



VCF Vaughan Cycling Forum

Monday, March 18, 2013

7-9pm

Vaughan City Hall



Introduction

- Inaugural VCF meeting was held on April 11, 2012
- Feedback on the needs of the cycling community:
 1. Need for better connected cycle network
 2. Need for bike lanes and paved shoulders
 3. Need for cycling events to encourage cycling

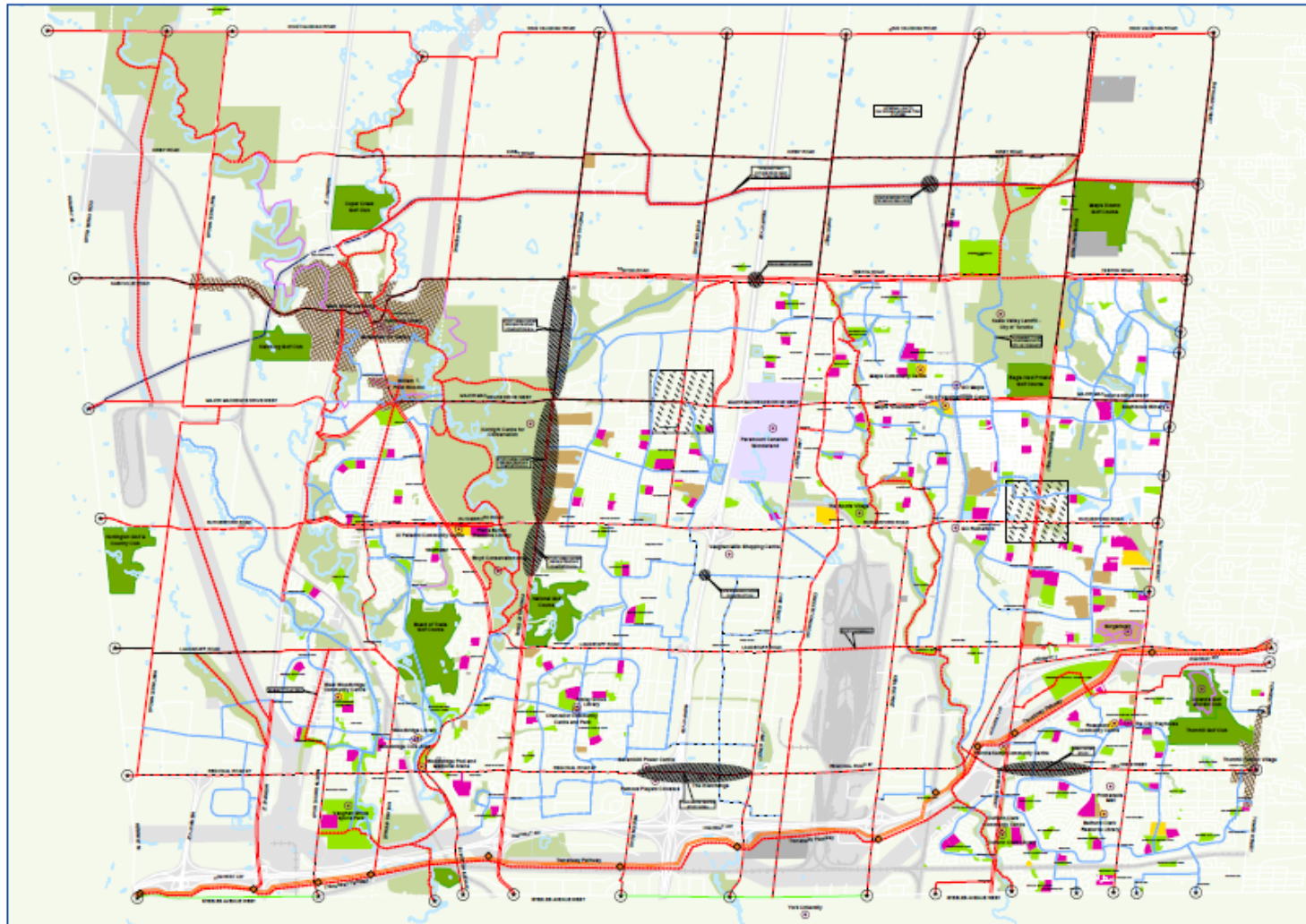


Agenda

1. Introduction
2. Cycling in Vaughan Today
3. Types of Cyclists
4. Cycling Needs
5. Closing Remarks



Pedestrian and Bicycle Master Plan



MAP 4 PEDESTRIAN AND BICYCLE NETWORK: FACILITY TYPES

Class 1 Multi-use Recreation or Boulevard Pathway

- Community Multi-use Recreational Pathway (CMRP)
- Neighbourhood Multi-use Recreational Pathway (NMRP)
- Community Multi-use Boulevard Pathway (CMBP)

Class 2 Bike Lane / Paved Shoulder / Sidewalk

- Community Bike Lane - Formal pavement marking and signing (CL - NO WOODS/NO)2
- Community Bike Lane - Formal pavement marking and signing (CL - WOODS/NO)2
- Neighbourhood Bike Lane - Formal pavement marking and signing (NL - NO WOODS/NO)2
- Neighbourhood Bike Lane - Formal pavement marking and signing (NL - WOODS/NO)2
- Community Paved Shoulder/Blaney - Signed as bike route (CSB)

Class 3 Bicycle Signed Route / Sidewalk

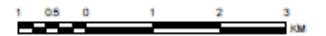
- Neighbourhood Signed Bike Route - No formal facility or pavement markings (SR)
- Community Signed Bike Route - No formal facility or pavement markings (CR)

Class 4 Trail Facility

- Pathway / Hiking Trail

Network Features

- Gateway
- Key destination
- Heritage Area
- District Centre
- Area Under Study
- Community Centre
- School
- Park
- Open Space
- Golf Course
- Woods
- Canalway
- Parliament Canada's Woodland
- Storm Water Management Area
- Hydro Utility Corridor
- Trans-Canada Pipe Line
- Proposed City of Toronto Bike Facility
- Proposed A17 Transitway
- Proposed A17 Transitway Station



City of Vaughan Existing On- and Off-Road Cycle Facilities

Legend



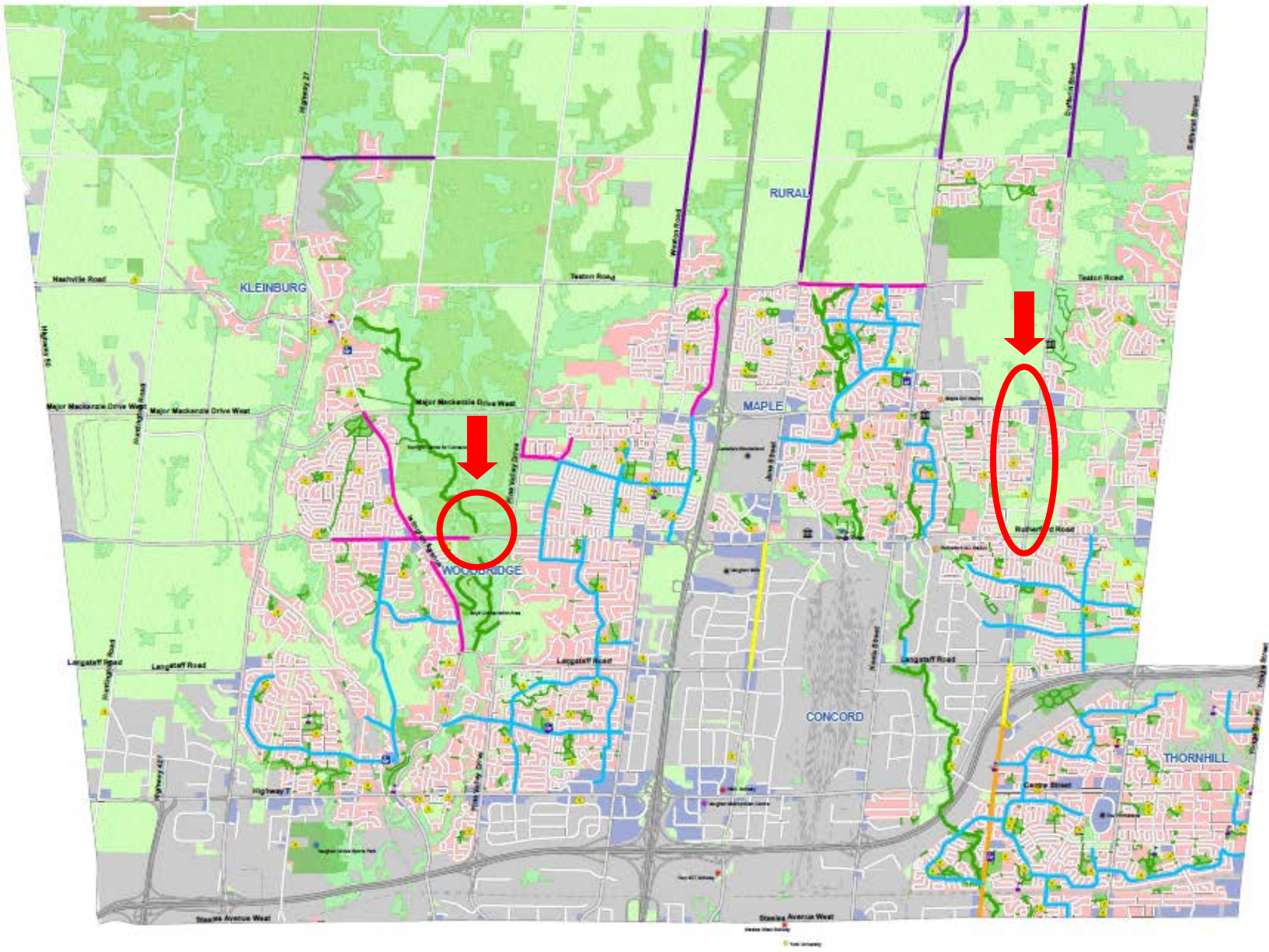
- On-Road Cycle Facilities**
- Signed Routes
 - Bike Lanes
 - Boulevard Pathways
 - Paved Shoulders
 - Shared Roadways

- Off-Road Cycle Facilities**
- Pathways
 - Greenways

- Destinations**
- City Offices
 - Community Centres
 - Schools
 - Library
 - Commercial
 - Green Space
 - Recreation
 - GO Station
 - Subway Station

- Land Uses**
- Parks
 - Forest
 - Green Belt
 - Green Space
 - Industrial
 - Commercial
 - Residential

NB: Some pathways may not be shown on the map
NB: Not all off-road facilities support cycling



Humber Trail



McMichael Art Collection

Source: Fieldgate Homes





EAST HUMBER RIVER

EXISTING MULTI-USE TRAIL

NEW MULTI-USE TRAIL TO BE CONSTRUCTED 2013

RUTHERFORD ROAD

NEW BRIDGE TO BE CONSTRUCTED 2013

EAST HUMBER RIVER

WILLIAM GRANGER GREENWAY

EXISTING MULTI-USE TRAIL


NEW BRIDGE TO BE CONSTRUCTED 2013

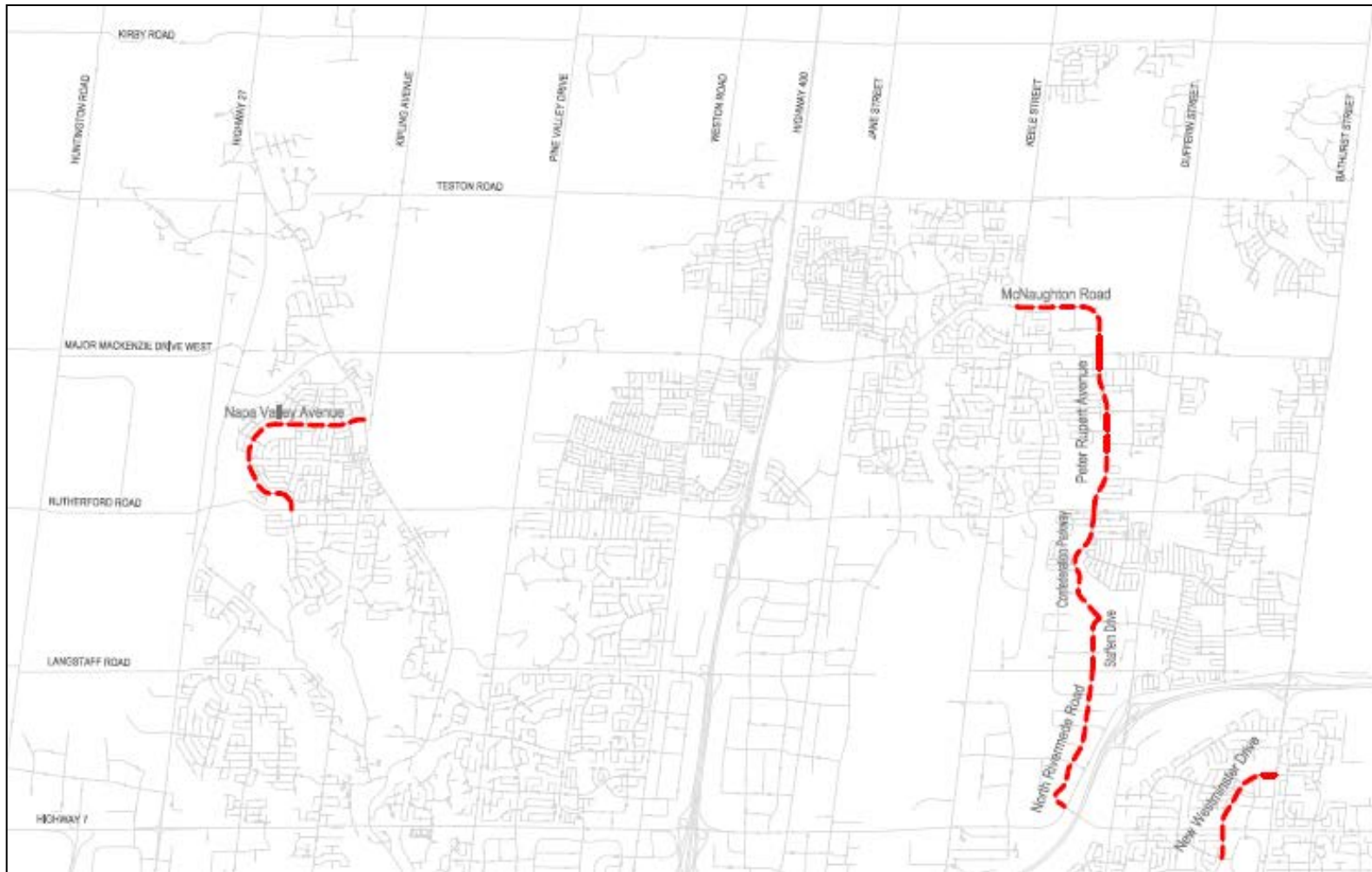
TRAIL CONNECTION TO BOYD CONSERVATION AREA

2013 CONSTRUCTION PARKS DEVELOPMENT

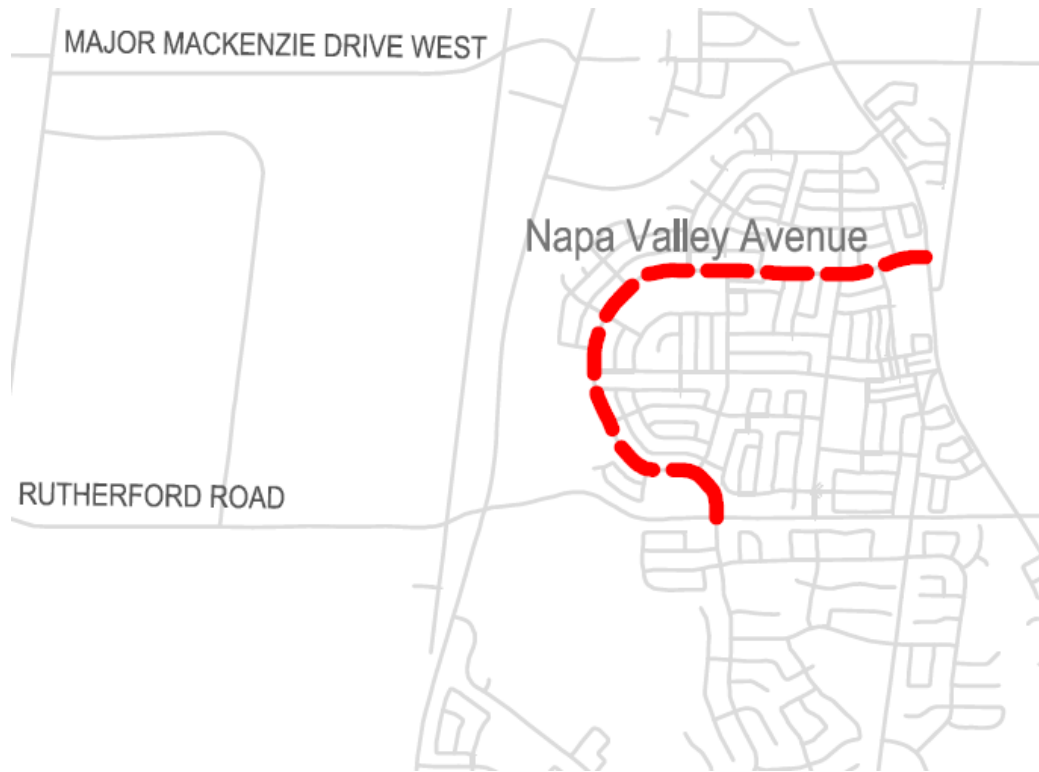
Upcoming Consultations – Subject Corridors

LEGEND

-  Cycle Facilities (as per Pedestrian and Bicycle Master Plan)



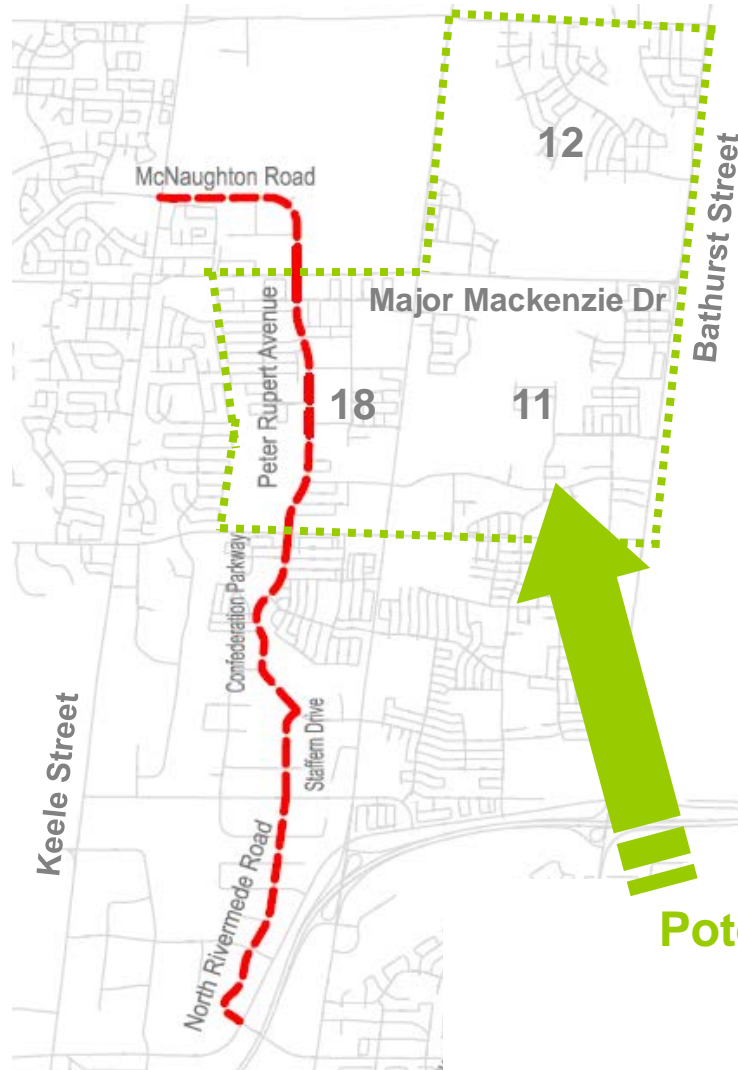
Upcoming Consultations – Corridor 1



Upcoming Consultations – Corridor 2



Upcoming Consultations – Corridor 3



Potential cycle network refinements

2014-16 Draft Capital Plan

Pedestrian and Bicycle Network Implementation Program

- Rolling program of new cycle facilities
- Approximately 5-10km/year
- Corridors/facilities to be determined

The 'Five Es' of Cycle Planning

1. **Engineering** – Physical environment
2. **Education** – Both cyclists and motorists
3. **Encouragement** – Promotion, events, route finding, commuting incentive, active/safe routes to school
4. **Enforcement** – Targeted enforcement, police on bikes, by-laws that promote safety
5. **Evaluation & Planning** – Current programs, future planning: measuring cycling now; collision rates, plans for improvement

The 'Five Es' – Engineering



Source: Stratford Beacon Herald

The 'Five Es' – Engineering

- Physical environment
- What is on the ground; what has been built to promote cycling

Vaughan

- On-road facilities (signed routes, boulevard pathways and paved shoulders)
- Off-road facilities (greenways and pathways)
- Cycle parking

York Region

- On-road facilities (bike lanes, shared roadways, Lake to Lake Cycling Route)
- Buses equipped with bicycle racks
- Bike racks at Viva stations and transit terminals
- New traffic signals will provide automated cyclist detection

The 'Five Es' – Education



Source: CAN-BIKE

The 'Five Es' – Education

- Teaching cyclists and motorists about the importance of cycling as a transportation choice; cycling safety skills; safety campaigns

Vaughan

- CAN-BIKE training courses for children and adults

York Region

- CAN-BIKE training courses (900 students trained last year)
- Education materials and training videos (www.york.ca/cycling)
- Cycling map contains cycling safety information
- Bike helmet safety workshops featuring jello brain
- 'Cycle Smart' safety campaign (York Regional Police)

Other Organizations

- Share the Road brochure and radio ads (Haliburton Highlands Cycling Coalition)

The 'Five Es' – Encouragement



Source: SmartCommute Mississauga

The 'Five Es' – Encouragement

- Promotion activities, events, route finding, commuting incentive, active/safe routes to school

Vaughan

- Active Routes are the Way to Go School Program
- Bike to Work Day
- City website (www.vaughan.ca/cycling)
- Vellore Village Skate Park

York Region and Other Municipalities

- York Region EMS Bike Unit at special events
- York Region Cycling Map (www.york.ca/cycling)
- Markham Cycling Map
- Markham Giro Bicycle Race
- Richmond Hill Shift Gears initiative (website, cycling map, and events)

The 'Five Es' – Enforcement



Source: yorkregion.com

The 'Five Es' – Enforcement

- Connections between the cycling and law enforcement communities
- Targeted enforcement to ensure laws are obeyed, police on bikes, by-laws that promote safety

Vaughan

- City by-law officers on bikes

York Region

- Community Policing with Bike Mounted Patrols
- York Regional Police Bike Registration Program

Other Municipalities

- Sidewalk Cycling Education and Enforcement Initiative (City of Ottawa)

The 'Five Es' – Evaluation & Planning



Source: Urban Commuter

The 'Five Es' – Evaluation & Planning

- Systems in place to monitor current programs and plan for the future
- Current programs, future planning: measuring cycling now; collision rates, plans for improvement

Vaughan

- Pedestrian and Bicycle Master Plan
- Transportation Master Plan Monitoring Program

York Region

- Pedestrian and Cycling Master Plan
- Adding cyclist counting to permanent count stations

Other Municipalities

- Bicycle/Motor Vehicle Collision Study (Toronto)
- Active Transportation Benchmarking Program (Hamilton)
- Laurier Avenue Segregated Bike Lanes before and after monitoring (Ottawa)

Types of Cyclists



Source: blogTO

**Strong
and
Fearless**



Source: CHFI

**No Way
No How**



Source: CBC news

**Types
of
Cyclists**

**Enthused
and
Confident**

**Interested
but
Concerned**

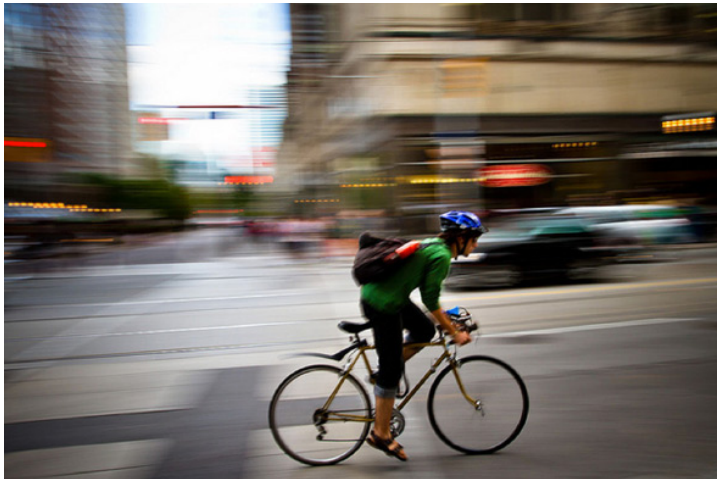


Source: Stratford Beacon Herald



Types of Cyclists – Strong and Fearless

- Cyclists who will ride regardless of roadway conditions
- Advanced; frequent cyclists
- Destinations include workplaces and shops for commuter cyclists, rural roads for recreational cyclists
- No specific cycle facility or encouragement needed



Source: blogTO

Types of Cyclists – Enthused and Confident

- Cyclists who are comfortable sharing the roadway with cars, but prefer cycle facilities
- Novice/intermediate cyclists
- Mostly occasional riders, some are regular cyclists
- Destinations include workplaces for commuter cyclists; trails for recreational cyclists
- Cycle facilities of choice: Bike lanes, shared roadways, and off-road facilities
- ‘Encouragement’ would increase ridership



Source: CHFI

Types of Cyclists – Interested but Concerned

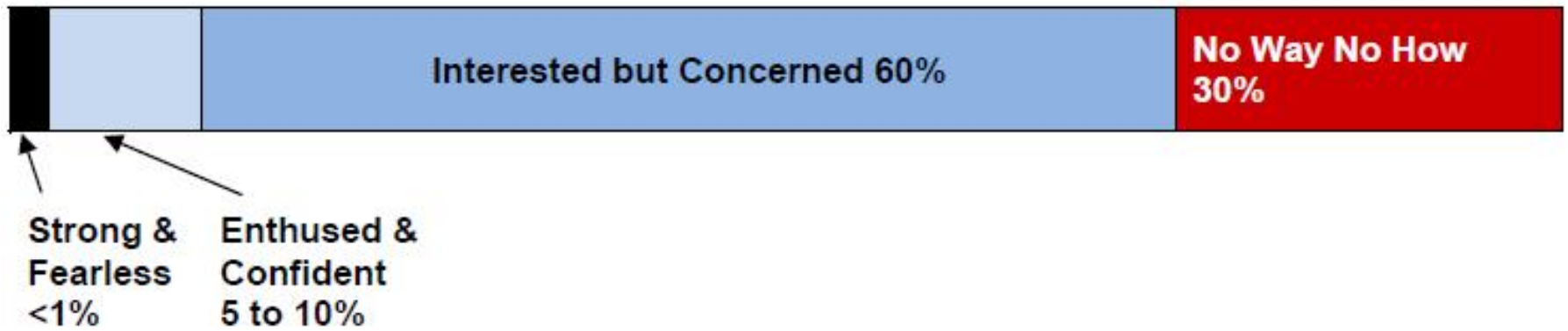
- People who are curious about cycling, but very few regularly ride bikes
- Would like to ride more, but afraid to share the roadway with cars
- Beginner/Novice cyclists
- Sidewalk riders
- Avoids arterial roads
- Cycle facilities of choice: Prefer off-road pathways and trails where possible; bike lanes, signed routes
- Destinations include trails, parks and community centres for recreational cyclists; sometimes workplaces for commuter cyclists
- ‘Education’ and ‘Encouragement’ would increase ridership

Source: Stratford Beacon Herald



Types of Cyclists

➤ What type of cyclist are you?



Types of Cyclists – Group Discussion

- Is the cyclist type breakdown for VCF participants reflective of Vaughan's 300,000 residents?
- How can we be sure our assumptions for Vaughan's population are accurate?
- Where are we underrepresented, and how do we reach out to those who are not here tonight?
- Where do you see Vaughan in 10 years time?

Cycling Needs

Breakout Group Discussion (Part 1): Destinations

- What are the cycle destinations within and surrounding this area/community?
 - What do you want to do with your bicycle, and how do you want to get to these destinations?
 - What types of cycle facilities are needed to get to these destinations and create a 'better connected network'?
 - Where do you want to see these cycle facilities (e.g. on- or off-road)?

Cycling Needs

Breakout Group Discussion (Part 2): Needs

- What are the demographics for residents/employees of this area?
- What are your cycling issues, needs and desires in terms of the Five Es of cycle planning?
- Recognizing the City has \$X/year, what does this community need in the next 5 years? What are your cycling issues, needs and desires?

Concluding Thoughts

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