



2022 Project Update

Rapids Parkway Expansion

City of Sarnia – Project Management Office

February 8, 2022

Agenda

Forcemain

- Work Completed in 2022
- Work Remaining for 2023
- Impact of supply chain disruption

Roadway Expansion

- Change in approach (Northern & Southern legs)
 - Co-ordination with MTO
- Work planned for 2022
- Work planned for 2023
- Design Features of Note

Forcemain

Forcemain



Work Completed in 2021

- Forcemain installed along HWNT
 - Drill Pits constructed
 - Trail closures between London Rd & Sandpiper
- Difficult to maintain safe work sites
 - Vandalism
 - Fenced areas ignored

Work remaining in 2022



- Service improvement retrofits to Pumping Station (underway)
- Final tie-in on Michigan Ave
 - ½ day traffic detour
- Planned complete mid March 2022

- Project is on budget

Forcemain



Supply Chain Disruption (2021)

- 3-month delay (cumulative) from supply chain disruption
 - Piping for Forcemain
 - Components for Pumping Station
- Risk management strategies were used to avoid further delays

Roadway Expansion

Change of Approach

- MTO plans to repair 402 bridge in 2022/23
 - Sarnia project required to work around
- Roadway expansion to be split into two phases:



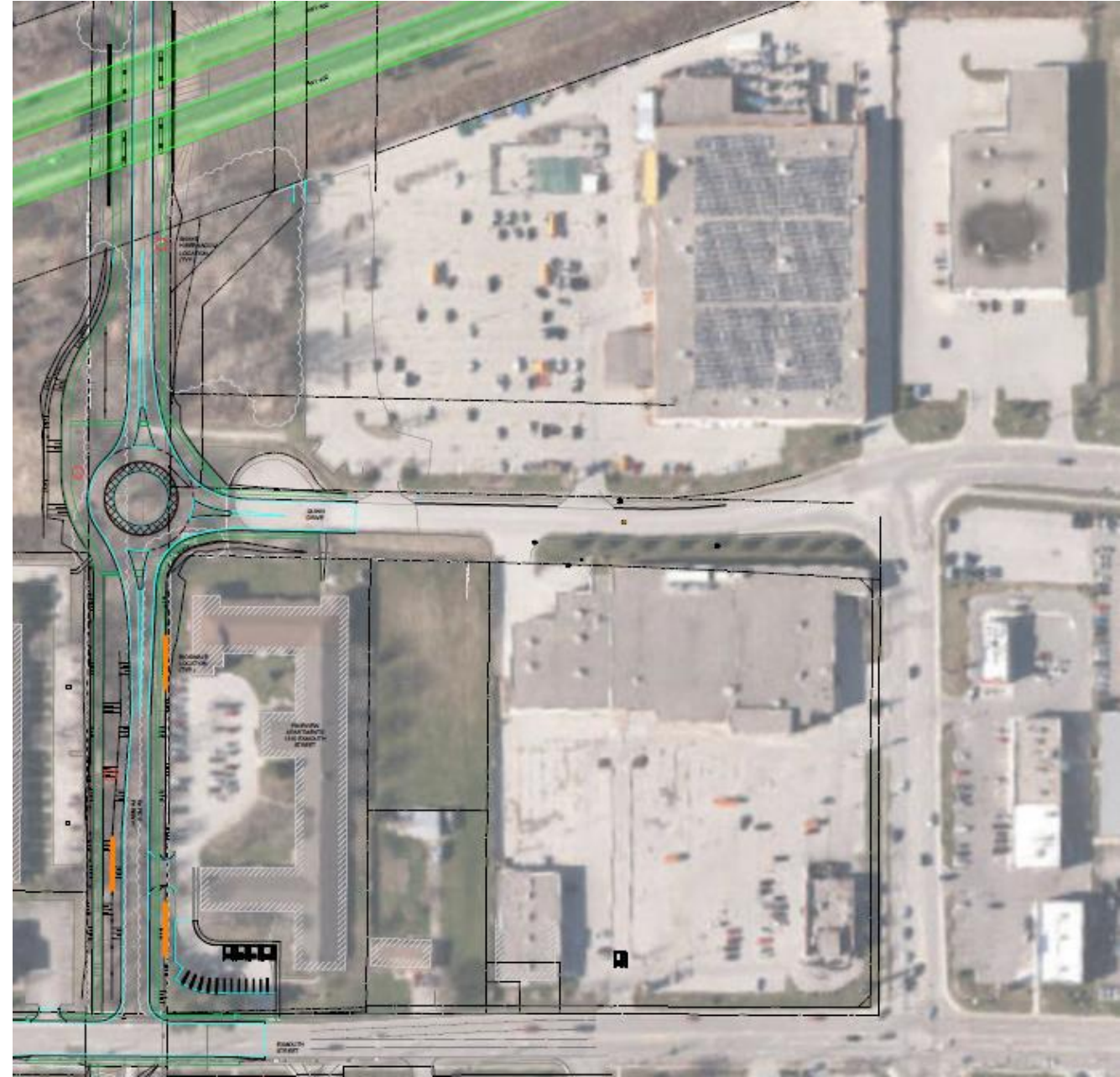
Change of Approach

- MTO plans to repair 402 bridge in 2022/23
 - Sarnia project required to work around
- Roadway expansion to be split into two phases:
 - Northern Leg, 2022

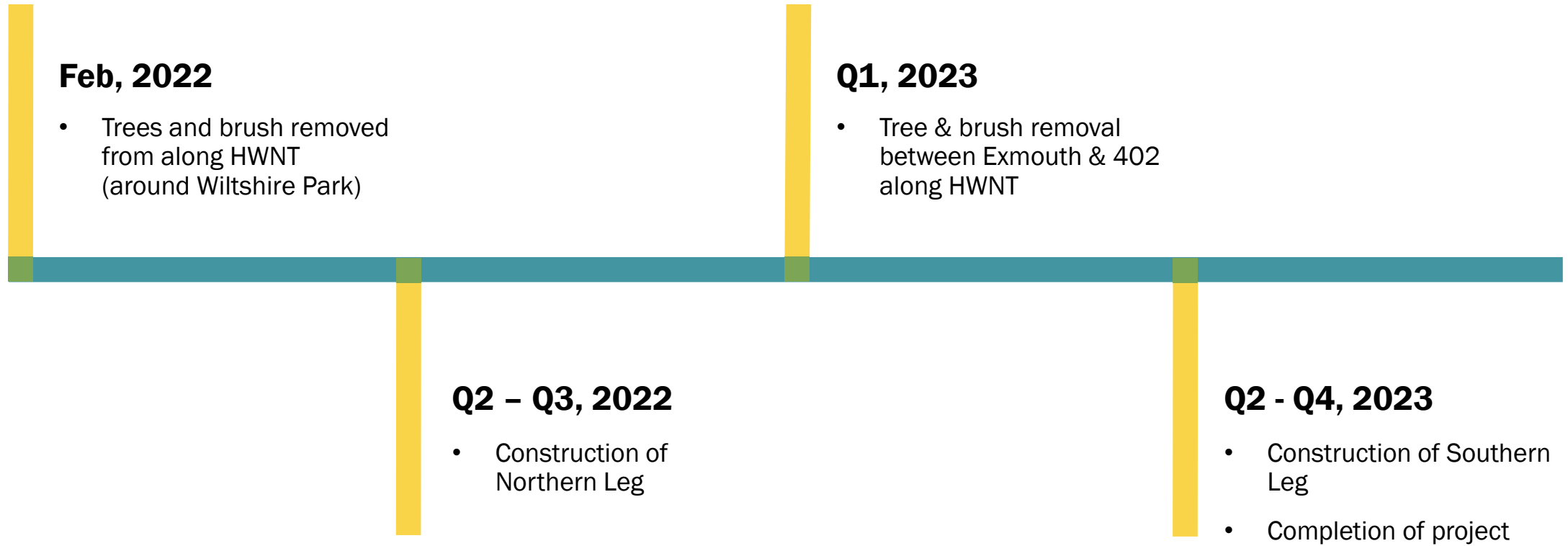


Change of Approach

- MTO plans to repair 402 bridge in 2022/23
 - Sarnia project required to work around
- Roadway expansion to be split into two phases:
 - Northern Leg, 2022
 - Southern Leg, 2023



Timeline



Design Features of Note

Bioswales

- Narrow strip of vegetation to redirect and filter stormwater
- Collects runoff from roadway

Snake Habitats

- shallow pits w/ old logs & mulch for snakes to shelter under
- Not full fibernaculum but provides compensating features

Wildlife Deterrents

- Curbs designed to discourage wildlife crossing
- Better suited to our design than eco-passages

Design Features of Note

Landscaping

- WSPO (3rd party) retained to design landscaping along HWNT where needed
- Naturalization-based approach
- Local SMEs involved to comment / direct selections

Tree planning

- Tree removals completed in Feb of each year to minimize damage to migratory and nesting birds
- This phase of project requires trees taken down to be replaced in 3:1 ratio
 - Counts taken of trees removed
 - Weighing options for replanting:

HWNT Impact

- Moving section between Exmouth & 402 to west by 50 meters
 - Will replace with paved surface akin to Roadway
 - Allows for plowing, Parks maintenance equipment
- Resurfacing from 402 to Michigan with granular



Any questions?

Andrew Epp, PMP

City of Sarnia – Project Manager

andrew.epp@sarnia.ca