



**WELCOME
MAPLEVIEW DRIVE EAST ROAD IMPROVEMENT
PROJECT
YONGE STREET TO PRINCE WILLIAM WAY
PUBLIC INFORMATION CENTRE**

POSTED DATE: WEDNESDAY JUNE 22, 2022

LOCATION: VIRTUAL PRESENTATION



Agenda

The purpose of this Public Information Centre (PIC) is to:

- Update the public on the Mapleview Drive East Improvement project from Yonge Street to Prince William Way Following the City of Barrie Environmental Study (EA) Report Hewitt's Secondary Plan Class Environmental Assessment Study Phases 3 and 4 completed in the Fall of 2017.
- Provide details on the 90% design of the Project.
- Present a preliminary property impacts plan.
- Provide members of the public with an opportunity to review and comment on the 90% design.
- Provide an overview of next steps and scheduling.

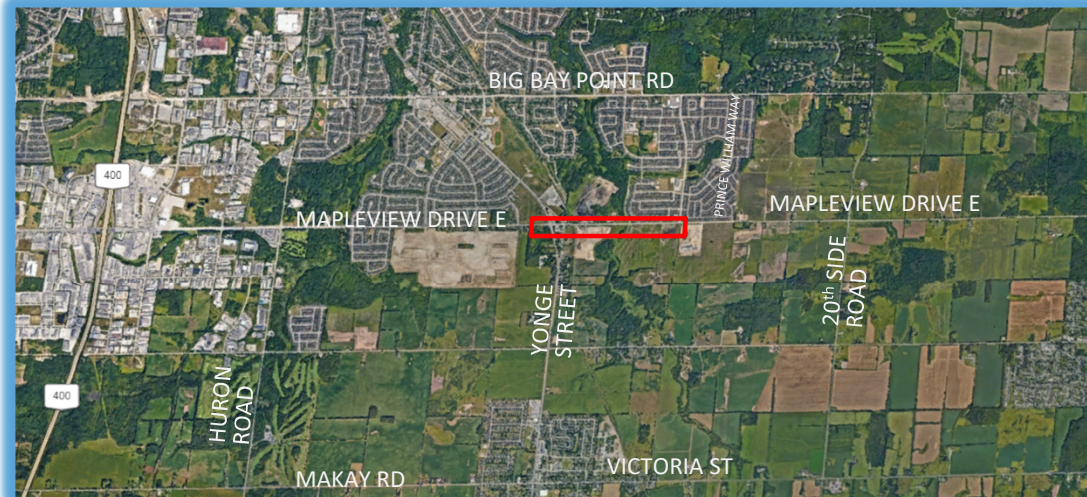


Project Background

Mapleview Drive between Yonge Street and Prince William Way is currently a 2-lane semi-rural major arterial road running east-west, with a typical cross section consisting of paved shoulders and pedestrian passage on the north side that consists of a boulevard sidewalk with intermittent connecting sections of naturalized path.

Mapleview Drive has a posted speed that varies from 50 km/h to 60 km/h within the Project limits.

The City of Barrie's objective is to design and construct a portion of the area road system, specifically Mapleview Drive East from Yonge Street to Prince William Way, in accordance with the City's 10-year Capital Program timelines set for this project.



Project Limits



Maplevue Drive

✓ Project limits extend from Maplevue Drive East from Yonge Street to Prince William Way and is part of the Multi-Modal Active Transportation Master Plan (MMATMP). These works are included in the City of Barrie's 10-year Capital Program. The Project corridor length is approximately 1.2km.

Yonge street

✓ Project limits also extend Northerly along Yonge street approximately 110m (0.11km). Project limits also include improvements to the intersection of Maplevue Dr East and Yonge Street.

*Road access will be maintained through staged closures, maintaining bi-directional single lane travel through the construction work zone.



Proposed Works

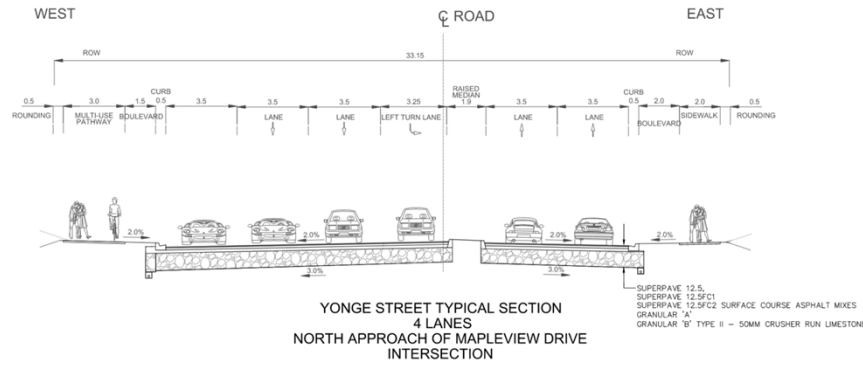
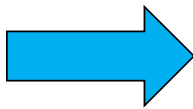
The proposed works will include:

- The preferred improvements are to accommodate the City's growth to 2031, and include:
 - an urban 4-lane roadway with a raised median,
 - a 3.0m multi use path on the north and south sides, and
 - improved roadway illumination
- New storm sewers, catch basins, Low Impact Development (LID) systems, and a Stormwater Management Pond;
- Utility relocations (including hydro, communications, & gas);
- Full traffic control signal will be implemented at Kneeshaw Dr/Lilly Dr;
- Intersection Pedestrian Signals (IPS) will be implemented at Royal Jubilee Dr;
- A new at-grade rail signal crossing system;
- Installation of new street lighting;
- Integration of streetscaping;
- Raised median to run from Yonge Street to Prince William Way;
- Intersections at St Paul's Crescent and Royal Jubilee to be right-in-right-out only; and
- Grade separation part of future undertaking (approx. 2037) by Metrolinx.

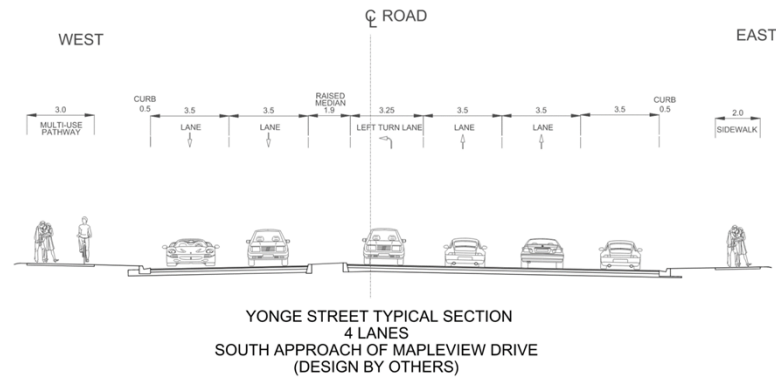
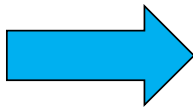


Yonge Street Road Cross Section at intersection with Mapleview Dr. E.

Proposed cross section following construction



Proposed cross section following construction

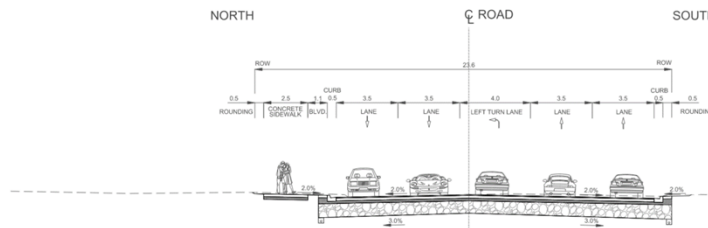
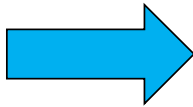


New Construction Plan – Yonge St to At-Grade Crossing



Mapleview Dr. E. Proposed Road Cross Section at intersection with Yonge St.

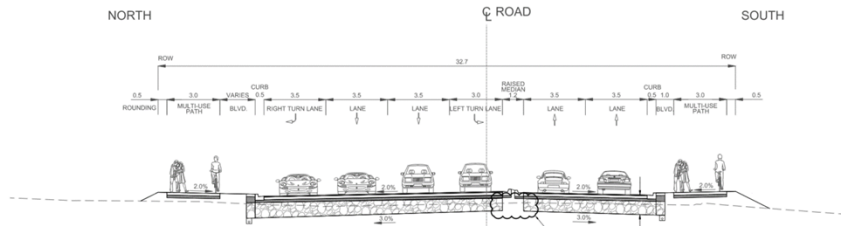
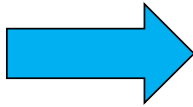
Proposed cross section following construction



MAPLEVIEW DRIVE TYPICAL SECTION
4 LANES
WEST APPROACH OF YONGE STREET
INTERSECTION



Proposed cross section following construction

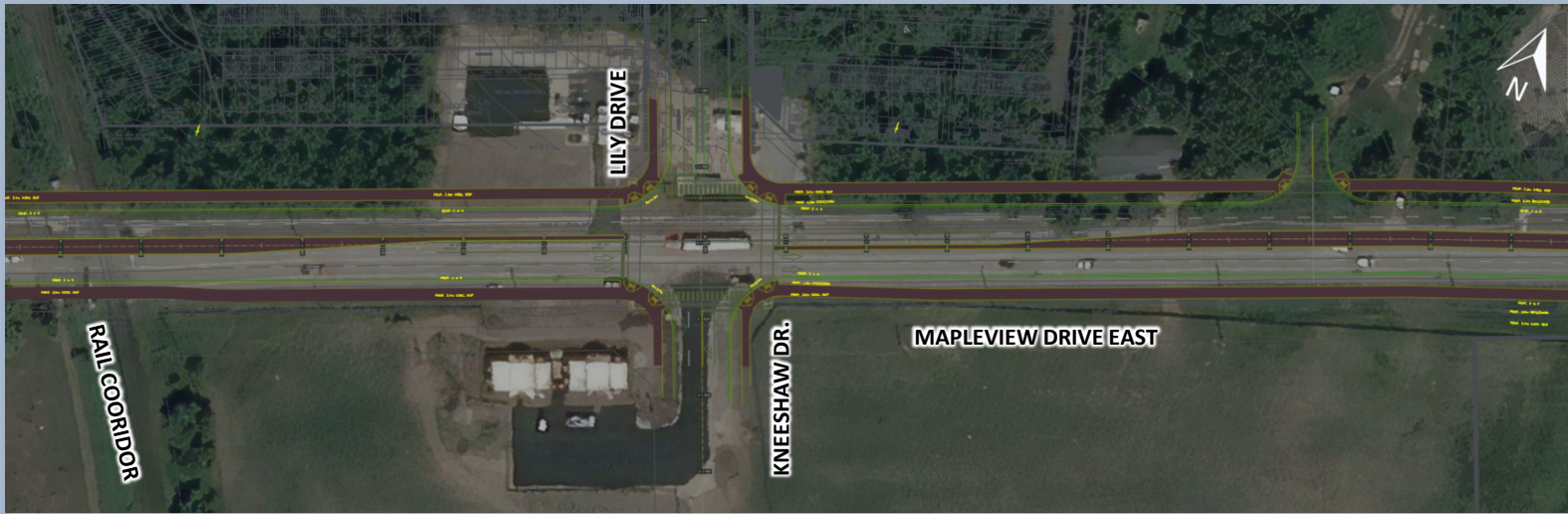


MAPLEVIEW DRIVE TYPICAL SECTION
4 LANES
EAST APPROACH OF YONGE STREET
INTERSECTION

SUPERPAVE 12.5
SUPERPAVE 12.5FC1
SUPERPAVE 12.5FC2 SURFACE COURSE ASPHALT MIXES
GRANULAR "A"
GRANULAR "B" TYPE II - 50MM CRUSHER RUN LIMESTONE



New Construction Plan – At-Grade Crossing to Royal Jubilee



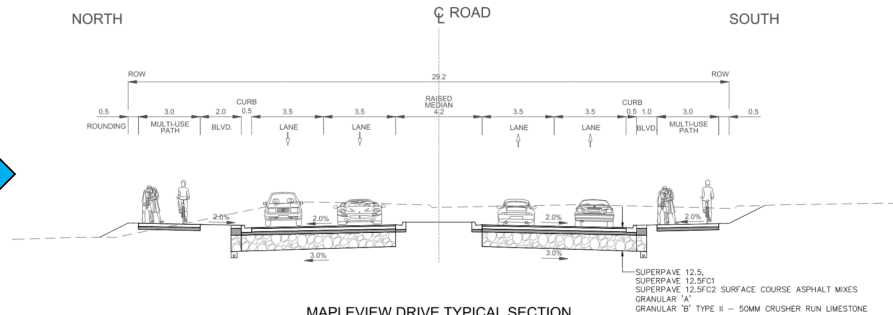
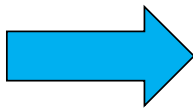
MATCH LINE SEE BELOW



MATCH LINE SEE ABOVE

Mapleview Drive E. Mid-Block Road Cross Section

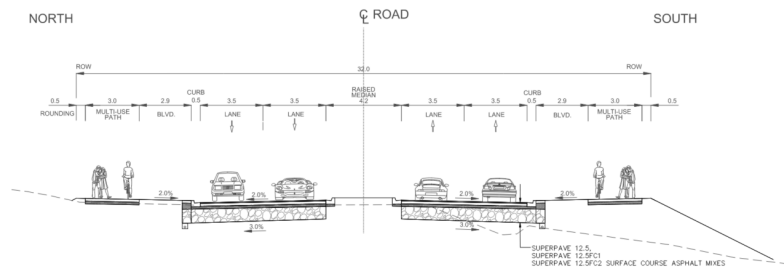
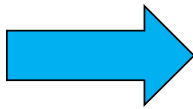
Proposed cross section following construction



MAPLEVIEW DRIVE TYPICAL SECTION
4 LANES
FROM STA. 30+160 TO STA. 30+260



Proposed cross section following construction



MAPLEVIEW DRIVE TYPICAL SECTION
4 LANES
FROM STA. 30+940 TO STA. 31+310



- 2-way traffic will be maintained throughout construction period
- Short term road closures may be required

New Construction Plan – Royal Jubilee to Prince William Way



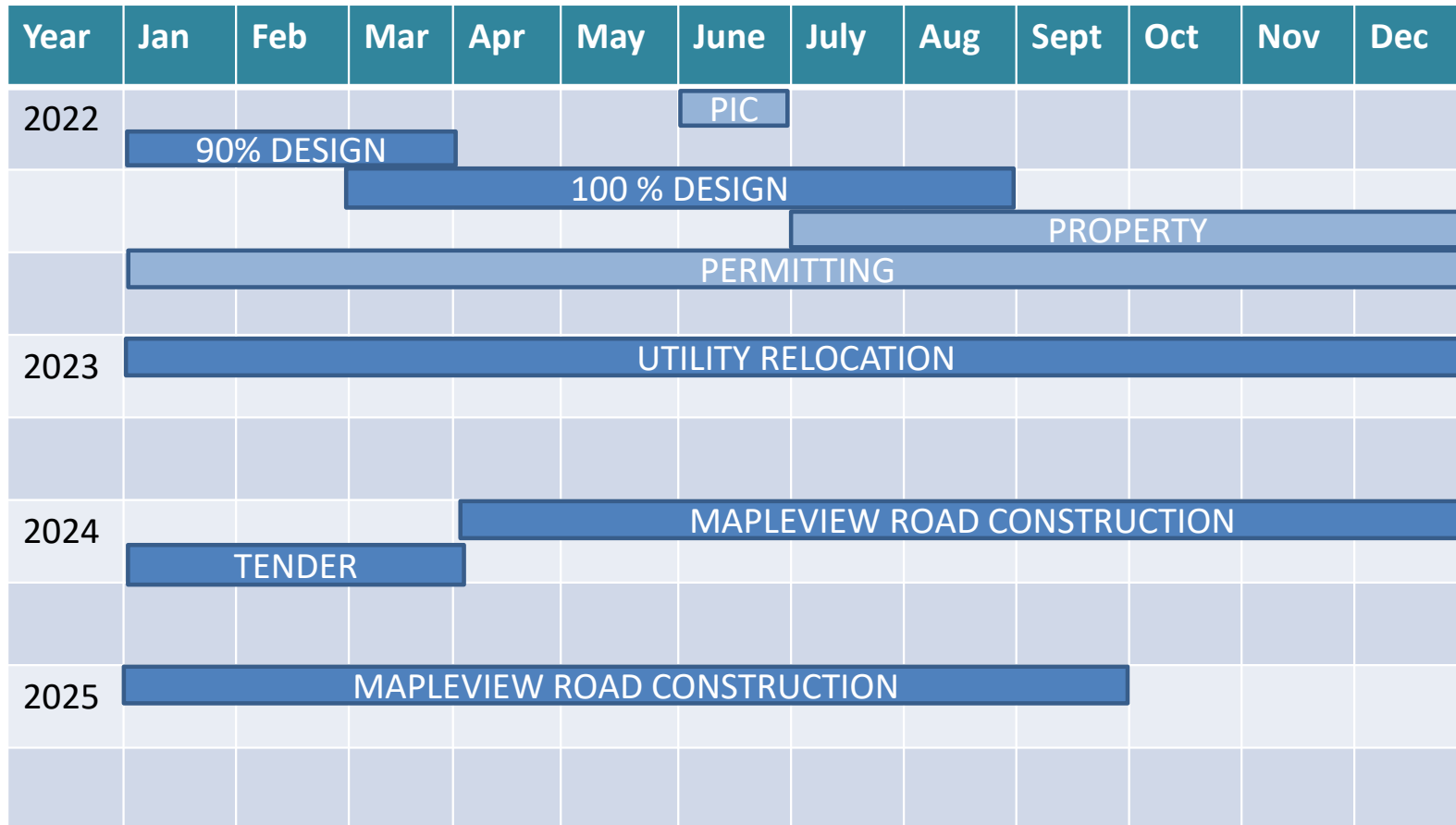
Road Environmental Components

Mitigation measures to minimize environmental impacts during construction include:

- Avoiding in-water work during sensitive spawning periods for fish;
- Avoiding vegetation clearing during spring and summer to minimize disturbance to bats and birds ;
- Implementing sediment and erosion control to protect water quality and aquatic habitat; and
- Implementing a planting / landscaping program to compensate for lost vegetation.



Project Schedule



* This is an estimated schedule and subject to completion of the final design, city approvals & sign-offs, utility relocations and property acquisition.



Thank You for Attending

- We value your input and encourage you to stay connected
 - Join our mailing list: leave us an email or mailing address so we can update you as the Study progresses
- Contact the Project Manager with any additional comments at any time:

Alvaro Almuina, P.Eng.

Project Manager, City of Barrie

Email: Alvaro.Almuina@barrie.ca

