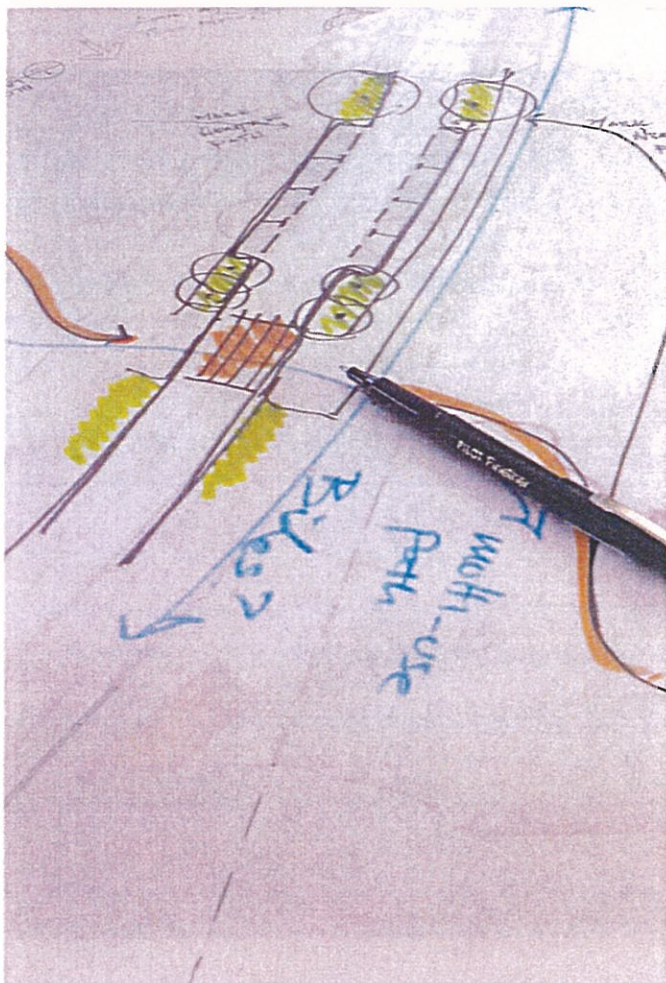




New Park Place
Shared Space Street
Vaughan Metropolitan Centre

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URBAN DESIGN STUDIES

City-Wide Streetscape Implementation
Manual + Financial Strategy

Streetscape Plans

Urban Design Guidelines

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STREETSCAPE IMPLEMENTATION MANUAL + FINANCIAL STRATEGY

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Goal

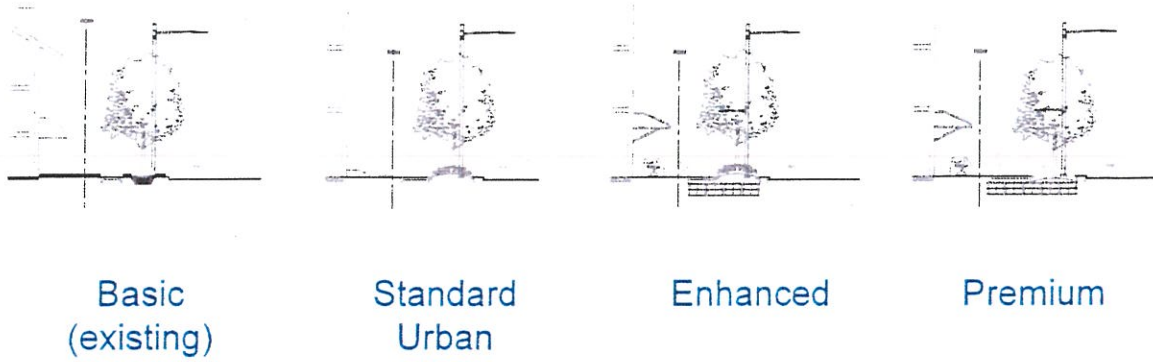
Develop an integrated framework to manage the design, costing, implementation and maintenance of streetscapes in **Urban Intensification Areas** and **Heritage Conservation Districts**.

Objectives

- From “suburban” to “urban” level of service
- Integrate the planning, design, and implementation process
- Plan sustainable street infrastructure (financial, environmental, social)
- A Complete Streets approach

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Streetscape Levels of Service

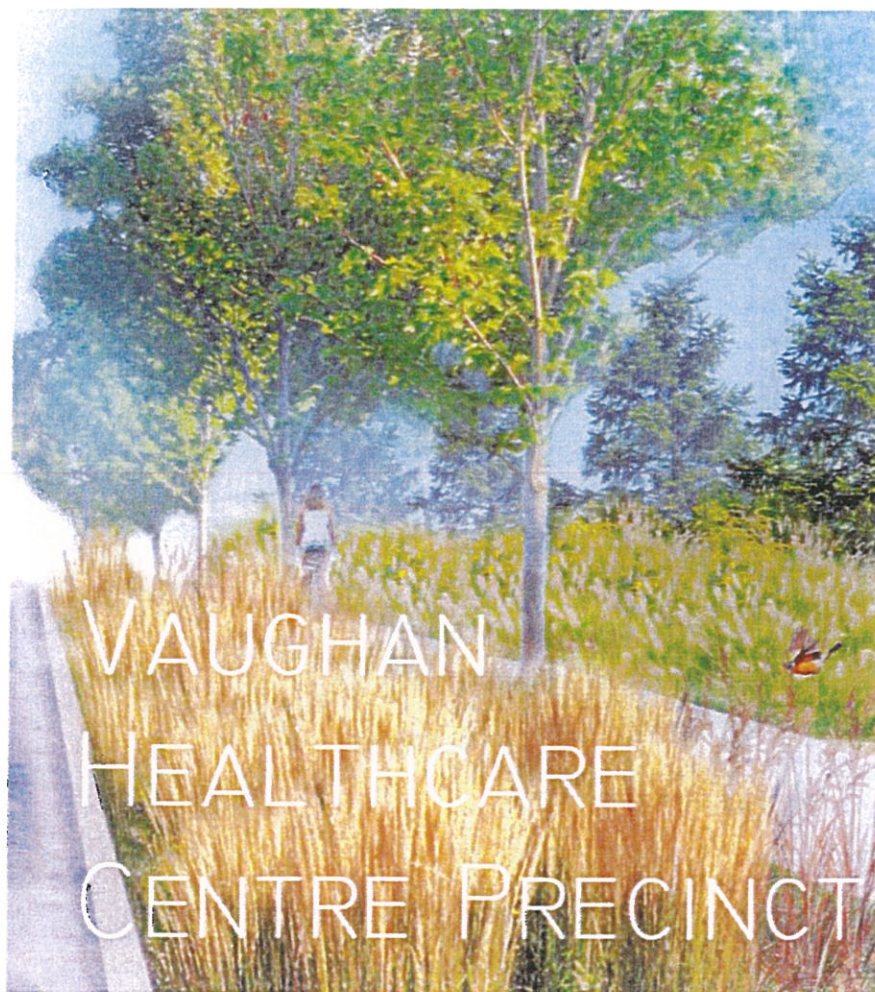


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Streetscape Design Components Matrix (Kit of Parts)

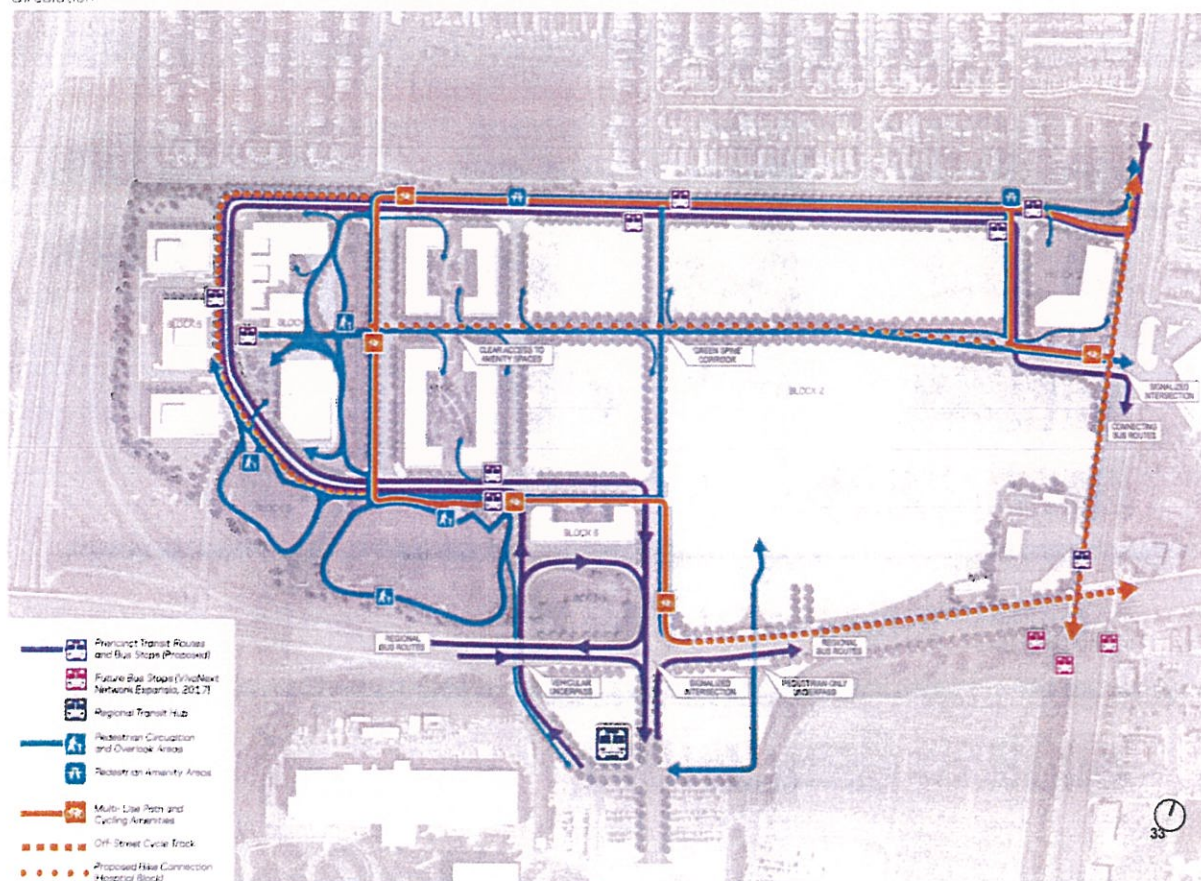
	Continuity Strip	Pedestrian Clearway	Frontage Zone	Seating	Bicycle Parking	Waste Receptacles	Pedestrian Lighting	Accent Lighting	Street Tree Planting	Ornamental Planting	Custom Tree Grates/ Guas	Planters / Planting Islands	Street Medis	Custom Branding / Wayfink	LID Measures	Structural Soil Cells
Level of Service																
Basic																
Standard Urban																
Enhanced																
Premium																

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Pedestrian and Cycling Connections

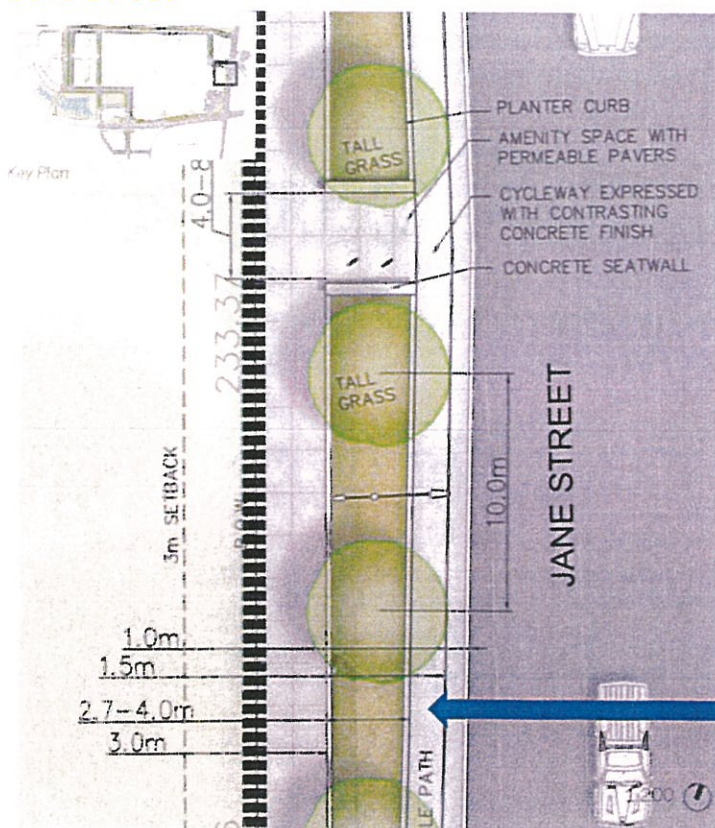
Circulation





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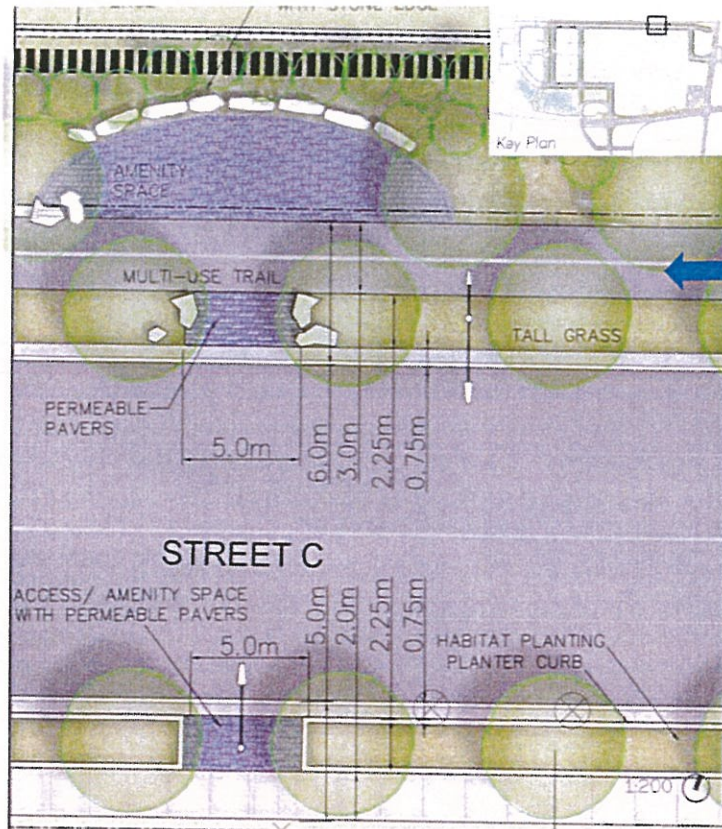
Regional Roads Jane Street



Cycle Track
within Boulevard

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Street C



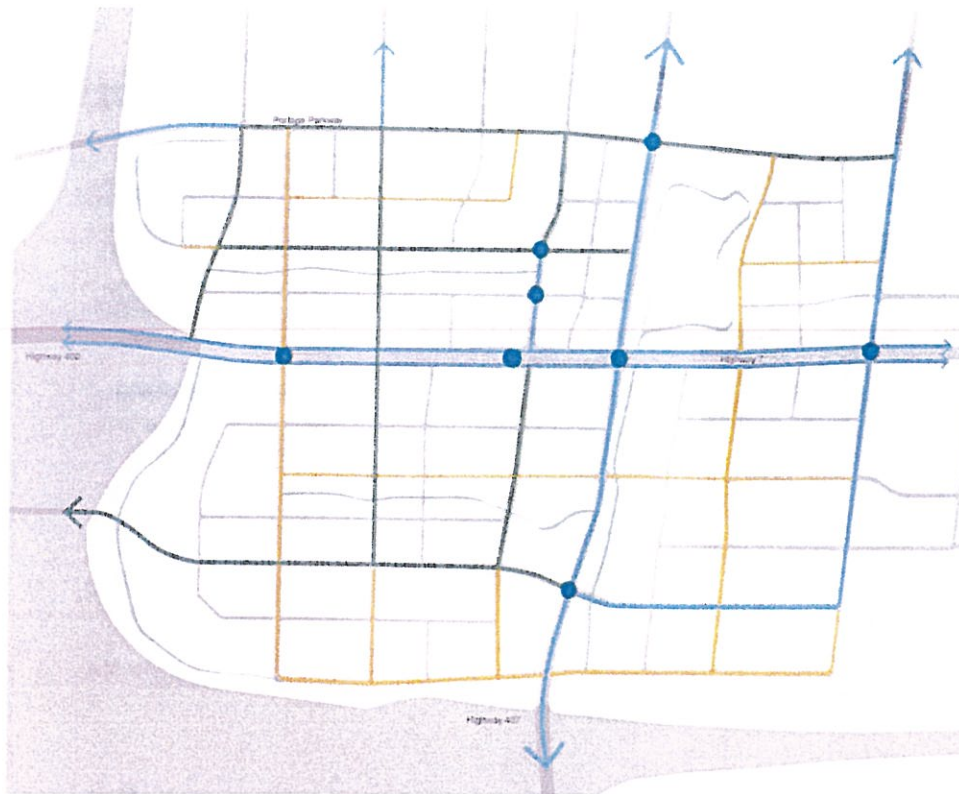
Multi Use Trail
within Boulevard



Agricultural Character

VAUGHAN METROPOLITAN CENTRE STREETSCAPE + OPEN SPACE PLAN



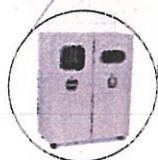
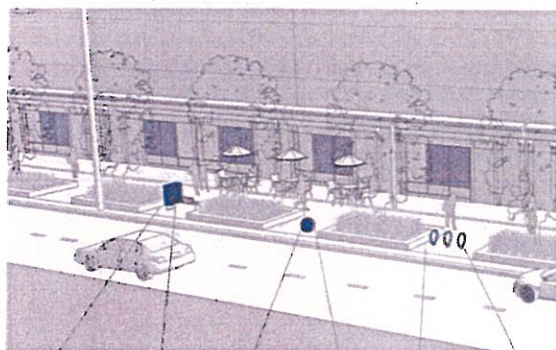


LEGEND

- CYCLE FACILITIES (on-road)**
 - Cycle Track
 - Bicycle Lane
 - Signed Route
- CYCLE FACILITIES (off road)**
 - Multi-use Pathway (potential)
- Rapidway Stations

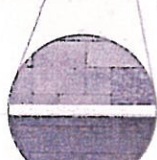
Cycling Network

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Waste Receptacles

Manufacturer: Landscape Forms
 *for approved equivalent
 Style: Select Letter Receptacle (double unit, solid body, perforated doors)
 Material: Powdercoated Metal
 Colour: Silver (body, door), Black trim ring, signage plate



Paving

Specialty Paving Field Palette
 Manufacturer: Unilock
 *for approved equivalent
 Series: Unibriano
 Colour: Winter Marvel
 Specialty Paving Accent Palette
 Manufacturer: Unilock
 *for approved equivalent
 Series: Unibriano
 Colour: Midnight Sky



Bike Racks

Manufacturer: Landscape Forms
 *for approved equivalent
 Style: Ring Bike Rack
 Material: Powdercoated Metal
 Colour: Silver



Streetscape Lighting

Manufacturer: Philips LUMEC
 *for approved equivalent
 Style: Capella
 Pole Type: Straight Round Pole



Streetscape Bench

Manufacturer: Landscape Forms
 *for approved equivalent
 Style: Neolomantico Bench
 Material: Metal / Wood
 Colour: Aluminum Finish / Jarrah Wood



Bollards

Manufacturer: Landscape Forms
 *for approved equivalent
 Style: Sentinel Bollard
 Materials: Powdercoated Metal
 Colour: Silver

General Public Realm Guidelines

- Provide generous furnishings and amenities to create a comfortable and enjoyable pedestrian and cycling experience for all ages and abilities
- All design components should be of high quality contemporary design and materials
- Each material should be authentic to its nature
- Group streetscape furnishings in clusters when advisable to reduce visual and physical clutter
- Street furnishings should be coordinated to avoid conflict with building at-grade use, pedestrian cleanway, planting, utilities, driveways and crossings
- Furnishings should be comfortable and accessible for use throughout all four seasons
- Furnishings should be durable products that are resistant to weathering and vandalism, and be easily replaceable
- Site furnishings should be surfaced fixed with tamper-proof fixing systems
- The selection of sustainable products and materials is recommended
- For components containing wood, FSC Certified wood selections are recommended. The FSC label provides assurance that the raw materials in wood and paper products have come from sustainably managed forests where attention is given to ecological, social and economic aspects and bio-diversity is effectively protected



Streetscape Benches



Senses of Bicycle Stands

- bicycle frame and both wheels to be secured.
- The design of stands and racks should be space efficient, allowing many bicycles to be parked in a small area.
- If possible, locate stands and racks in a sheltered area to protect bicycles from the elements

Bicycle Locker

Bicycle Locker An enclosed and weather-protected locker or box in which a single bicycle can be placed and locked within. They are usually placed where numerous cyclists need parking for extended times. Bicycle lockers protect users and their bicycles from theft and vandalism.

- Bicycle lockers should be located at transit station entrances for all day protected storage.
- Bicycle lockers should be secured using a key, a combination code, or a coin or credit card operated lock.
- The design and material for lockers should be durable and be able to withstand regular use and intense weather conditions.
- The design should support the bicycle upright and prevent it from tipping over within the storage unit.
- Bicycle lockers should be placed to have adequate door clearance so there is no conflict with pedestrians or parked vehicles.
- Bicycle lockers should be located as close as possible to building entrances without inhibiting pedestrian flows, and be clearly visible along major building approach lines.
- Coordinate with YRRTC or the appropriate transit authority

Bicycle Stations

Bicycle Station A building or structure designed as a high capacity secure long-term bicycle parking facility.

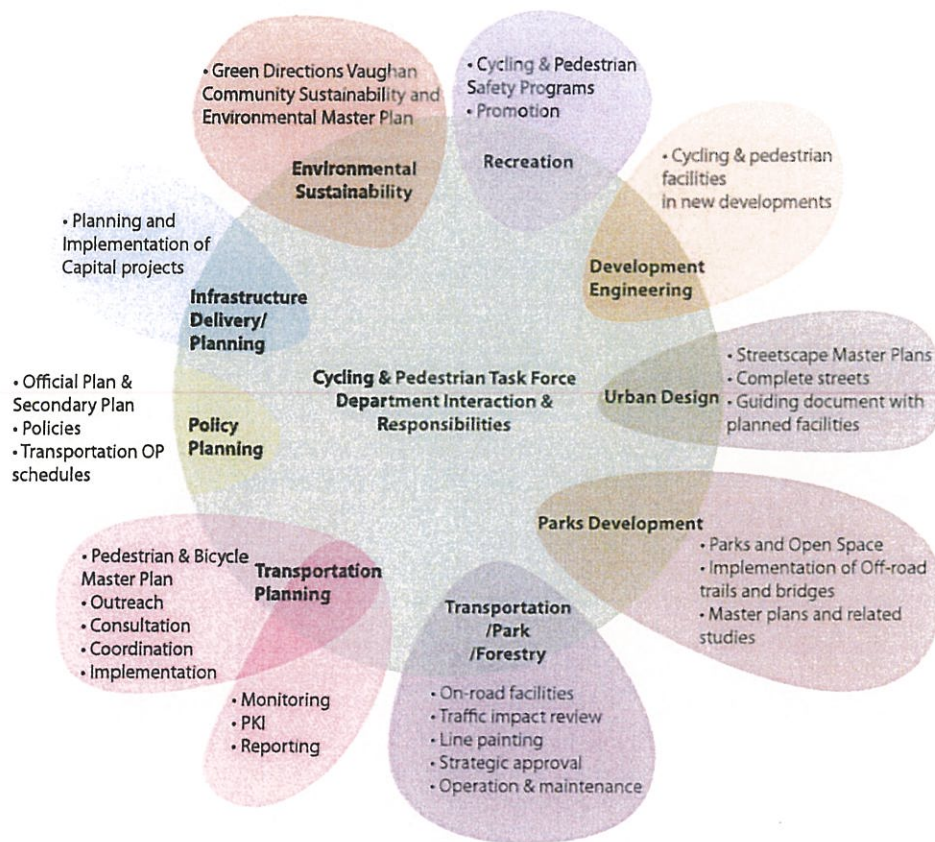
- Bicycle stations should be considered in proximity to major transit hubs, educational campuses, and high-density employment areas (i.e. near land uses that generate a very large number of trips)
- Bicycle stations may be standalone structures, either above ground or underground, or may be placed within another structure, such as an existing garage or building
- Bicycle stations may offer additional facilities such as bicycle repairs. Such facilities may be developed in partnership with private sector development.
- Coordinate with YRRTC or the appropriate transit authority

Waste and Recycling Receptacles

- Waste and recycling receptacles are provided within enhanced and premium level of service streetscapes, following the City-Wide Streetscape Implementation Manual.
- Receptacles should be two streams for waste and recycling.
- Receptacles should be durable and easy to use for people under the most extreme environmental conditions.
- Receptacles should have a front or rear hinged door for staff to unload waste and recycling without lifting, with interior bins easily washable.
- Receptacles should be weatherproof, including a top that prevents weather from entering the bins
- The design, material, colour and graphics of receptacles should be vandal-proof against destruction and defacing.
- Solar powered compactor type models may be considered for future implementation.



Cycle Track on Millway Avenue



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What We Need

1- Update Pedestrian & Bicycle Master Plan (including Implementation and Prioritization Strategy).

2- Develop Sustainable Funding model for an implementation strategy.

3- Develop Public Outreach and Awareness (Promote and Celebrate Successes and Achievements).

4- Develop a Pedestrian and Bicycle system that is integrated with all City and Public Facilities (Parks, Open Space, Community Buildings, Transit, etc....)

