

# Cycling Study Update

Status to Development Services Committee  
(June 6, 2006)

Phase I Bike Spine Network Implementation  
Phase II Bike Implementation Study



# Background – November 29, 2005 Resolution

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- That the revised Phase I Implementation: Spine Network be endorsed
- That subject to the 2006 Budget, staff be authorized to tender Phase I Bicycle Spine Network
- That subject to tender price, staff be authorized to construct, in whole or in part, Phase I Bicycle Spine Network for opening early summer of 2006



# **Cycling and Pedestrian Advisory Committee (CPAC)**

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- CPAC formed in May 2004 (8 meetings held)
- Mandate: "To advise staff of various departments and Council on the design, development and delivery of cycling and pedestrian policies, programs and facilities to promote and enhance cycling and walking in Markham"
- Members consists of Council members, residents, agencies, Town committee representatives, and Staff



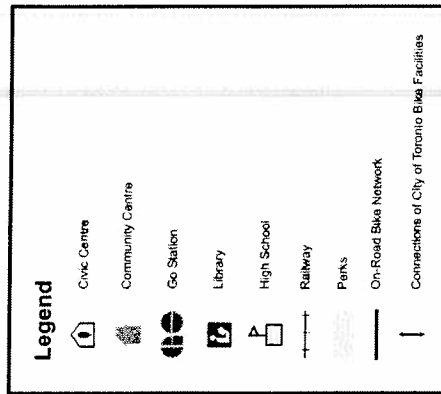
# Phase I Bicycle Spine Network Implementation

| Facility Type                      | Proposed (km) |
|------------------------------------|---------------|
| Signed Routes (shared)             | 97.9          |
| Bike Lanes                         | 12.1          |
| <b>Total Phase I Spine Network</b> | <b>110</b>    |

- Bike signage purchased, stored in Miller Yard
- Installation tender call end of April, award end of May, construction Summer 2006
- Phase I funded under the 2005/2006 Capital Budget (\$325,000)
- Marketing of Phase I in Summer 2006



# Phase I Bicycle Spine Network

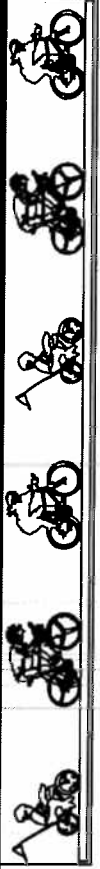
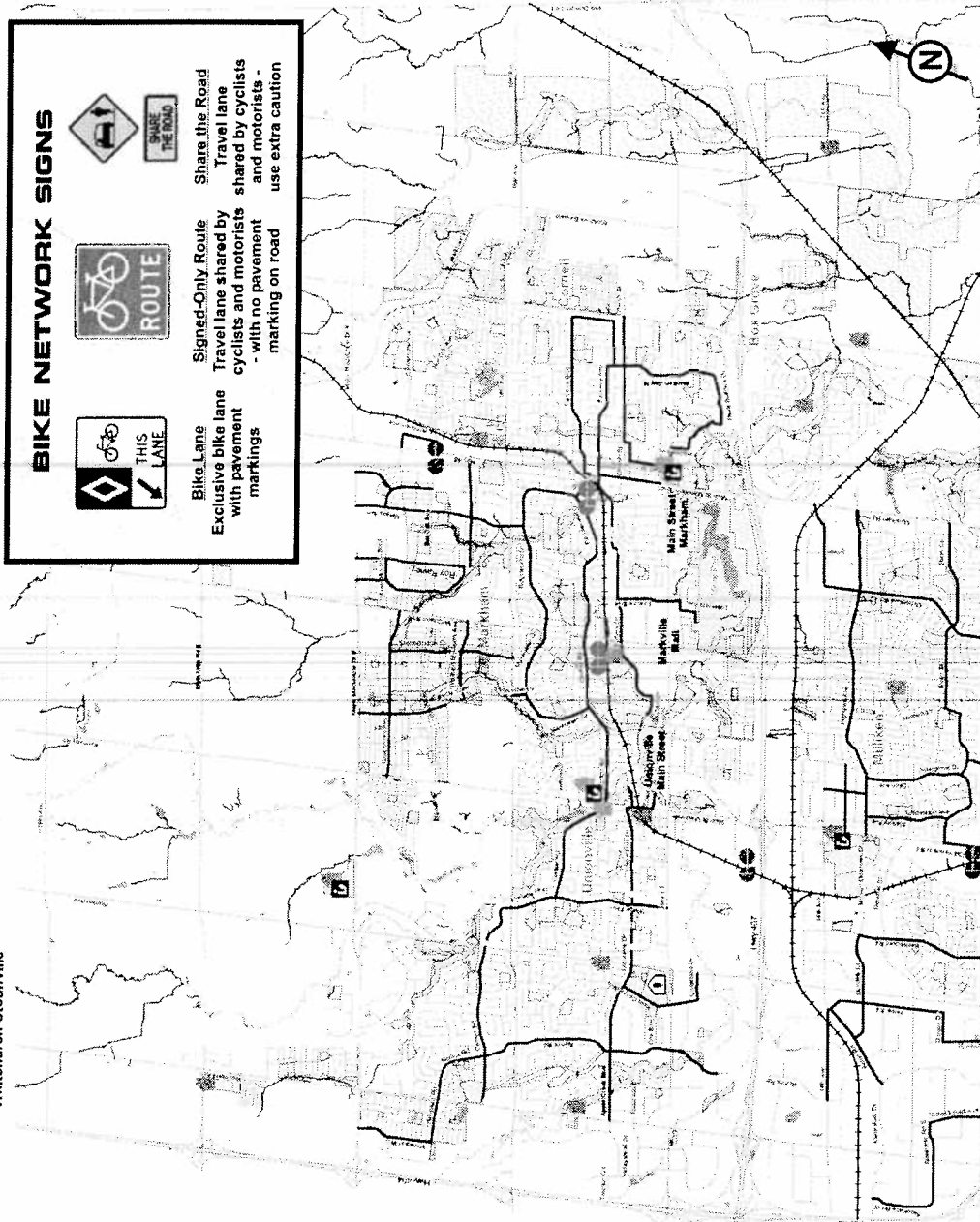
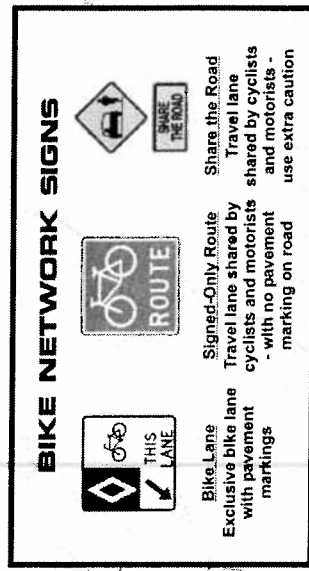


Whitchurch-Stouffville

Richmond Hill

Toronto

Vaughan



# Phase II Bicycle Implementation Study

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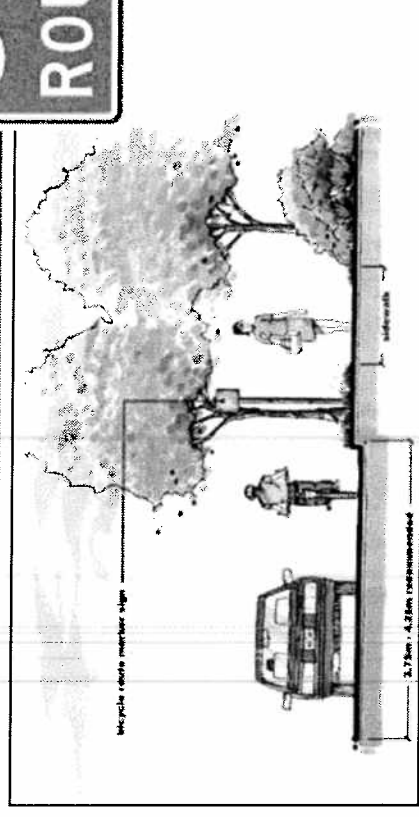
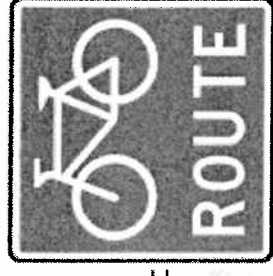
- Phase II Bicycle Implementation Study will build on the Phase I Spine Network to develop a long term strategy for bicycle facility implementation. The Phase II study will identify a detailed Town-wide network with implementation timing for the next 10 years (subject to budget approvals)
- Town awarded Phase II Bicycle Implementation Plan, project initiated October 2005
- CPAC reviewed and endorsed the Recommended Draft Network (attached)
- Seeking Council endorsement to hold public information meeting (on June 29) to advise and get comments from the public



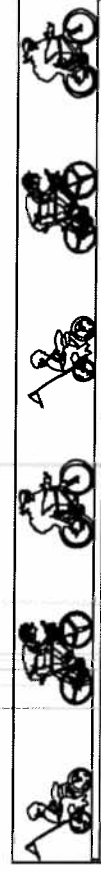
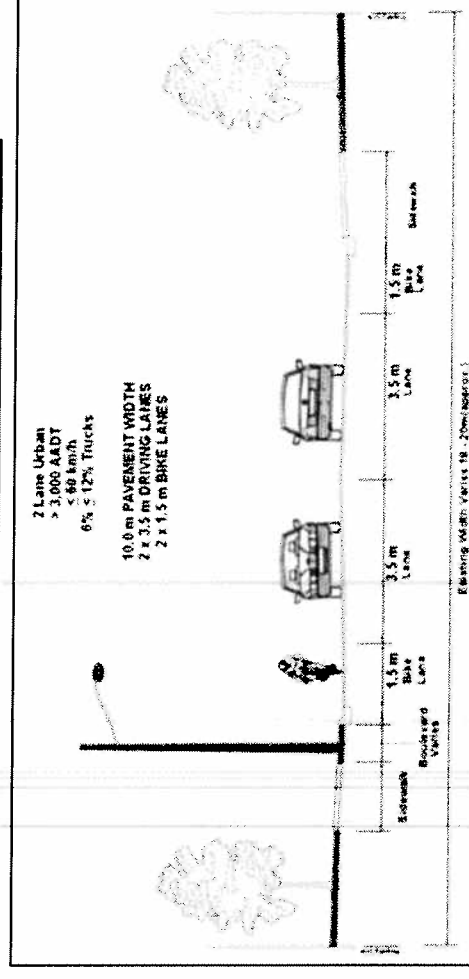
# Phase II Bike Implementation Plan

## Facility Types

- Sign Only On-Road Bicycle Routes (79.1 km)



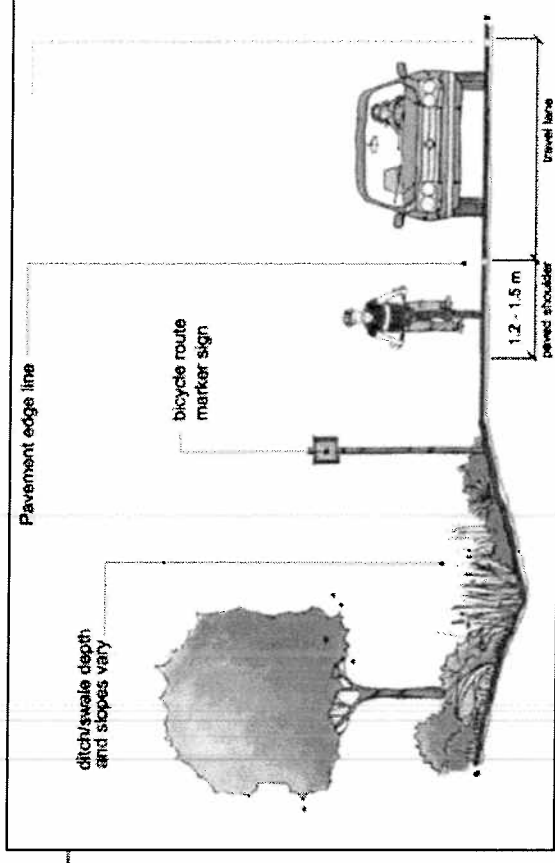
- Bike Lanes (82.2 km)



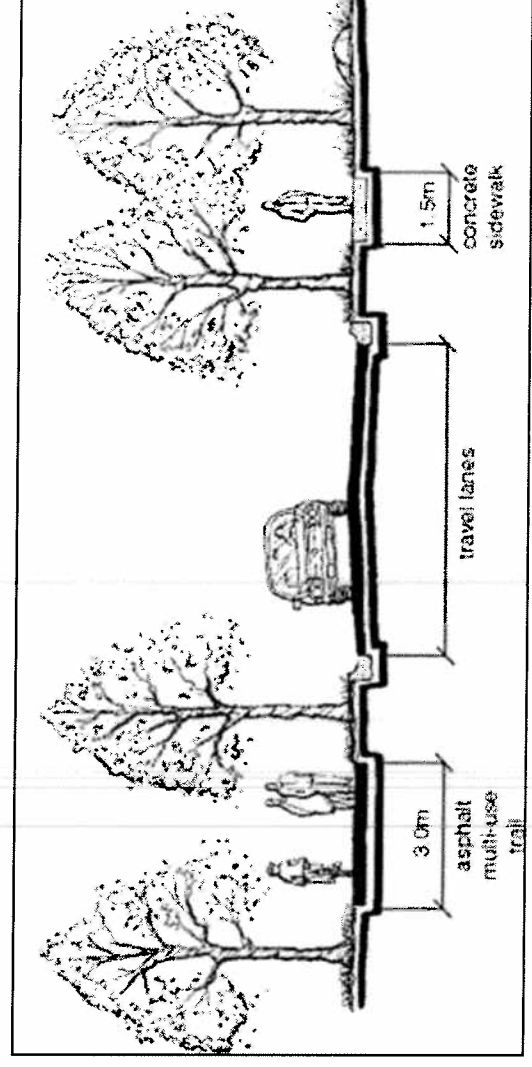
# Phase II Bike Implementation Plan

## Facility Types

- Shoulder Bikeways  
(52.5 km)



- Multi-Use Trails  
(45.4 km)





# Phase II Bicycle Implementation Plan – DRAFT NETWORK



Draft Routes by  
Facility Type

- Existing**
- Municipal Boundary
  - Existing trail underpass
  - Gateway to existing or proposed Municipal bike networks
  - Roads
  - Trails
  - Railway
  - Airport runway
  - Park and Open Space
  - Schools
  - Hydro corridor
  - High school
  - Elementary school
  - Community Centre
  - Library
  - Go Station

## Proposed Network

**Phase 1 Implementation  
(2006 / 2007)**

- Signed-only Route
- Bike Lane
- Off Road (Boulevard Trail)

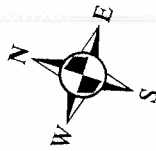
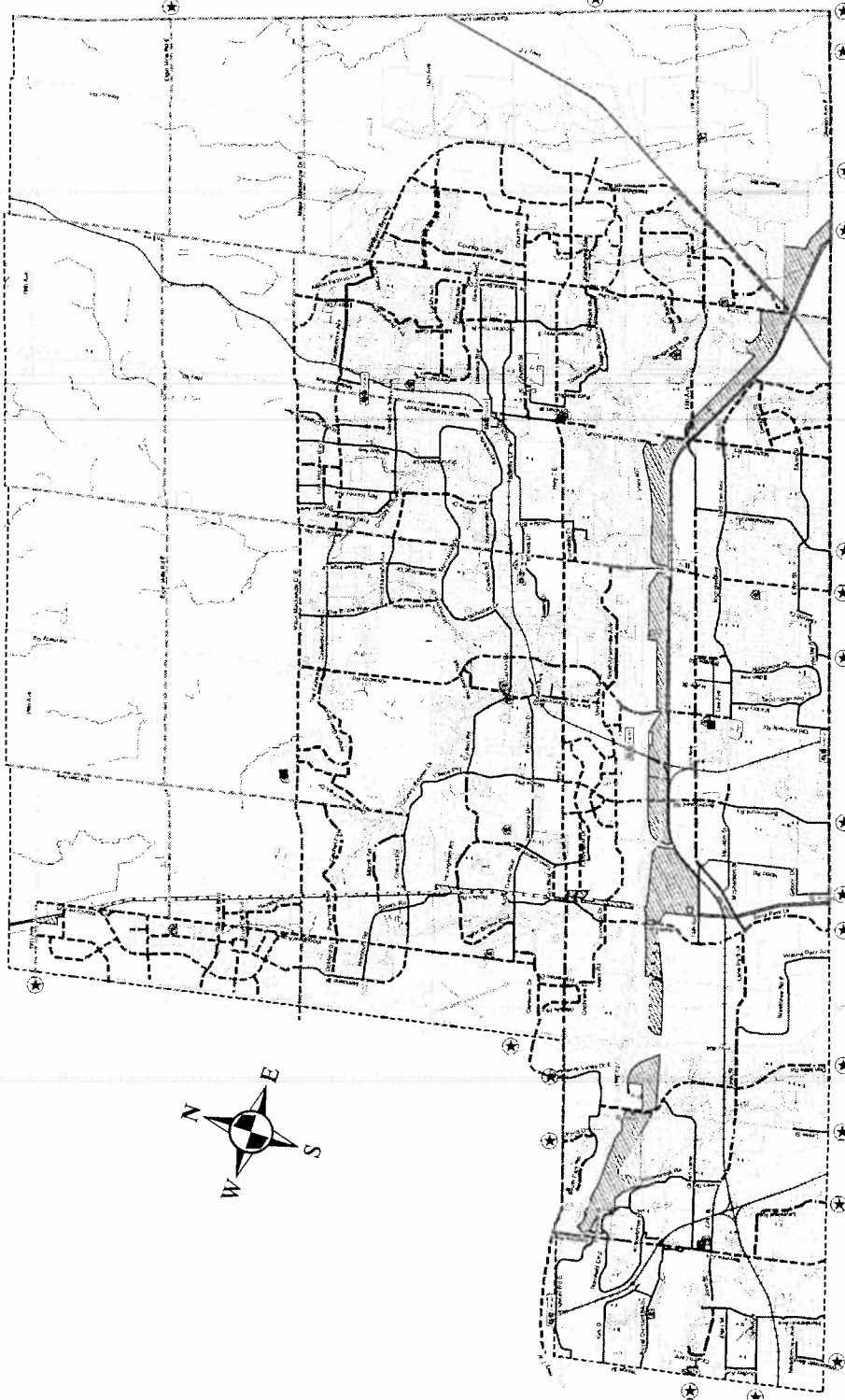
**Phase 2 Implementation  
(2007 - 2021)**

- Paved Shoulder Bikeway
- Signed-only Route
- Bike Lane
- Off Road (Boulevard Trail)
- Trail in Utility/Greenway Corridor

**Note:**  
All Off Road are alignments outside of road right-of-way to be confined through Town's Recreational Trail and Pathway Study.  
The proposed Off Road (Boulevard Trail) alignments are shown for information purposes only.  
Trails and it is shown for information purposes only.

**Draft  
For Discussion Purposes Only**

May 1, 2006



# Phase II Bike Implementation Plan

## Summary of Bike Facilities

| Facility               | Jurisdiction | Phase I       |       | Phase II      |      | Ultimate     |      |
|------------------------|--------------|---------------|-------|---------------|------|--------------|------|
|                        |              | Distance (km) | %     | Distance (km) | %    | Total (km)   | %    |
| Signed Bike Routes     | TOM / Other  | 96.8          | 99 %  | 64.1          | 81 % | 160.9        | 91 % |
|                        | ROY          | 1.1           | 1 %   | 15.0          | 19 % | 16.1         | 9 %  |
|                        | <b>Total</b> | <b>97.9</b>   |       | <b>79.1</b>   |      | <b>177.0</b> |      |
| Bike Lane              | TOM / Other  | 12.1          | 100 % | 42.6          | 52 % | 54.7         | 58 % |
|                        | ROY          | 0.0           | 0 %   | 39.6          | 48 % | 39.6         | 42 % |
|                        | <b>Total</b> | <b>12.1</b>   |       | <b>82.2</b>   |      | <b>94.3</b>  |      |
| Paved Shoulder Bikeway | TOM / Other  | 0.0           |       | 15.0          | 29 % | 15.1         | 29 % |
|                        | ROY          | 0.0           |       | 37.5          | 71 % | 37.5         | 71 % |
|                        | <b>Total</b> | <b>0.0</b>    |       | <b>52.5</b>   |      | <b>52.5</b>  |      |
| Multi-Use Trail        | TOM / Other  | 0.3           | 21 %  | 2.8           | 6 %  | 3.1          | 7 %  |
|                        | ROY          | 1.1           | 79 %  | 42.6          | 94 % | 43.7         | 93 % |
|                        | <b>Total</b> | <b>1.4</b>    |       | <b>45.4</b>   |      | <b>46.8</b>  |      |
|                        | <b>Total</b> | <b>111.4</b>  |       | <b>259.2</b>  |      | <b>370.6</b> |      |

Distances for Bike Lanes on Steeles Ave were not included in the above table since Steeles Ave is not part of Markham"

# Phase II Bike Implementation Plan

## Key Challenges

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- Phase I Implementation estimated \$325,000 (anticipated completion 2006)
- Current estimate for the Phase II Bike Implementation Plan is ±\$25 million (including both Town and Regional Roads; and funding by Town, Region and Developers) over the next 10 years
- \$0.875 million recovery for growth related costs included in the Town Wide Hard DC Bylaw
- Coordinate with the Region to incorporate Phase II recommendations into York Region Pedestrian and Cycling Master Plan
- Development of Implementation and Financial Strategy including tax / gas tax funding



# Council Update and Public Consultation

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- June 6, 2006
  - Update to Development Services Committee on Phase II Bicycle Implementation Study
- June 2006
  - Media release of Phase I Spine Network construction (Corporate Communication)
  - June 29 Public Information Meeting: Phase II Bicycle Implementation Study
- Fall 2006:
  - Update to Transportation Committee on the final Phase II Bicycle Implementation Study



# Recommendations

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- That this presentation be received;
- That staff be authorized to host a public information meeting in June 2006 to present the Bicycle Implementation Study



# Bicycle and Pathway Studies Update

Thank You

Questions?

