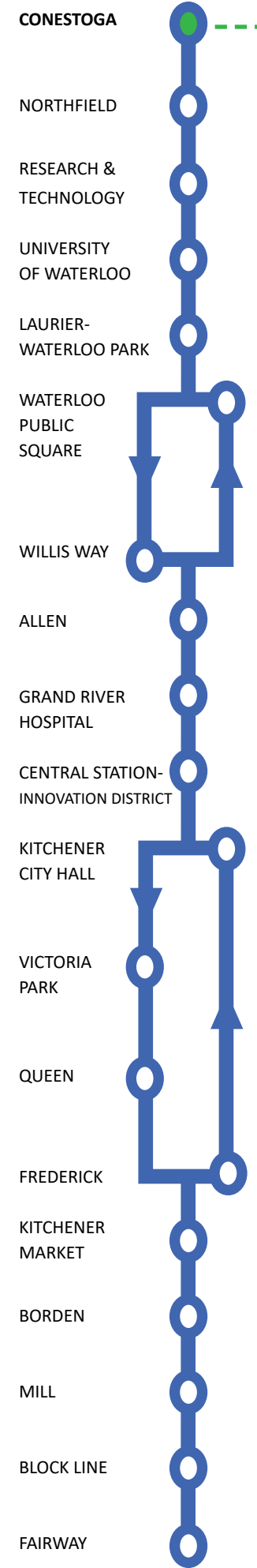
- Three main corridors of bike infrastructure:
- Bike lanes on both sides along Davenport Road between Northfield Drive and Lexington Road
- Multi-use trail on both sides along King Street between Blue Springs Drive and Conestoga Mall
- Multi-use trail on the east side along King Street between Weber Street and Blue Springs Drive

## Existing Trail Network

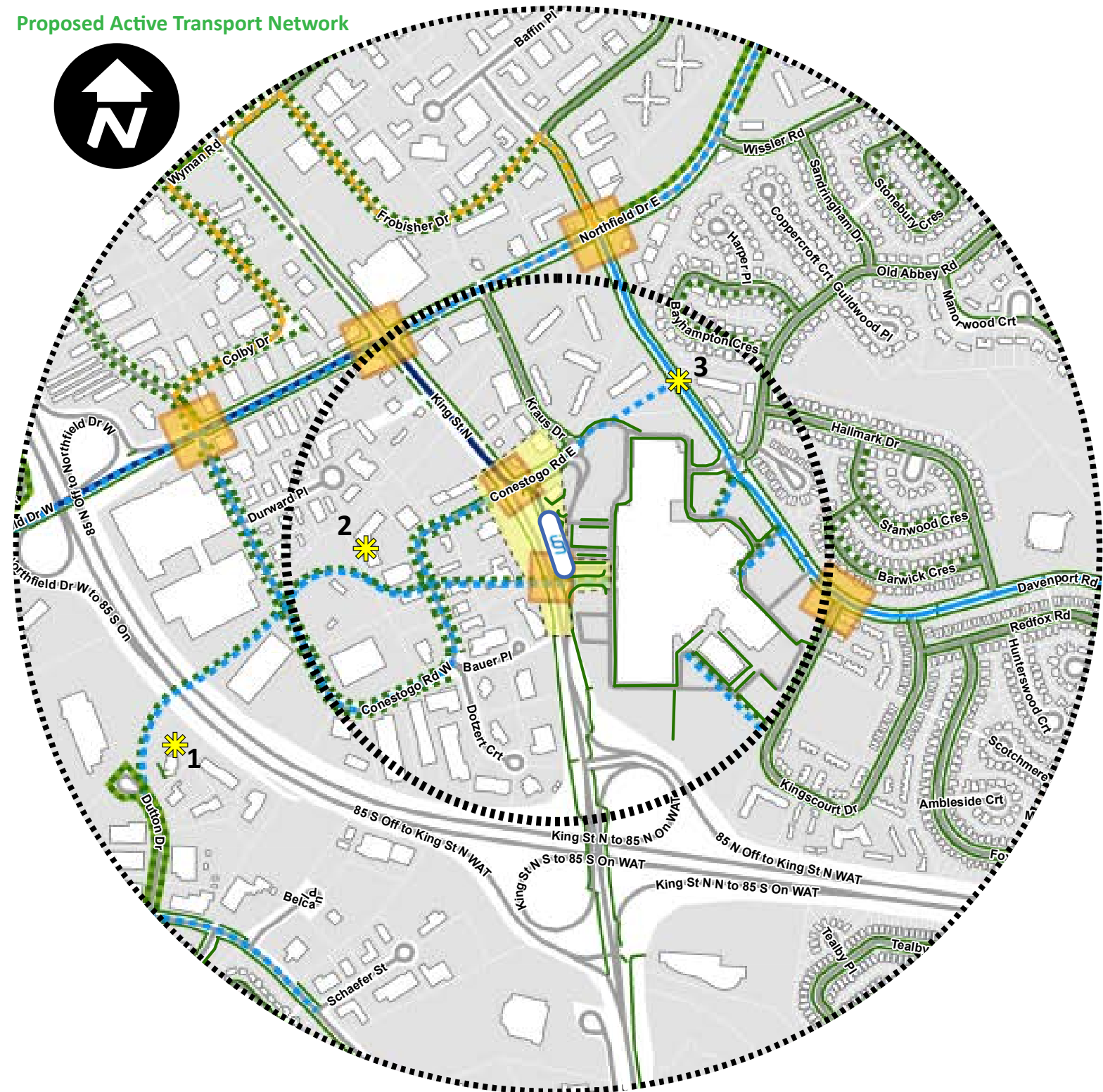
- Interior trail networks within Kingscourt Park and Anndale Park



# ACTIVE TRANSPORTATION



## Proposed Active Transport Network



## City of Waterloo Active Transportation Recommendations

- Create a finer grained and interconnected street grid pattern with new street connections and smaller blocks to improve connectivity
- Establish a pedestrian transfer zone around the station to support transfers and improve access to surrounding destinations
- Improve connections between Lincoln neighbourhood and Conestoga Mall/Station
- Complete the sidewalk network and add pedestrian paths through the mall parking lot to support pedestrian access to and from Conestoga Mall/Station
- Long term, transition to denser urban developments by reducing parking requirements and encourage structured parking decks and facilities instead of surface parking
- Encourage completion of the sidewalk network in the adjacent residential areas

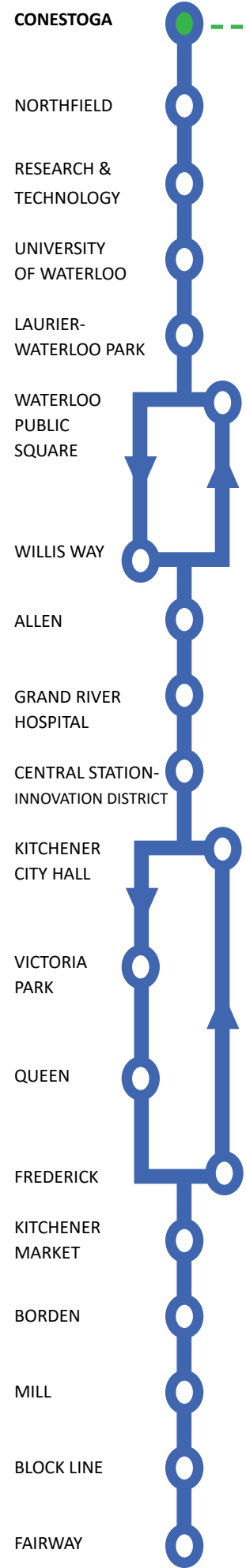
## Additional Active Transportation Recommendations

- Create improved connections between Colby Drive and King Street for better access to transit
- Improve pedestrian and cycling infrastructure in industrial areas near Dutton Drive

### LEGEND

	ION Station		Existing Pedestrian Connection**		Existing Cycling Connection**		Potential Intersection Improvement**
	500m & 1000m Buffer		Proposed Pedestrian Connection**		Proposed Cycling Connection**		See Footnotes
	Streets		GRT/Consultant Proposed Pedestrian Connection**		Existing Signed Cycling Route**	<b>Footnotes</b>	
	Transfer Zone**				Recommended Signed Cycling Route**	1 New Open Space Opportunity	
					GRT/Consultant Proposed Cycling Connection**	2 New Open Space Opportunity	
						3 Potential New Intersection**	

# PASSENGER ENVIRONMENT



## Station Access

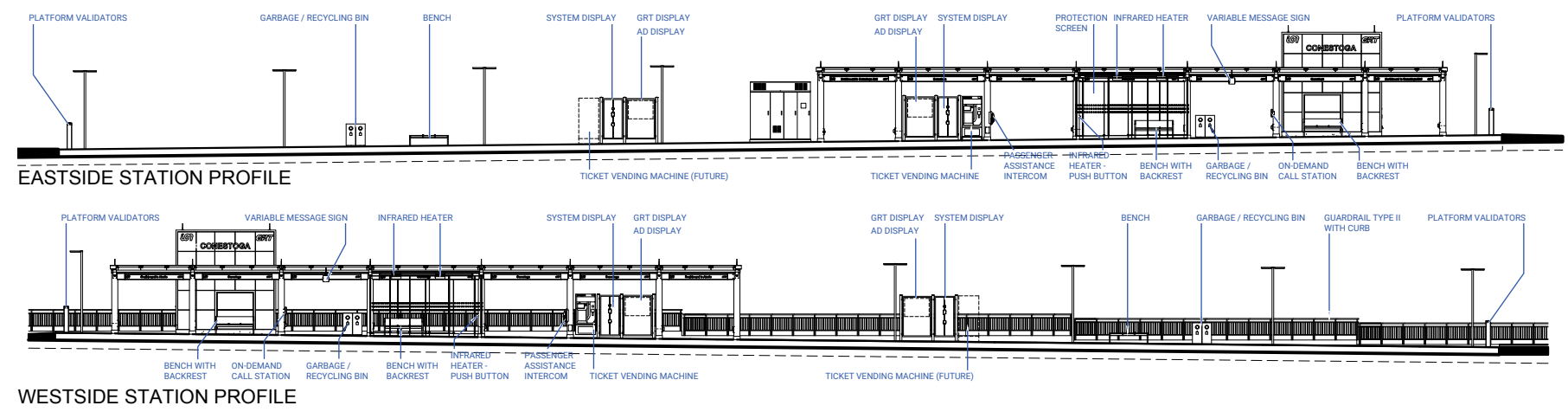
- Access to each end of the platform is provided by 2 concrete sidewalks over the tracks from the mall parking lot to and from King Street
- There is an existing signalized crossing at King Street and Conestogo Road
- A 3-metre-wide multi-use trail is provided along the eastern side of King Street (Conestoga Mall side) to accommodate pedestrians and cyclists

## Station Design and Amenities

- Serves as the northern terminus of ION Light Rail
- Two bi-directional platforms with lighting
- Glass canopy shelters provided over boarding/alighting platform areas
- Glass enclosure under canopy with push button infrared heater for inclement weather
- 1 Bench with back rest in glass enclosure of each platform
- 1 Bench with back rest in front of Anchor Wall of each platform
- 1 Bench at opposite end of each platform from Anchor Wall
- Blue, orange and yellow Anchor walls with station name
- Public art installation
- Real-time and static transit system information displays
- 2 Fare Vending Machines per platform
- Way-finding Signage and Information
- 2 Garbage/Recycling bins per platform
- 2 Platform Validators per platform
- 1 On Demand Call Station per platform
- 1 Passenger Assistance Intercom per platform

## Recommendations

- Provide digital dynamic displays at either end of the platforms to show next bus departure times and other passenger information



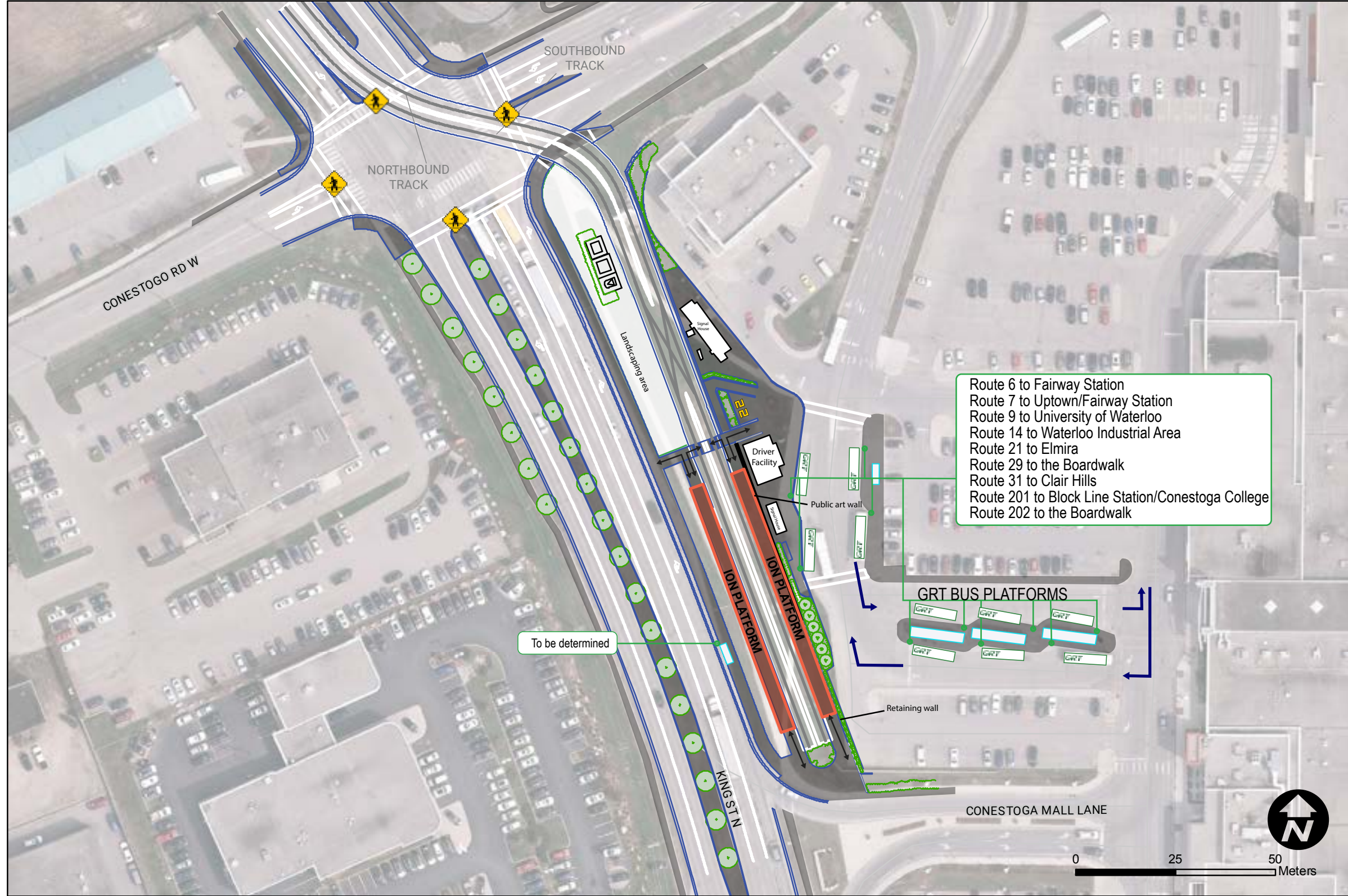
Public Art Installation - Continuum by Catherine Paleczny

### Early station design cross-section

Note: Grandlign made adjustments to the design in the field as construction progressed. The information represented here is not a final representation of completed construction.

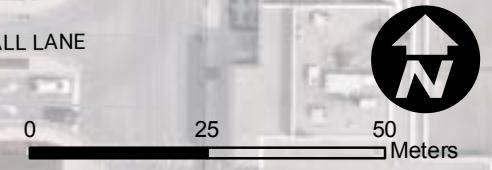
# TRANSIT CONNECTIONS

- CONESTOGA
- NORTHFIELD
- RESEARCH & TECHNOLOGY
- UNIVERSITY OF WATERLOO
- LAURIER-WATERLOO PARK
- WATERLOO PUBLIC SQUARE
- WILLIS WAY
- ALLEN
- GRAND RIVER HOSPITAL
- CENTRAL STATION-INNOVATION DISTRICT
- KITCHENER CITY HALL
- VICTORIA PARK
- QUEEN
- FREDERICK
- KITCHENER MARKET
- BORDEN
- MILL
- BLOCK LINE
- FAIRWAY

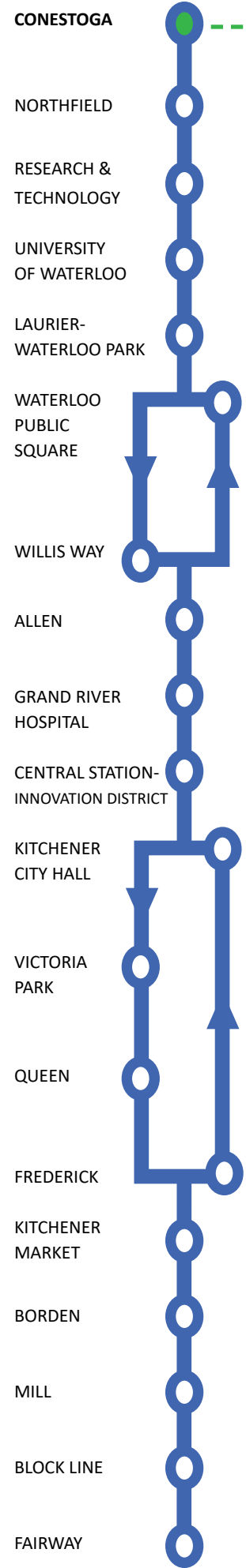


**Legend**

- Bus Shelter
- GRT Bus
- Railway Gate
- Bike Rack
- Concrete
- Bus Stop
- Plantings
- Pavement Markings
- Signalized Pedestrian Crossing
- Pedestrian Access to Platform
- Bus Movements



# TRANSIT CONNECTIONS



Route Name	Start	via	End	Walk Distance to ION	Headway			
					Peak	Midday	Saturday	Sunday
6 Bridge-Courtland	Conestoga Station	Bridge St Lancaster St Courtland Ave	Fairway Station	70 m (1 min)	30 min	30 min	30 min	30 min
7 King	Conestoga Station	King St Connaught St	Fairway Station	130 m (1.5 min)	15 min	15 min	15 min	15 min
9 Lakeshore	Conestoga Station	Northfield Dr Cedarbrae Ave	University of Waterloo Station	130 m (1.5 min)	15 min	30 min	30 min	30 min
14 Bathurst	Conestoga Station	Bathurst Dr	Conestoga Station	130 m (1.5 min)	30 min	no service	no service	no service
21 Elmira	Conestoga Station	King St Arthur St	Arthur/Church	70 m (1 min)	30 min	30 min	30 min	no service
29 Keats-University	Conestoga Station	Lincoln Rd University Ave Keats Way	The Boardwalk Station	50 m (0.5 min)	30 min	30 min	30 min	30 min
31 Columbia	Conestoga Station	Eastbridge Blvd Lexington Rd Columbia St	Columbia/Sundew	130 m (1.5 min)	30 min	30 min	no service	no service
201 iXpress Fischer-Hallman	Conestoga Station	Columbia St Fischer-Hallman Blvd Homer Watson Blvd	Conestoga College Doon Campus		10 min	15 min	30 min	30 min
202 iXpress University	Conestoga Station	University Ave Erb St	The Boardwalk Station	130 m (1.5 min)	10 min	15 min	30 min	30 min
301 ION Light Rail	Conestoga Station		Fairway Station	130 m (1.5 min)	10 min	10 min	15 min	15 min