Vaughan Complete Streets Guide



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Communication

CW(WS) - January 24, 2024

Item No. 1

Council Working Session

DTAH, Traffic Calmer, LURA, HDR Wednesday Jan 24, 2024

Project Overview

Process





What are Complete Streets (CS)?

A Complete Street (CS) is designed for all ages, abilities, and modes of travel.

Safe and comfortable access for pedestrians, bicycles, transit users and people with disabilities is not an afterthought, but an integral planning feature.

Ensures that transportation planners and engineers consistently design and operate the entire street network for all road users, not only motorists.

www.completestreetsforcanada.ca











Why make Streets Complete?

95%

of pedestrian related collisions in Vaughan resulted in someone losing their life or being seriously injured while using streets in the City.

74%

of all collisions in Vaughan happen at intersections or are intersection-related.

Complete Streets (CS) = Safer Streets for all

Who's Involved: Engagement Activities

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Core Team

- Urban Design
- Infrastructure Planning & Engineering
- Transportation Planning & Engineering
- VMC Program
- Infrastructure Delivery



Technical Advisory Committee

City of Vaughan

- Development Planning (Urban Design Division)
- Policy Planning and Special Programs
- Infrastructure Planning and Corporate Asset Management
- Development Engineering
- Transportation and Fleet Management Services
- Parks, Forestry and Horticulture Operations
- Environmental Services
- VMC Program
- Infrastructure Delivery
- Others

York Region

- Planning and Economic Development
- Transportation Services
- Others

External

- TTC/Viva/Metrolinx/YRT/TRCA/
- Utility Providers

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Stakeholders & Public

- Residents/Ratepayers' Groups and BIAs
- Complete Streets/Transportation Advocates
- Local Developers and Homebuilders
- Regional and Agency Staff
- Residents of Vaughan
- Workers in Vaughan
- Visitors to Vaughan

Neighbouring municipalities:

- Markham
- Richmond Hill
- Toronto
- Brampton

What We've Heard: Key Messages

- Safety first for vulnerable users.
- Traffic calming.
- Continuous and dedicated cycling network.
- Enhanced streetscapes.
- Improved maintenance of streets.

- More traffic controls (four way stops, signals); improved timing (coordinated / time of day).
- On-street parking along Main Streets to support local retail.

Guide Overview

Vaughan Complete Streets Guide (VCSG) Process Change + Safety First

- City's reference for street design policies, process and techniques.
- Defines project delivery process to inform decisions and trade-offs in achieving Complete Streets.
- Illustrates potential applications of the Complete Streets approach.
- Provides guidance for street elements with designing for vulnerable users the highest priority.

Providing a safer user experience is the Guide's prime directive.

Vaughan Complete Streets Guide













INCOMPL

CHANG

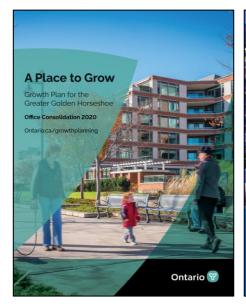
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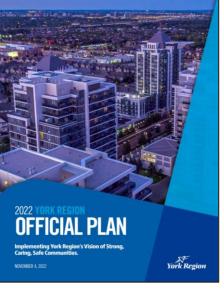
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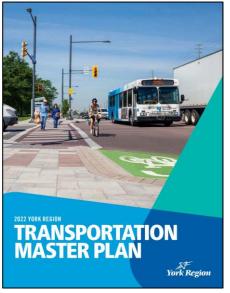
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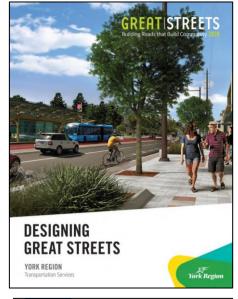
Policy Context

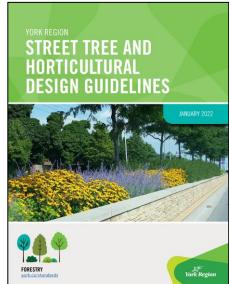


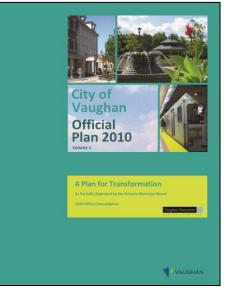


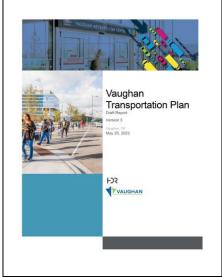


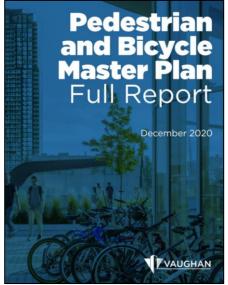


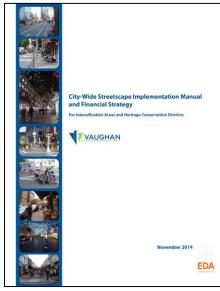




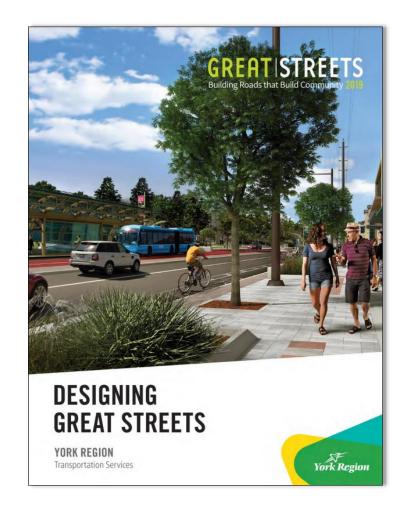


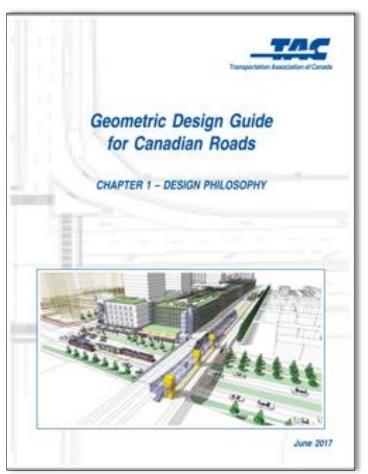


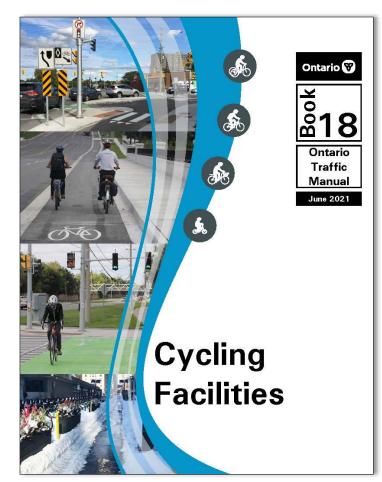




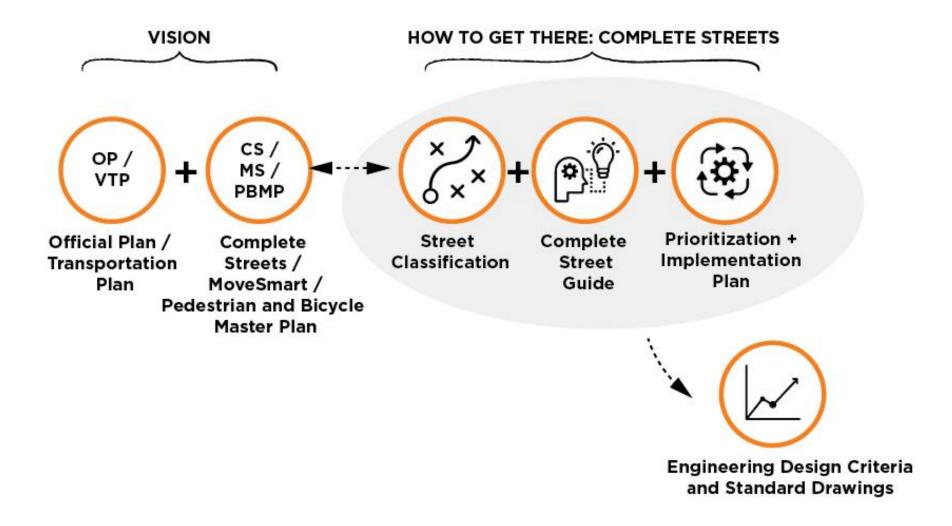
Recent Best Practices







Approach to the Guide



Guiding Principles









STREETS FOR A HEALTHY COMMUNITY

STREETS THAT SUPPORT EXISTING AND FUTURE CONTEXT

STREETS THAT REDUCE TRANSPORTATION NETWORK GAPS









SUSTAINABLE +
RESILIENT STREETS

STREET AS PLACES

ADAPTABLE + FUTURE READY STREETS

STREETS THAT SUPPORT A VIBRANT ECONOMY

What's New in the VCSG?

- Greater emphasis on safe movement of people (pedestrians, cyclists and vulnerable users) along with goods and vehicles.
- Guidance on improving existing project processes, oversight and compliance to embed the CS approach.

 Updated criteria from best practices like the Transportation Association of Canada (TAC), the Ontario Traffic Manual (OTM), and the National Association of City Transportation Officials (NACTO).

VCSG Content

VCSG includes five chapters and appendices to help guide the planning, design and delivery of Complete Streets in Vaughan from two perspectives:

- Process: what Complete
 Streets will accomplish
- Product: what Complete
 Streets deliver when following
 a CS process

THE PROCESS





COMPLETE STREETS WILL:

Lead to a culture shift and change the 'DNA' of Street Design in Vaughan

Bring a holistic lens to street design

Integrate multiple points of view in the planning, design, construction, operation, and maintenance

Integrate social, economic and environmental priorities within street planning and design

Emphasize context-sensitive, multi-modal project planning, design, and implementation

Help prioritize the many demands placed upon Vaughan's streets

Help prioritize and scope projects for advanced planning

THE PRODUCT





COMPLETE STREETS ARE:

The result of a Complete Streets process

Unique and respond to their context

Not a template or standard

Safe and equitable places that support the needs of people first

Part of networks that offer mobility choice

A major input to support active, healthy and complete communities

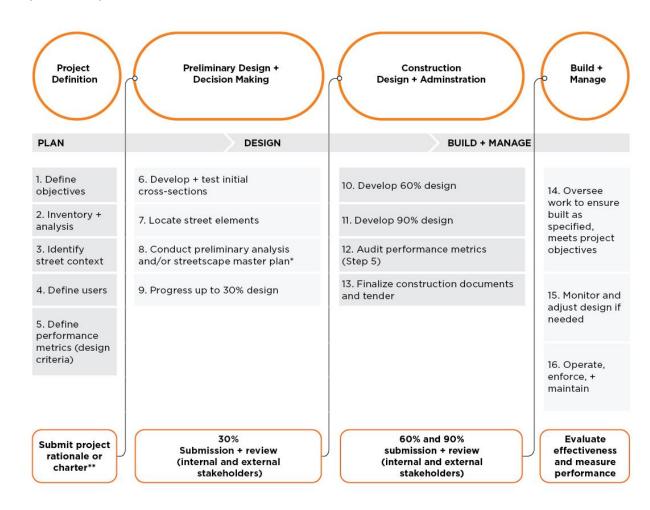
Important for the economic health of both businesses and residents

Flexible, adaptable, and resilient

Constantly learning and evolving

PROCESS: Project Delivery Process (PDP)

- Step-by-step description of how the project team will integrate CS into each stage of project.
- Is primarily written for Capital and Development Projects but can be applied to all project types.
- This workflow represents an ideal circumstance and can adapt to different projects and situations.



Notes:

- *City to confirm when streetscape masterplans are applicable.
- **City to confirm if and when project charters are used.

DEMONSTRATIONS: Collector to Collector (Intensification)

Existing

CHAPTER 3 CITY OF VAUGHAN COMPLETE STREETS GUIDE CITY OF VAUGHAN COMPLETE STREETS GUIDE INTENSIFCATION: COLLECTOR TO COLLECTOR INTENSIFCATION: COLLECTOR TO COLLECTOR **EXISTING CONDITIONS** INTENSIFICATION: 3.4 1 4+ lanes **COLLECTOR TO COLLECTOR** 2 Large corner radii The intersection of two collector streets is common. As the level of traffic increases in Vaughan, collectors 3 Typically no bike facilities begin to resemble arterials. Usually, a collector is 4 Simple crosswalks the primary route out of a neighbourhood, and it is used by all ages, abilities, and modes. 5 Typical traffic signal 6 Near-side bus stop **EXISTING TYPICAL CONDITIONS** Traffic calming. None. Sidewalks. The sidewalks are not of sufficient width to support Lane width. One street has a Crosswalks. The crosswalks are anticipated pedestrian volume. typical 4-lane cross section. just two striped lines, which Transit. The bus stop is near-side. while the other has a four lanes may be faded from age and plus a left turn lane. Both seem winter weather. The stop line oversized for collectors. is too near the crosswalk. Street Trees. Existing street trees and GI along Regional Corner radii. The corners were Accessibility. The crosswalks Major Collectors as per probably designed to allow meet at the apex of the York Region standards. large but infrequent trucks sidewalk, so there is only one to turn into the curb lane. pedestrian ramp with detectable warning strips (DWS). Bicycle facilities. None. Intersection control. There is a typical traffic signal with a leading turn signal and Right-Turn-On-Red (RTOR).

DEMONSTRATIONS: Collector to Collector (Intensification)

Retrofit

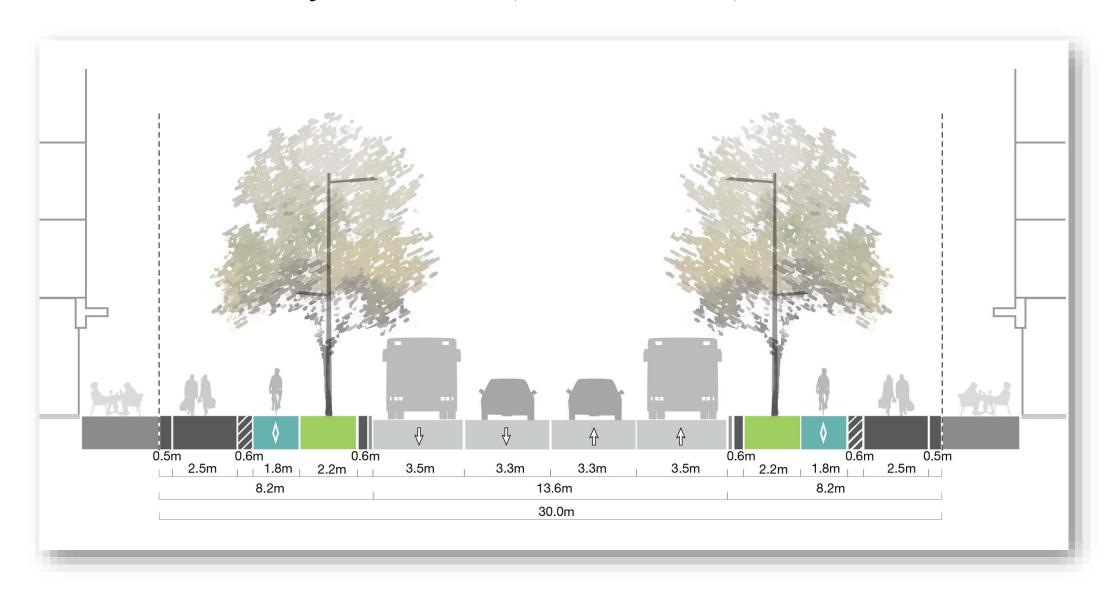


DEMONSTRATIONS: Collector to Collector (Intensification)

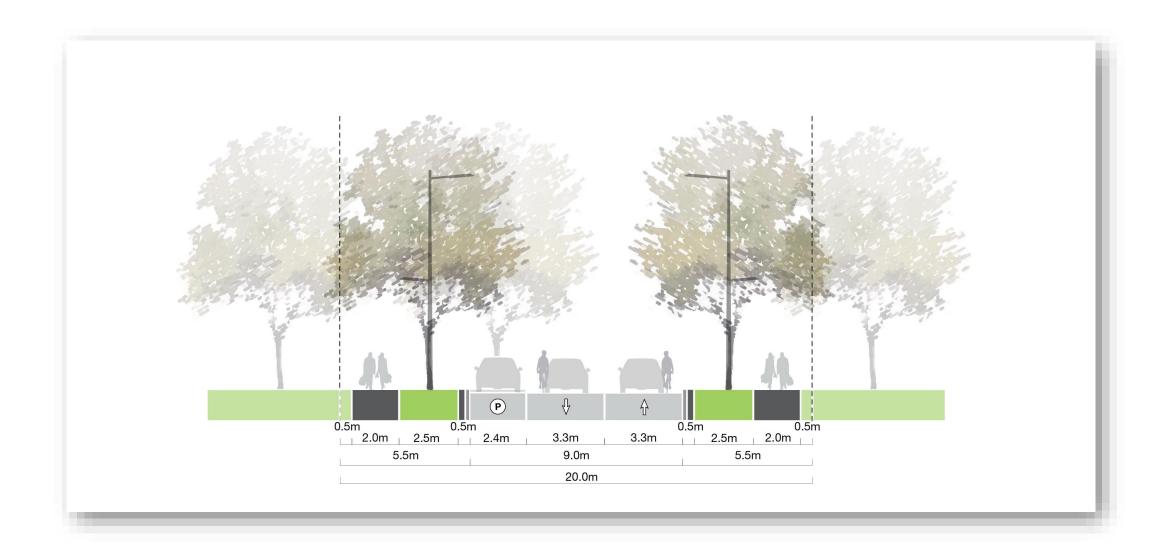
Reconstruction



CROSS-SECTIONS: Major Collector (Intensification)



CROSS-SECTIONS: Local (Community)



What's Not Included?

The Guide Is Not....

- A 'solution' for every street project.
- Engineering standards for different elements within street cross-sections.

- Area / corridor specific guidance for streets.
- Guidance for implementation of Operations and Maintenance of streets.

Next Steps

- Analyze and summarize what we heard today.
- Consider input / revise accordingly.
- Finalize and submit the Guide, with project completion by end of February 2024.

