

# Welcome!

The **Transportation Master Plan** (TMP) is the Municipality's blueprint for planning, developing and operating its transportation system over the next 25 years. The TMP will identify policies and infrastructure investments to meet the needs of all modes of transportation including walking, cycling, transit, trucks and general traffic.

We appreciate your participation in the second and final Public Information Centre for the Mississippi Mills TMP!

Please help shape the future of transportation in Mississippi Mills by:

- Asking us a question, or
- Submitting a comment

#### **Event Objectives**

- Share alternative transportation infrastructure solutions
- Share alternative transportation supporting strategies
- Get YOUR feedback to these ideas!

### Mississippi Mills 2048 Our Community, Our Future

#### **Transportation Master Plan Vision**

"The Municipality of Mississippi Mills will have a transportation system that is inclusive, accessible, and safe for all users.

The transportation system will be environmentally sustainable and support the local economy by continuing the efficient movement of people and goods within the municipality and to adjoining regions.

These qualities reflect the rural and small-municipal character with its rich cultural history while promoting a healthy and vibrant community"

For more information on the study and to provide feedback, please visit our website: https://www.mississippimills.ca/en/how-we-go.aspx

#### **Contact the Project Managers:**

**Robert Smith, CET. TMP** Project Manager **Municipality of Mississippi Mills** Email: <a href="mailto:smithr@mississippimills.ca">smithr@mississippimills.ca</a> HOWWE

GO

Austin Shih, MASc, P.Eng. **Senior Transportation Engineer Parsons Inc.** Email: austin.shih@parsons.com



### **Progress to Date**

#### History

Mississippi Mills initiated the TMP in February 2023. The initial consultation process began with an Online Community Survey open to the public from March 16, 2023, to April 17, 2023. The first Public Information Centre was held April 13, 2023. Working Group Meetings with key agency and business stakeholders were held April 11, 2023, and December 13, 2023

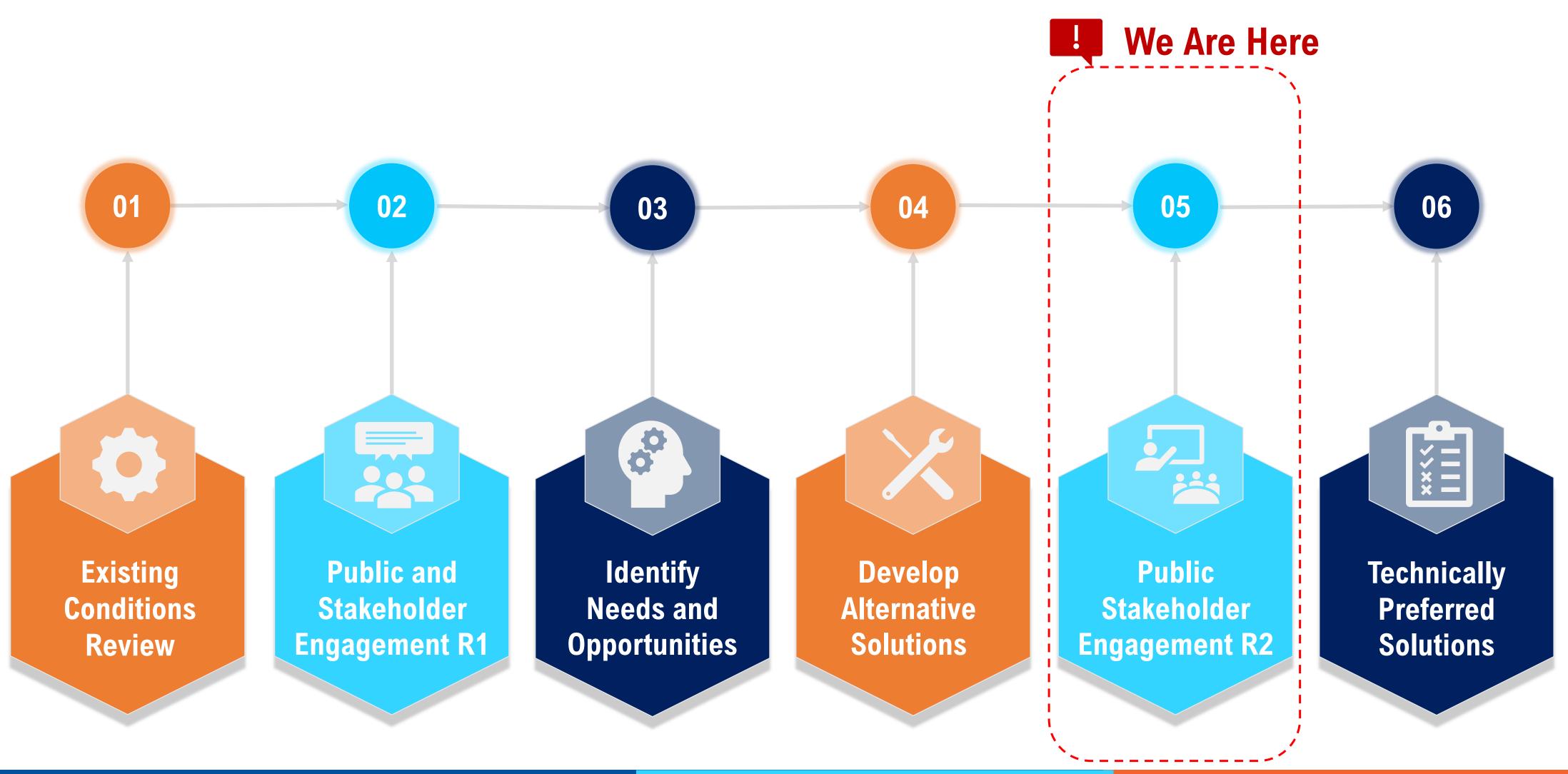
#### **Municipal Class EA Process**

The TMP is being conducted in accordance with the requirements of Phases 1 and 2 of the Municipal Class **Environmental Assessment process** (following "Approach #1") under the **Environmental Assessment Act.** 

The Class Environmental Assessment process provides a transparent approach to planning and building municipal infrastructure which includes public and stakeholder participation throughout.

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In undertaking the consultation process with stakeholders, specific engagement was made with Indigenous communities and inherent rights and treaty holders to ensure an inclusive and holistic engagement process that promotes indigenous sovereignty and well-being.







# Background

#### **Long-Term Growth Projections**

Long-term growth projections for Residential Units (RU) and Employment Lands (EL) were developed for the municipality as part of the Water and Wastewater Master Servicing Plan. These assumptions are critical elements that informed key outcomes and decisions in the TMP.

- → Three future growth projections developed: 5-year, 15-year and 25-year
- Roughly 4,000 new RU and 65.4 ha of EL projected in Almonte alone over the next 25-years
- Roughly 1,700 new RU in the rural municipality (including) Villages) – distributed roughly evenly
- → 70% of total population growth expected in Almonte and 30% in the rural municipality
- → 100% of employment growth in Almonte

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**Almonte Growth Areas** 

+ 1,005 RU / + 15.7 ha of EL

15-Year + 1,465 RU / + 18.1 ha of EL 25-Year + 1,521 RU / + 31.6 ha of EL

Assumptions were made on possible **25-Year growth areas to inform the TMP.** 

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**5-Year** 



# **Villages and Rural Road Network**

#### **Needs and Opportunities**

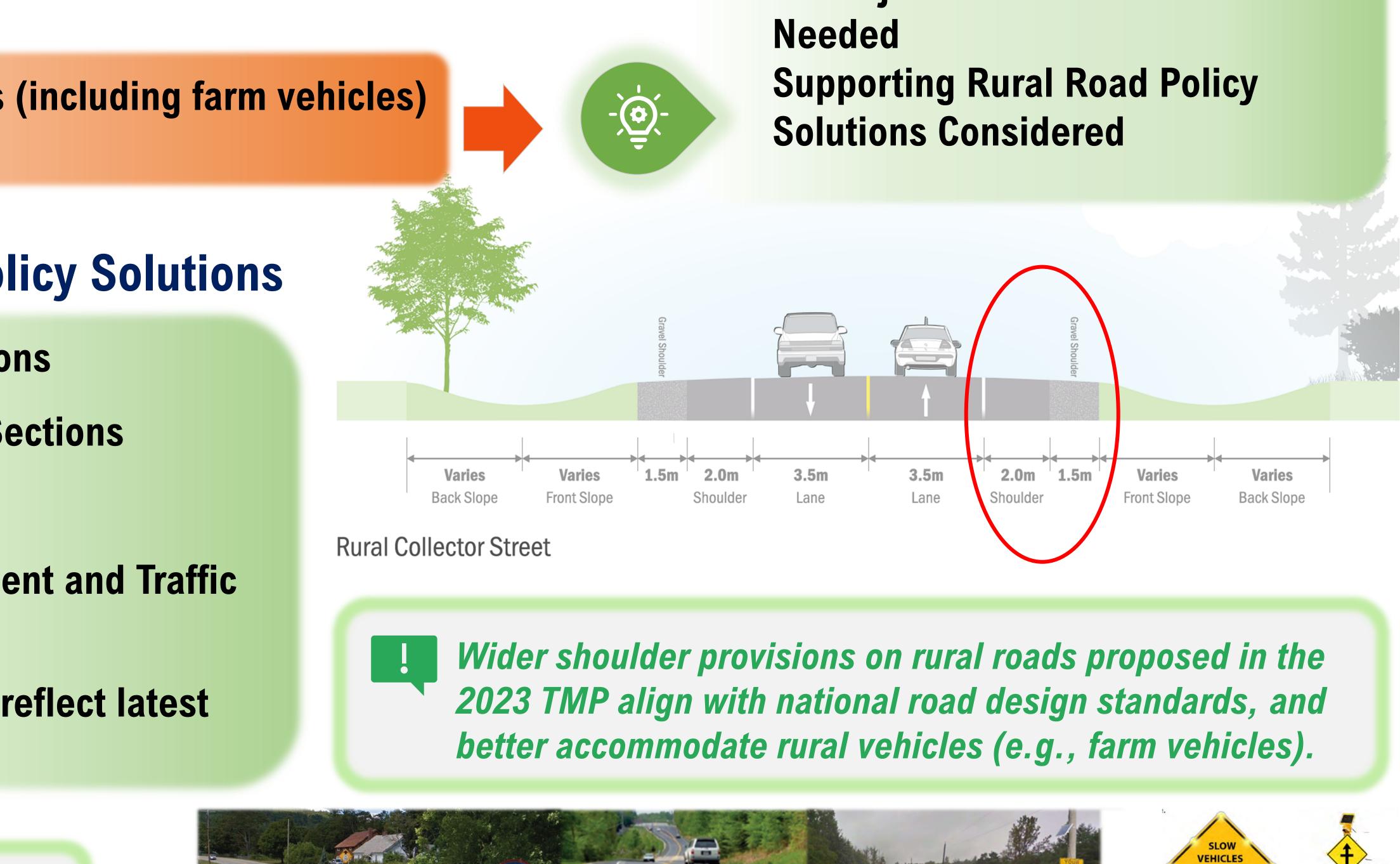
- 1. Consideration for All Vehicles (including farm vehicles)
- 2. General Safety

#### **Potential Supporting Rural Road Policy Solutions**

- **Review Rural Road Classifications**
- **Update Standard Rural Cross-Sections**
- Update Rural Design Criteria
- **Provide Rural Speed Management and Traffic Calming Guidance**
- **Ensure Maintenance Practices reflect latest Provincial Policies**

**Contemporary approaches to rural traffic** calming will be highlighted in the 2023 TMP.

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# **No Major Infrastructure Solutions**





### **Almonte Road Network**

#### **Needs and Opportunities**



**Ottawa St: Insufficient Long-Term Corridor Capacity** 



**March Rd: Insufficient Long-Term Corridor Capacity** 

03

Various Intersections: **Insufficient Long-Term Capacity** 

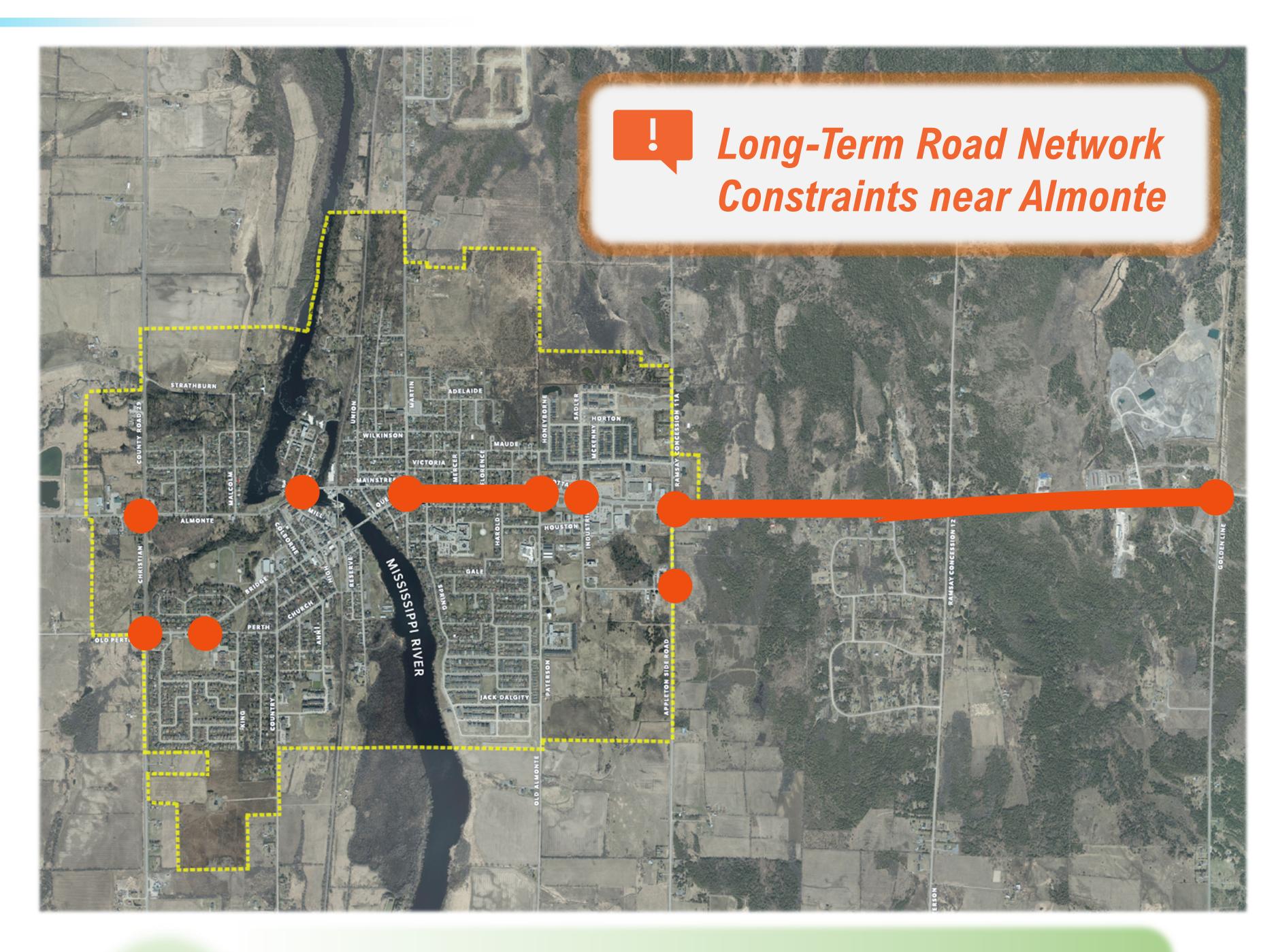
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#### **General Safety at Major** Intersections

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Infrastructure and Supporting Road **Policy Solutions Considered** 



### **Almonte Road Network**

#### **Ottawa St and March Rd Corridors: Alternative Solution Approaches**





01

#### **Invest in Sustainable Modes Alone**

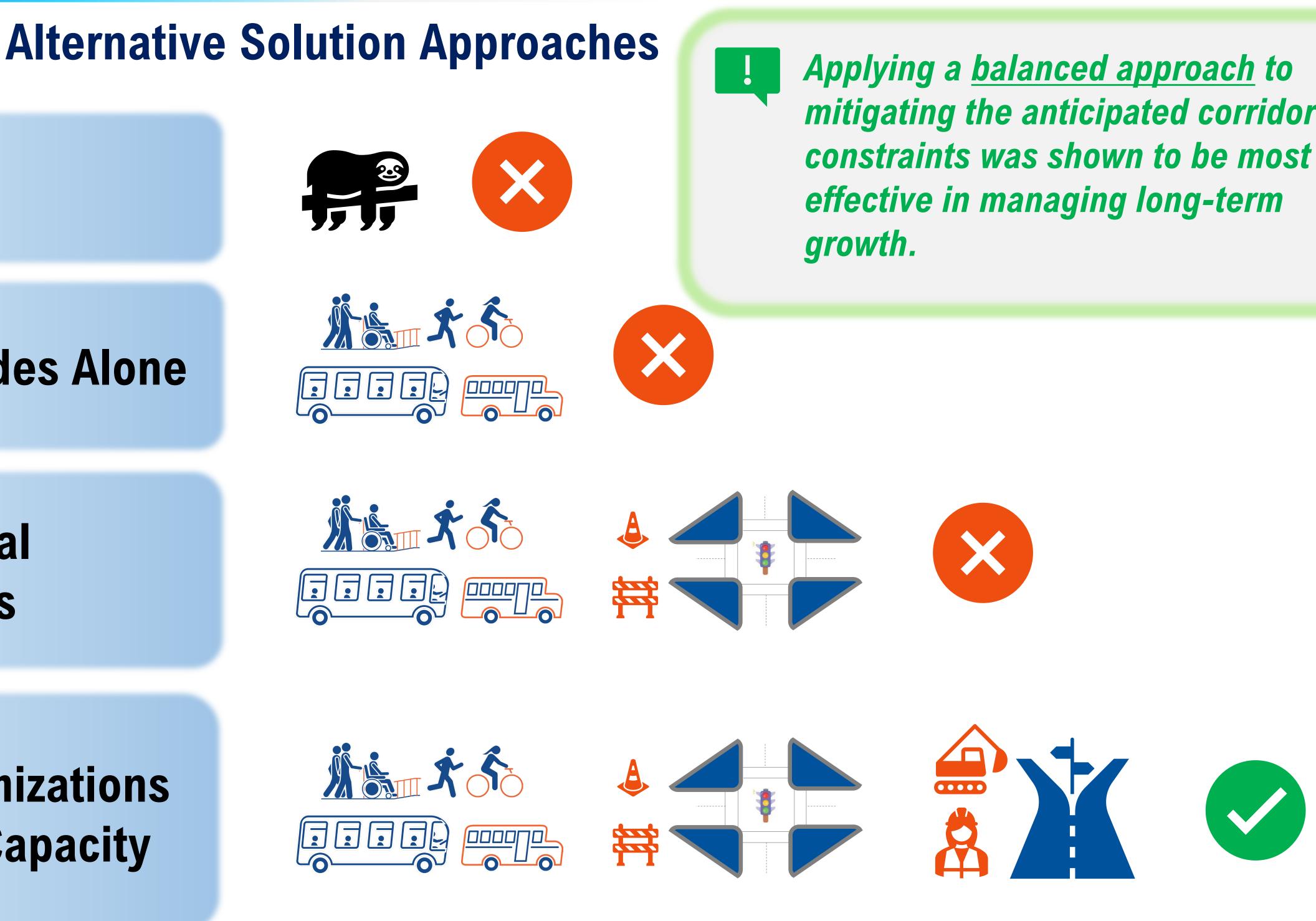


Sustainable Modes + Local **Intersection Optimizations** 



**Sust Modes + Local Optimizations** + Expand Road Network Capacity

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mitigating the anticipated corridor constraints was shown to be most



### **Almonte Road Network**

How do we expand the road network?

# 01

**Road Widening Alone** (2-Lanes to 4-Lanes)

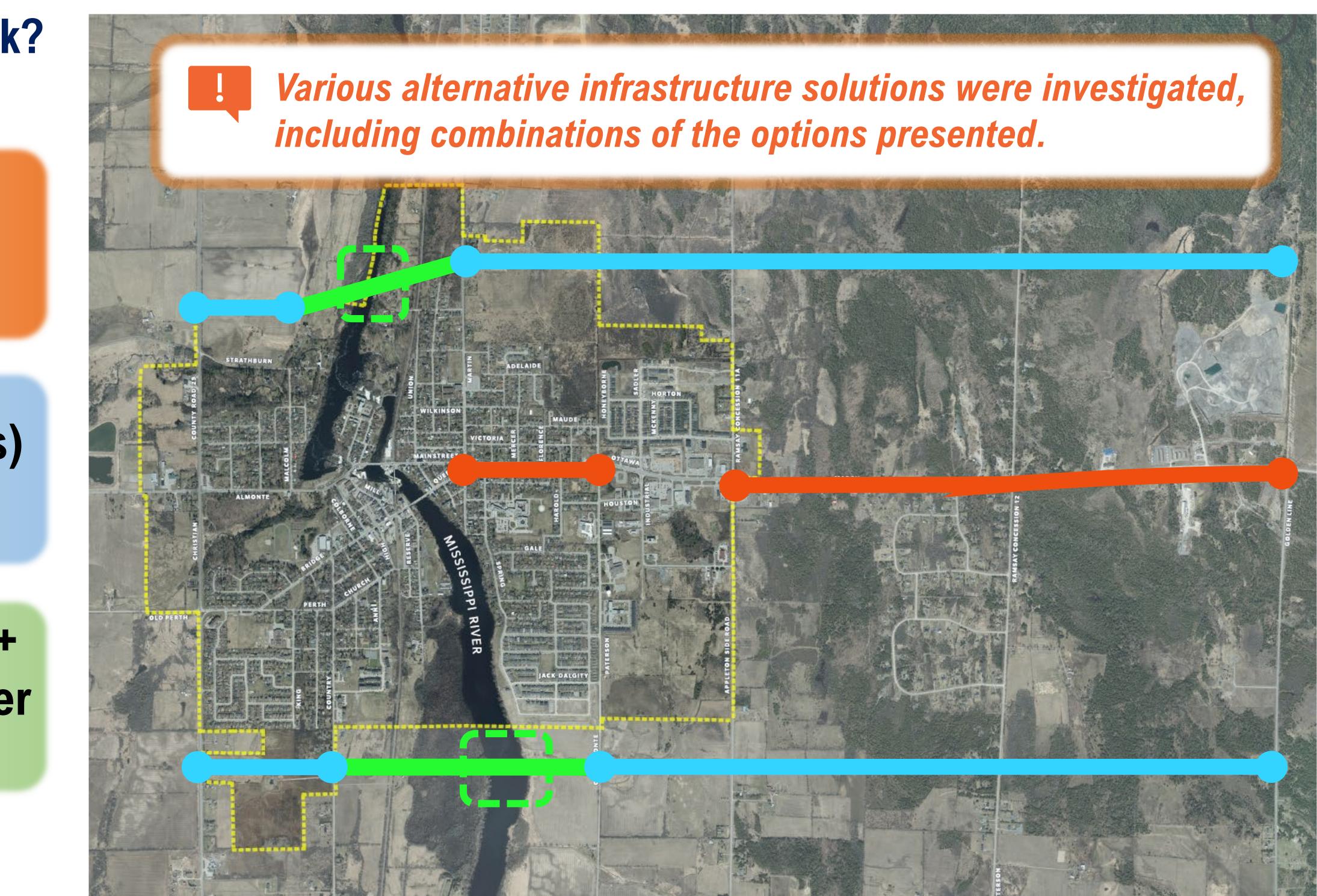


**New East–West Corridor(s)** Alone



New East–West Street(s) + **New Vehicle Bridge(s) over** Mississippi

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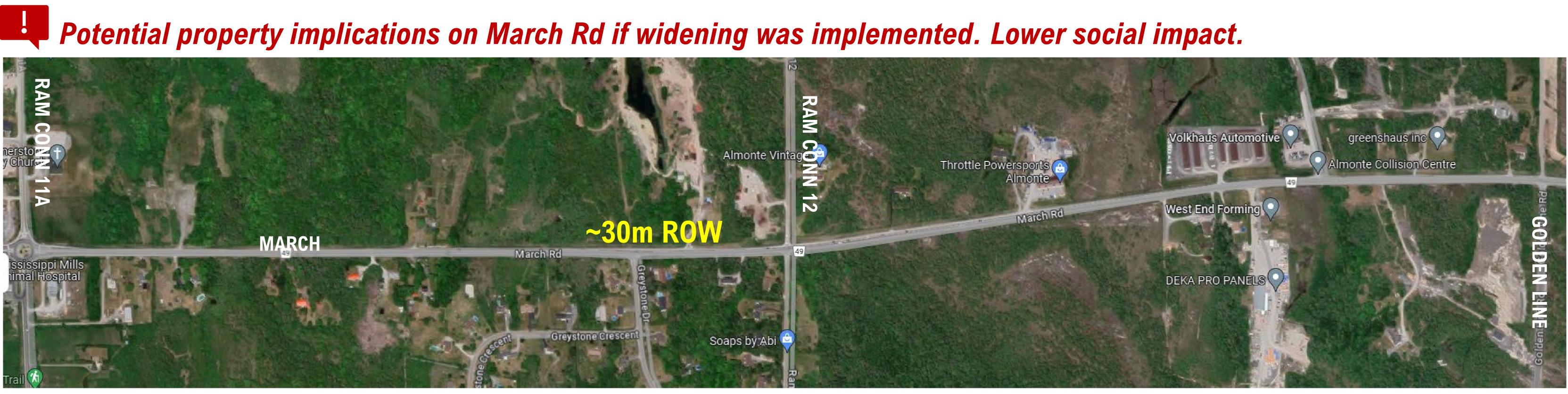
Note: The location and alignment of new corridors and bridges shown above are <u>hypothetical</u> and are subject to further study.





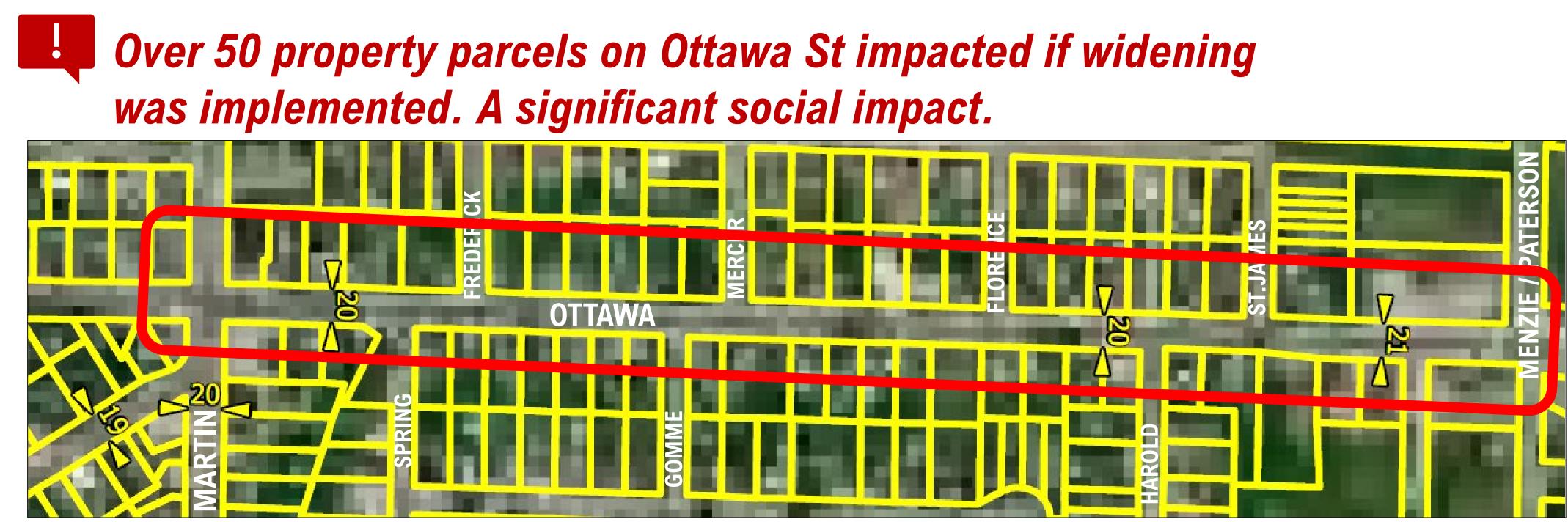
# **Property Implications to Road Widening**

#### **Road Widening Alone** 01 (2-Lanes to 4-Lanes)



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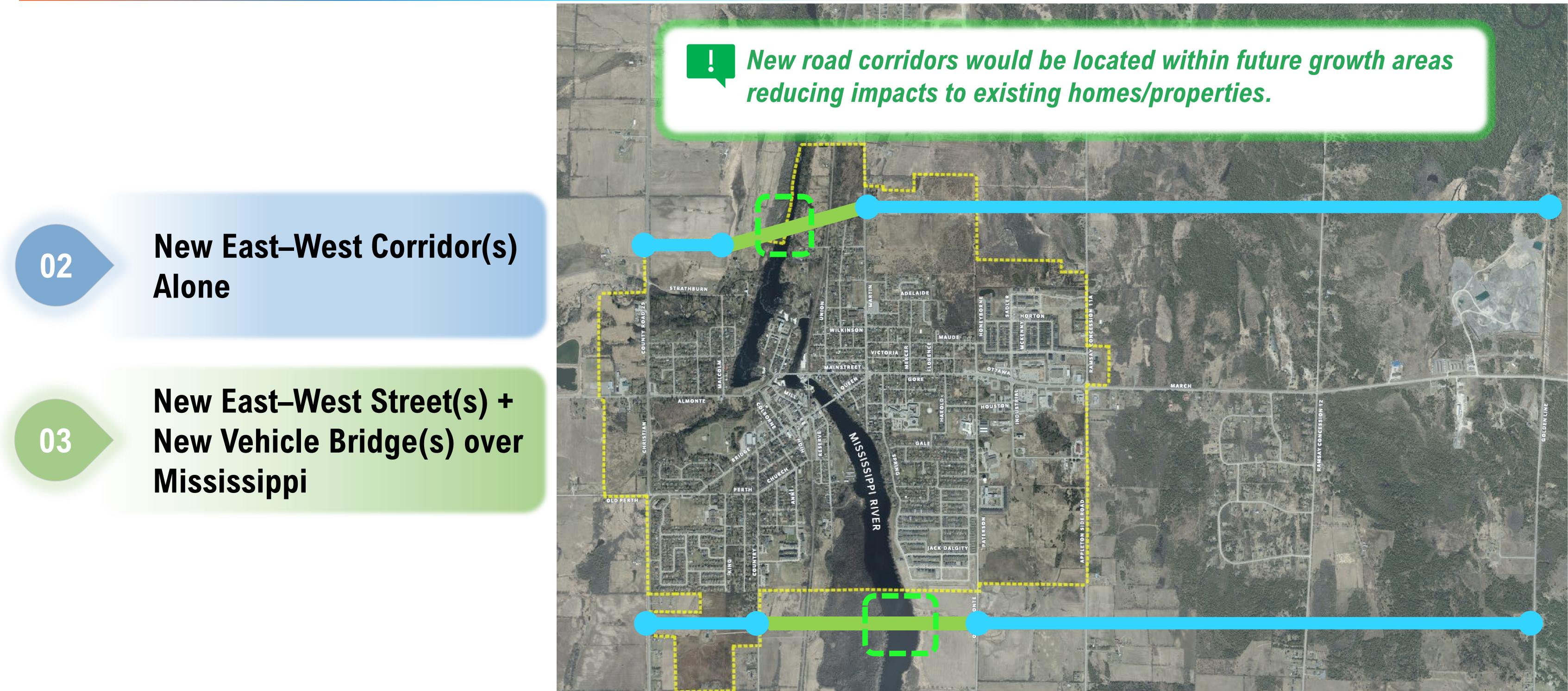
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# **Property Implications with New Road Corridors**



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Note: The location and alignment of new corridors and bridges shown above are hypothetical and are subject to further study.





# **Significant Wetland Implications with New Road Corridors**

#### **New East–West Corridor(s)** Alone



02

#### **New East–West Street(s)** + New Vehicle Bridge(s) over Mississippi

1 Alx Alx a

1:100 Year Floodplain

Streams

MVCA Non Evaluated Wetland

MVCA Regulation Limit

Parcels\_2023

Lot & Concession

MVCA Watershed Boundary

Municipalitiy

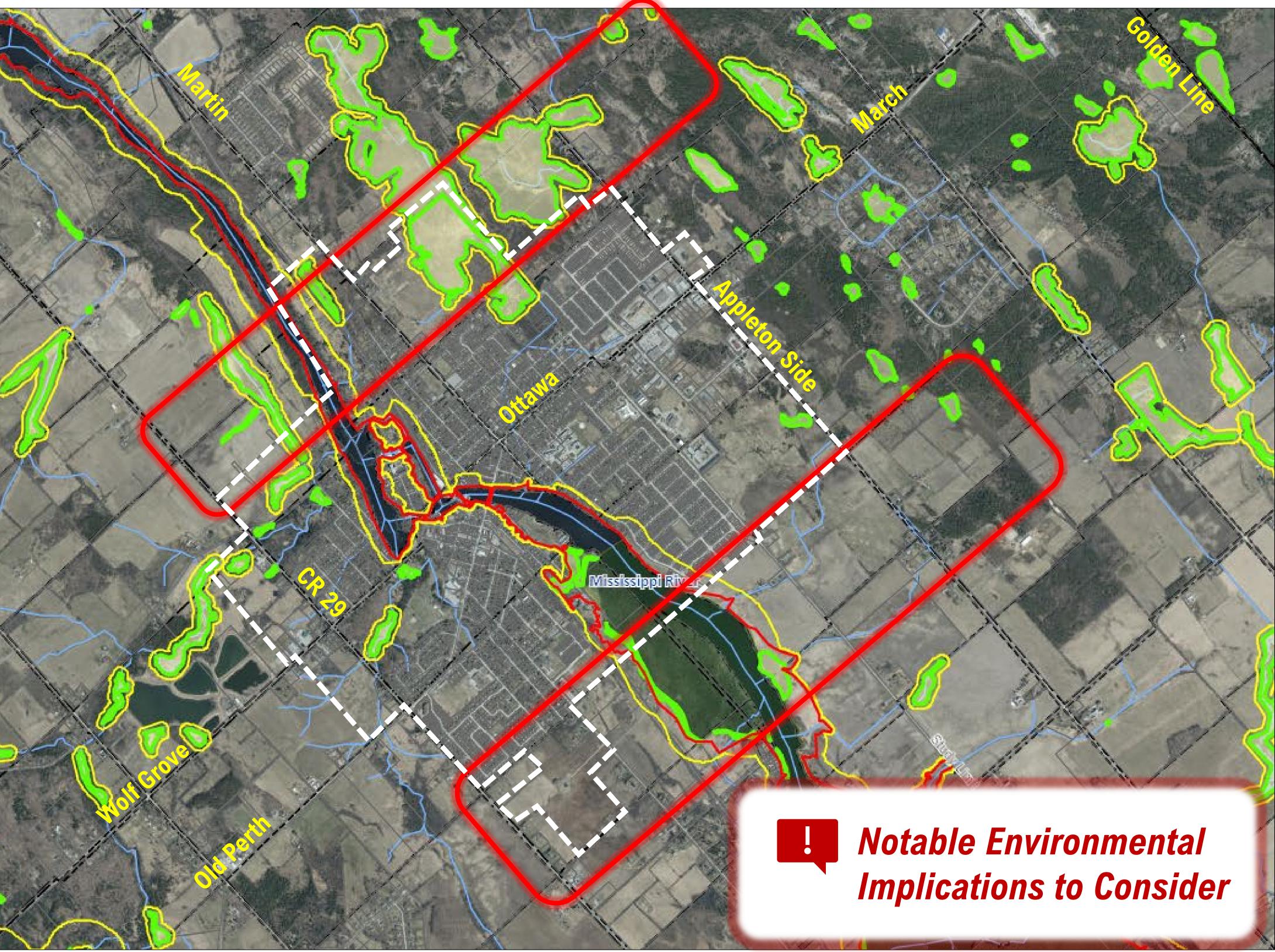
**Provincially Significant Wetlands** 

MVCA Conservation Areas

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# **Potential Ottawa St Capacity Solution**

#### Vehicle Traffic Needs Alone

#### • North Bridge and new road connection in NW quadrant not needed

- New Corridors and South Bridge avoid widening of Ottawa St
- New South Corridor offers alternative truck route opportunity
- Enhancing Old Almonte Rd to Appleton Side Rd supports future development; opportunity for multi-modal integration
- Local intersection optimizations on Ottawa St needed, but must identify property implications
- Further design studies required

Note: The location and alignment of new corridors and bridges shown are <u>hypothetical</u> and are subject to further study.

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#### Corridor and Intersection Safety Enhancements (without widening)

\* Ultimate Design and Property Requirements to be confirmed in Environmental Assessment Study

> Various Intersection Modifications for Safety and/or Long-Term Capacity





#### **New North Municipal Corridor**

\* Ultimate Location, Alignment and Design to be confirmed in Environmental Assessment Study

#### Urbanize Corridor as Development Progresses Northward

#### New Municipal Connection To Appleton Side

\* Ultimate Location to be confirmed through Development Application Process

#### New South Corridor and New Bridge (Potential County Road Corridor)

\* Ultimate Location, Alignment and Design to be confirmed in Environmental Assessment Study



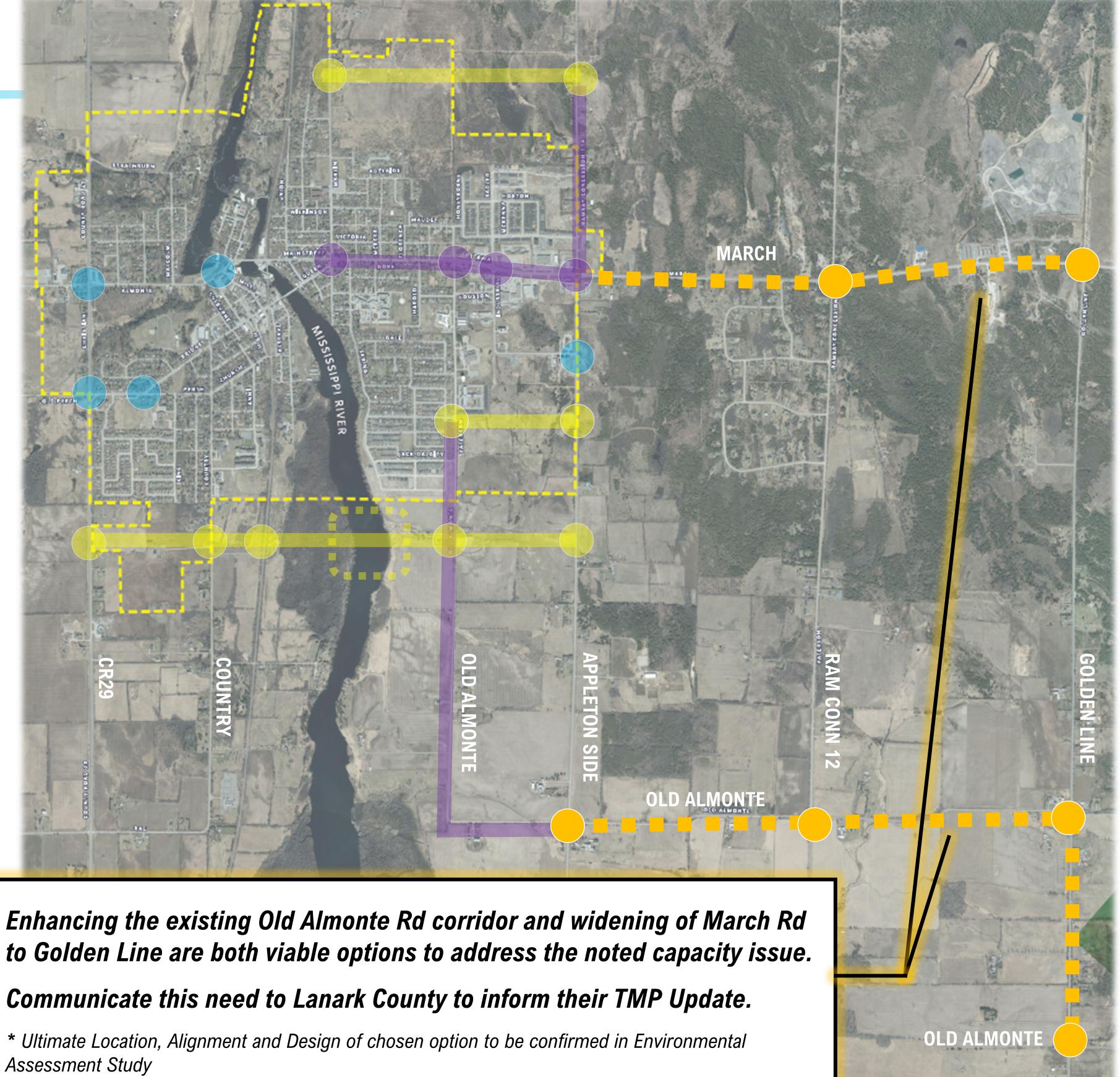
# **Potential March Rd Capacity Solutions**

#### **Vehicle Traffic Needs Alone**

- Old Almonte Rd provides an alternative connection to the City of Ottawa
- Old Almonte Rd is an opportunity to leverage an existing road corridor as a secondary vehicle connection, providing relief to the March Rd corridor
- Alternatively, March Rd could be widened to 4-lanes to address the corridor constraint, however this requires County approval and funding
- Both options are expected to trigger limited property acquisition, but have low social and environmental implications
- Further design study and coordination with Lanark County required; revisit this specific need in next TMP update

Note: The location and alignment of new corridors and bridges shown are hypothetical and are subject to further study.

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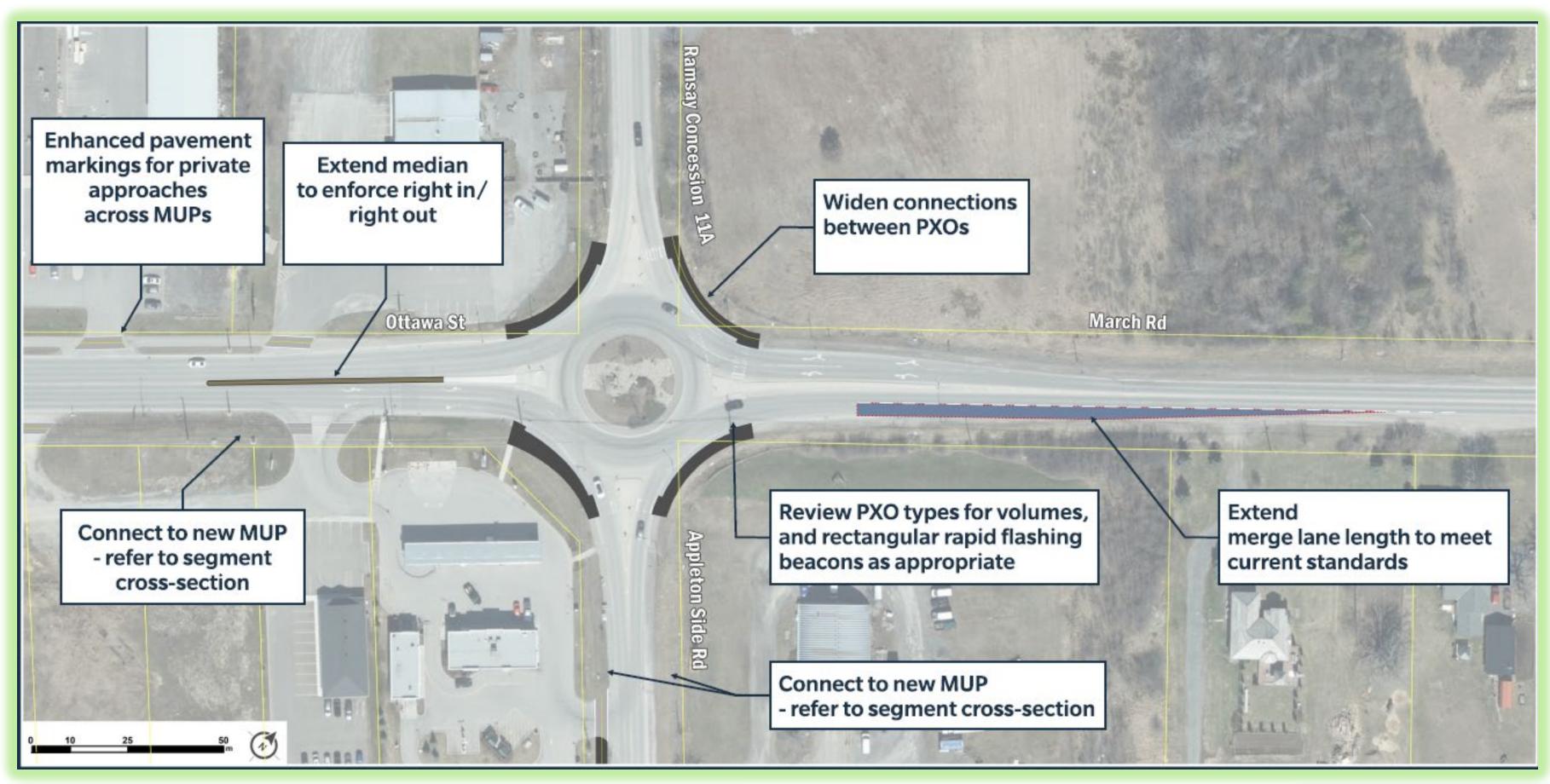


Assessment Study

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## **Potential Short-Term Enhancements**



Ottawa Street / March Road & Appleton Side Road / Ramsay Concession 11A 

#### Note: The draft plan is **Conceptual**; to be validated during the functional and detailed design.

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# **Active Transportation (AT) Network**

#### What we heard from public engagement to date

- **Courtesy Crossings** should be upgraded to PXOs where applicable (incl. County roads)
- People feel unsafe crossing Ottawa St
- **Extend/expand sidewalks** in Pakenham and Appleton, various . **locations in Almonte**
- Better sidewalk maintenance (winter, landscaping etc.)
- Almonte St stressful to walk to downtown with children
- More streetlights needed on streets
- Provide paved OVRT within Almonte limits; motorized vehicles feel unsafe to peds/cyclists
- Lack of visibility for PXO on Ottawa St at Mill St
- Not enough time to cross at **Tim Hortons pedestrian signal**
- Add or augment crosswalks along Ottawa St
- **Provide ped infrastructure around stores and parks**
- Plan for sidewalks and ped walkways for new developments
- **Poor road surface** for bikes on various segments

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- Vehicles turning where bike lanes end is unsafe **Extend Ottawa St bike lanes to CR29**
- **Paterson St** too narrow with cars parked
  - Not enough paved shoulders on rural roads
  - **Bridges** should have painted bike lanes



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# Painted bike lanes feel unsafe, need separated facilities **Need slower traffic** on Country St due to bike volumes



# **Villages and Rural Active Transportation Network**

#### **Needs and Opportunities**



Pedestrian and cycling considerations on rural roads



**Rural road maintenance of popular** cycling routes



**Connecting Villages and Trails** 



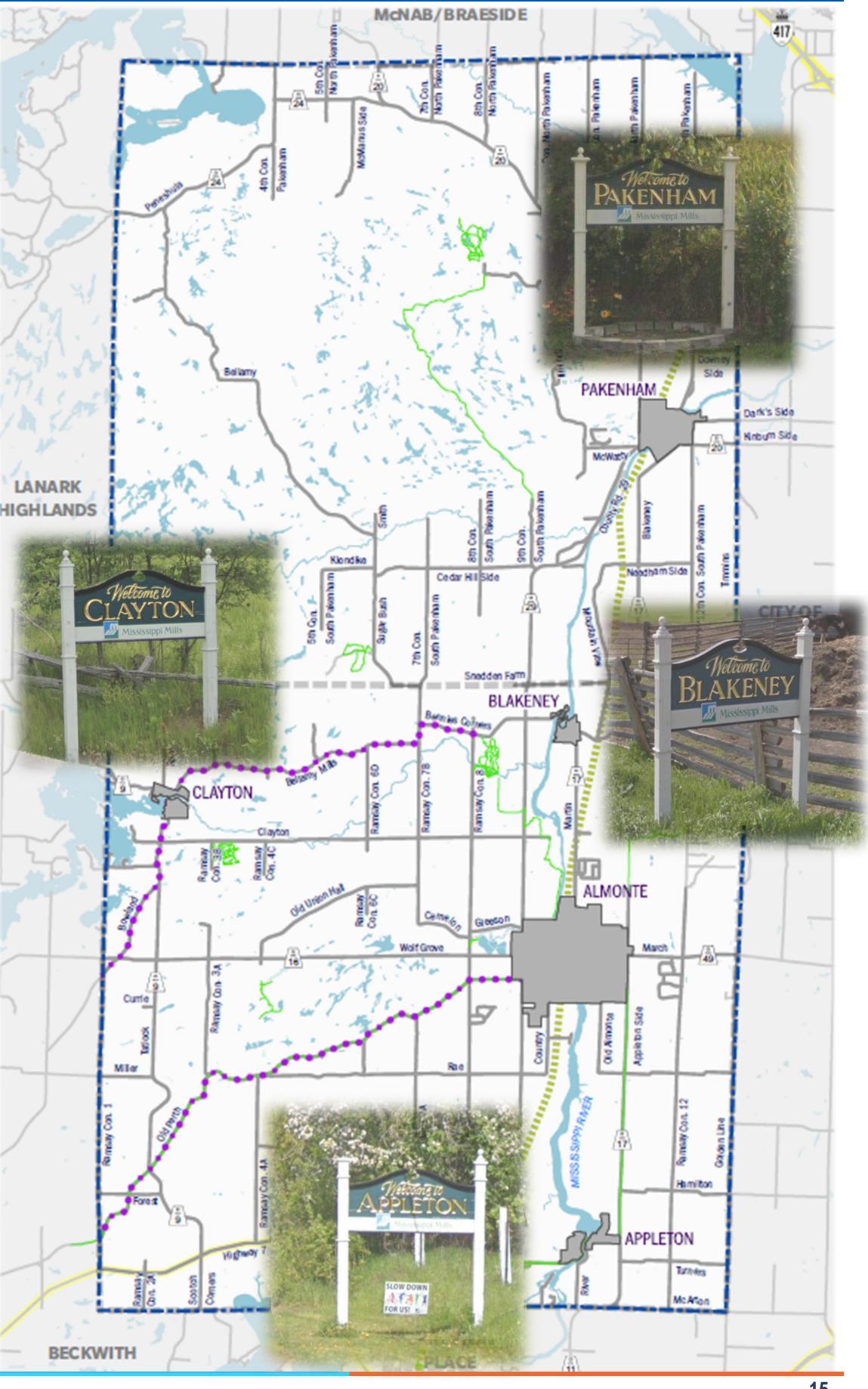
#### **No Major Infrastructure Solutions Needed Supporting AT Policy Solutions Considered**

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# **Villages and Rural Active Transportation Network**

#### **Potential AT Network Solutions**

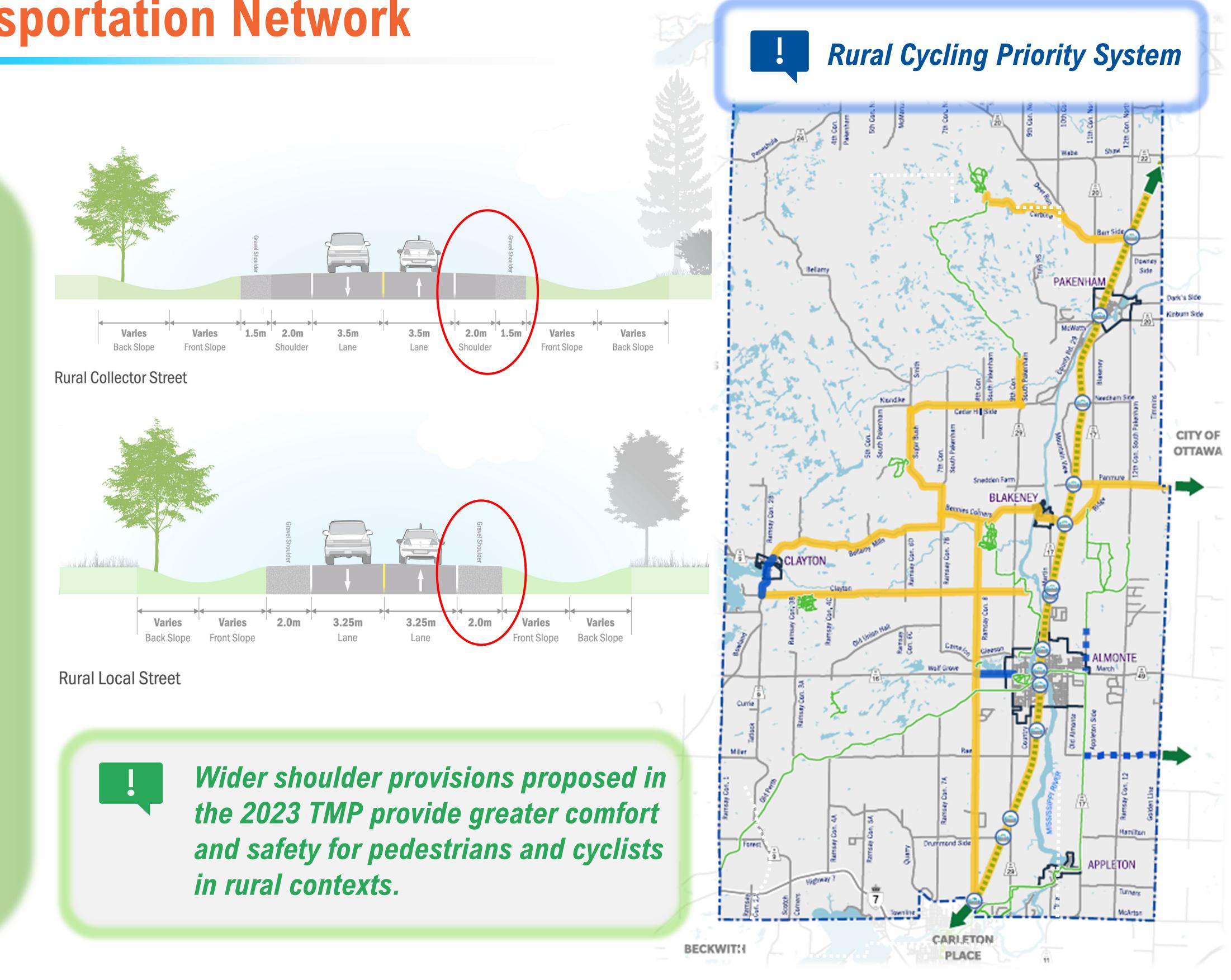
- Adopt updated standard crosssections for new/retrofit roadways
- Adopt Rural cycling priority system to guide supporting measures and maintenance

Within Villages, look for opportunities to:

- Fill sidewalk gaps, extend facilities where applicable
- Upgrade existing pedestrian facilities to contemporary standards
- Continue to adopt latest provincial maintenance standards

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#### **Needs and Opportunities**





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Safety and comfort of AT users on high volume streets, intersections and roundabout



Lack of permeability, linking key destinations and amenities



Need for contemporary design standards (e.g., Accessibility)



**Maintenance and Landscaping** 

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Active Transportation plays a vital role in promoting and sustaining a healthy community, a vibrant and thriving economy, an engaged and active population, while safeguarding the environment for future generations. This encompasses the Community Values established in the 2023 Strategic Plan.





**Solutions Considered** 

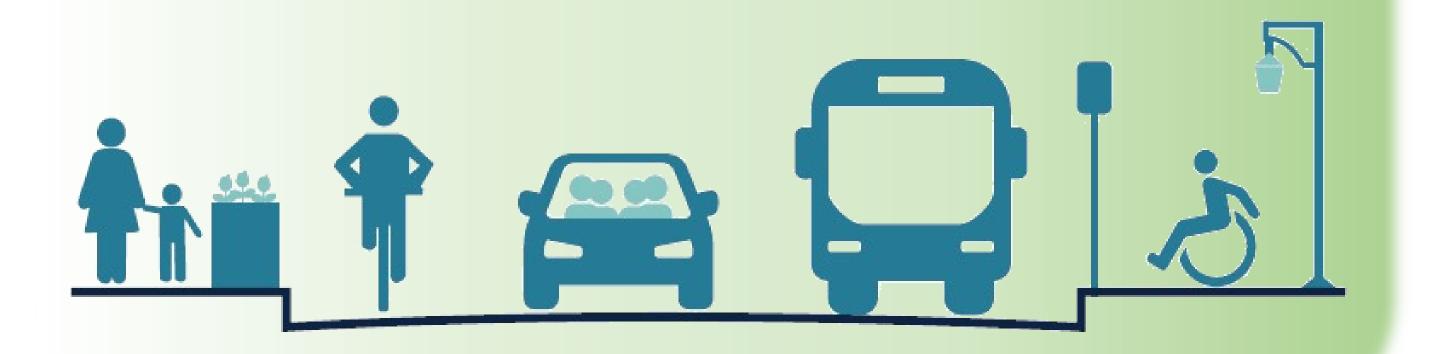
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# Infrastructure and Supporting AT Policy



#### The Complete Streets Approach







All urban streets should provide a sidewalk on at least one side; both sides if the context warrants it. Target optimal sidewalk width rather than the minimum width.

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#### **Different Urban Cycling Facilities Considered**

**Shared:** Fit for low traffic volume and low speed environments.



renewal situations. Highest quality environment for cyclists.



Which type of facility do you prefer to see in Almonte?



**Dedicated:** Flexible option used in retrofit situations.



# **Separated:** Fit for high volume streets; typically, new road construction or



#### **Almonte Cycling Priority System**



#### The Cycling Priority System is meant to guide investment and maintenance priorities of the cycling network.

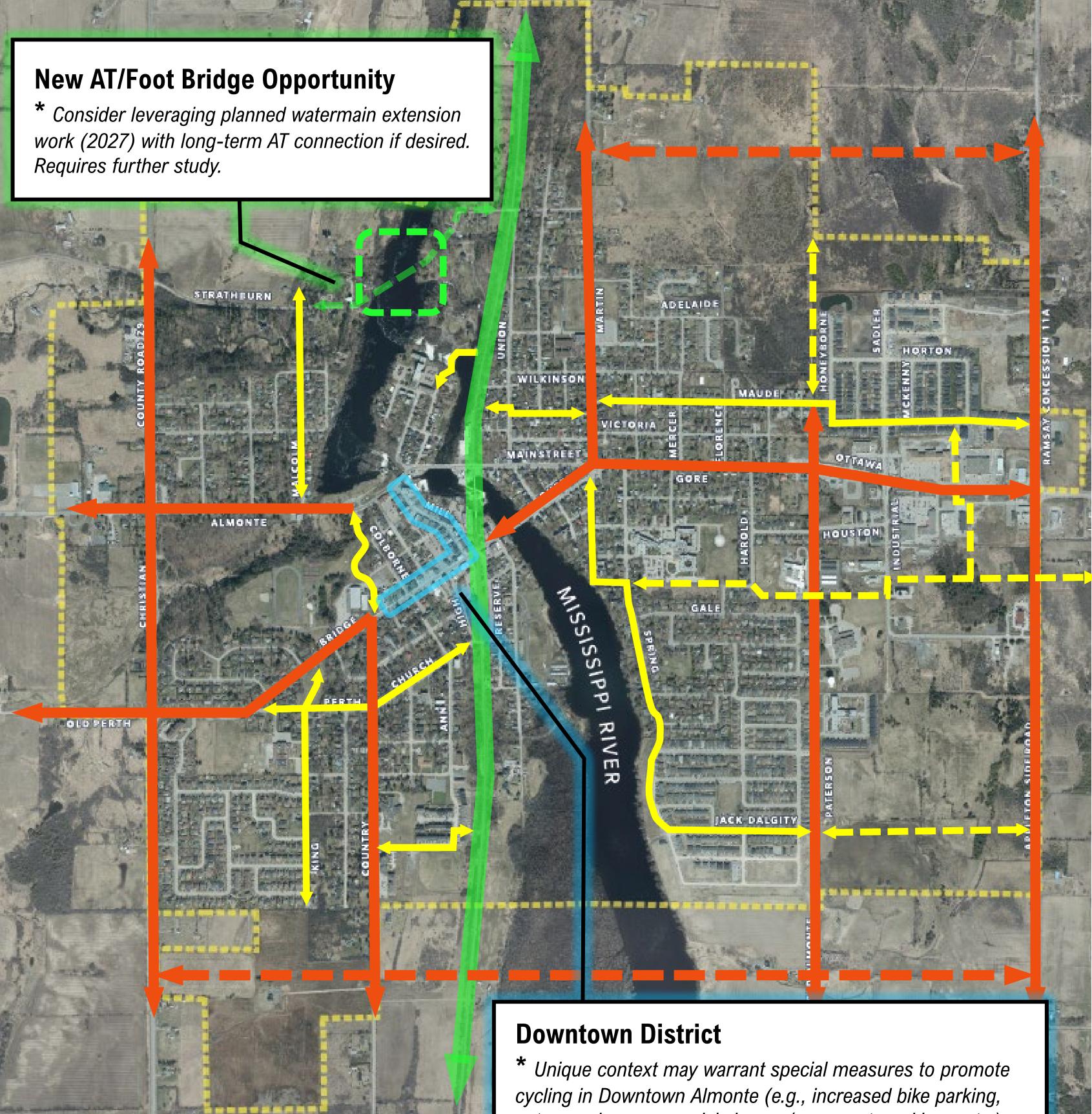
Local Routes (Yellow): Shared facilities on low volume, low speed local streets supported by pavement markings, signage and potentially traffic calming measures; intended for more vulnerable or less experienced cyclists.



**Commuter Routes (Orange): Separated or dedicated** facilities to maximize comfort and safety on higher class (with higher speeds and volumes) roads. Intended for experienced/commuter cyclists.

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gateway signage, special signage/pavement markings, etc.)



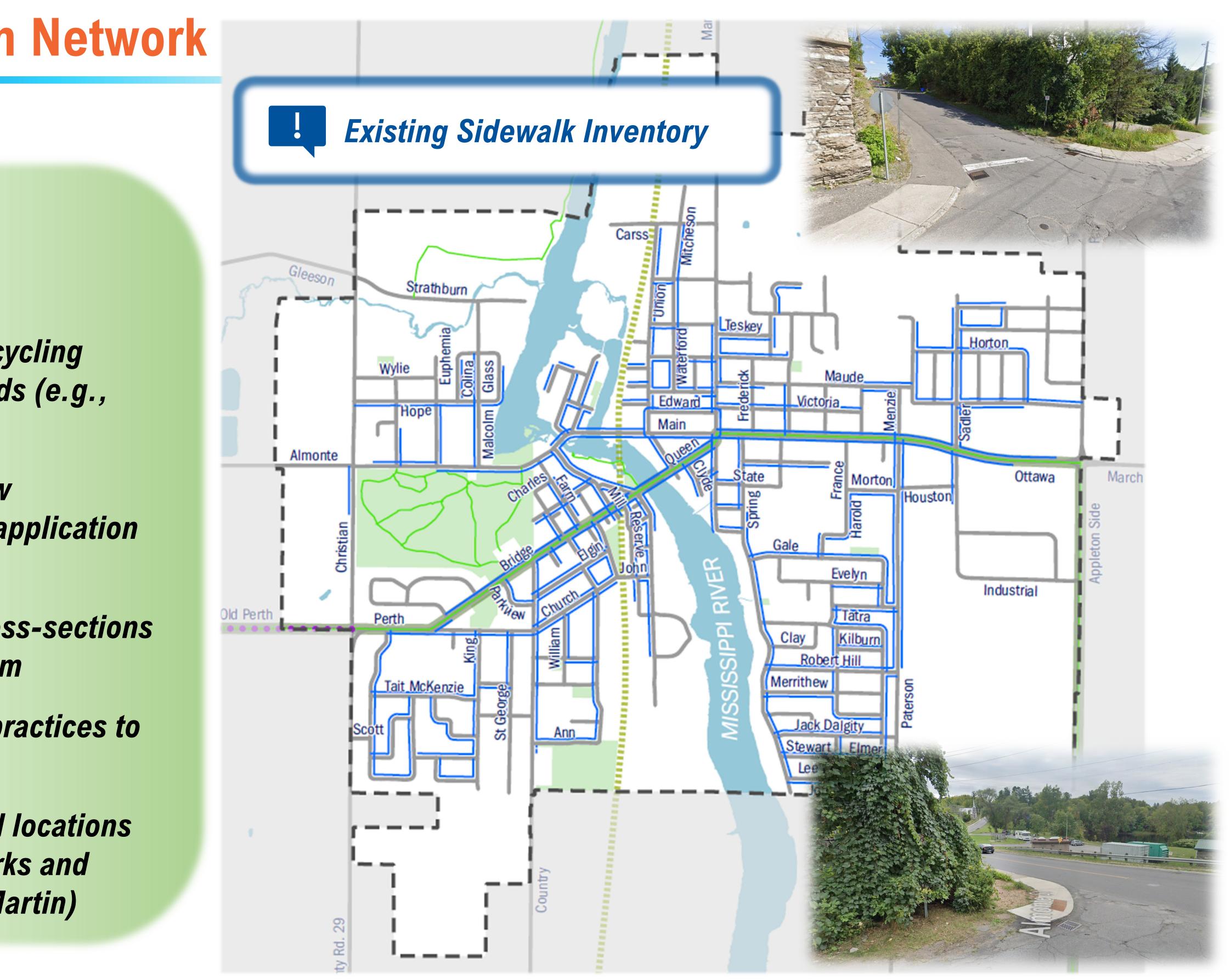
#### **Pedestrian and Cycling Networks**

#### Look for opportunities to:

• Fill in sidewalk gaps

- Upgrade existing pedestrian and cycling facilities to contemporary standards (e.g., target 1.8m sidewalk width)
- Incorporate AT permeability in new subdivisions within development application process
- Adopt updated standard urban cross-sections and Almonte cycling priority system
- Continue to update maintenance practices to Provincial standards
- Prepare functional study at critical locations where AT safety require major works and potential property (e.g., Ottawa/Martin)

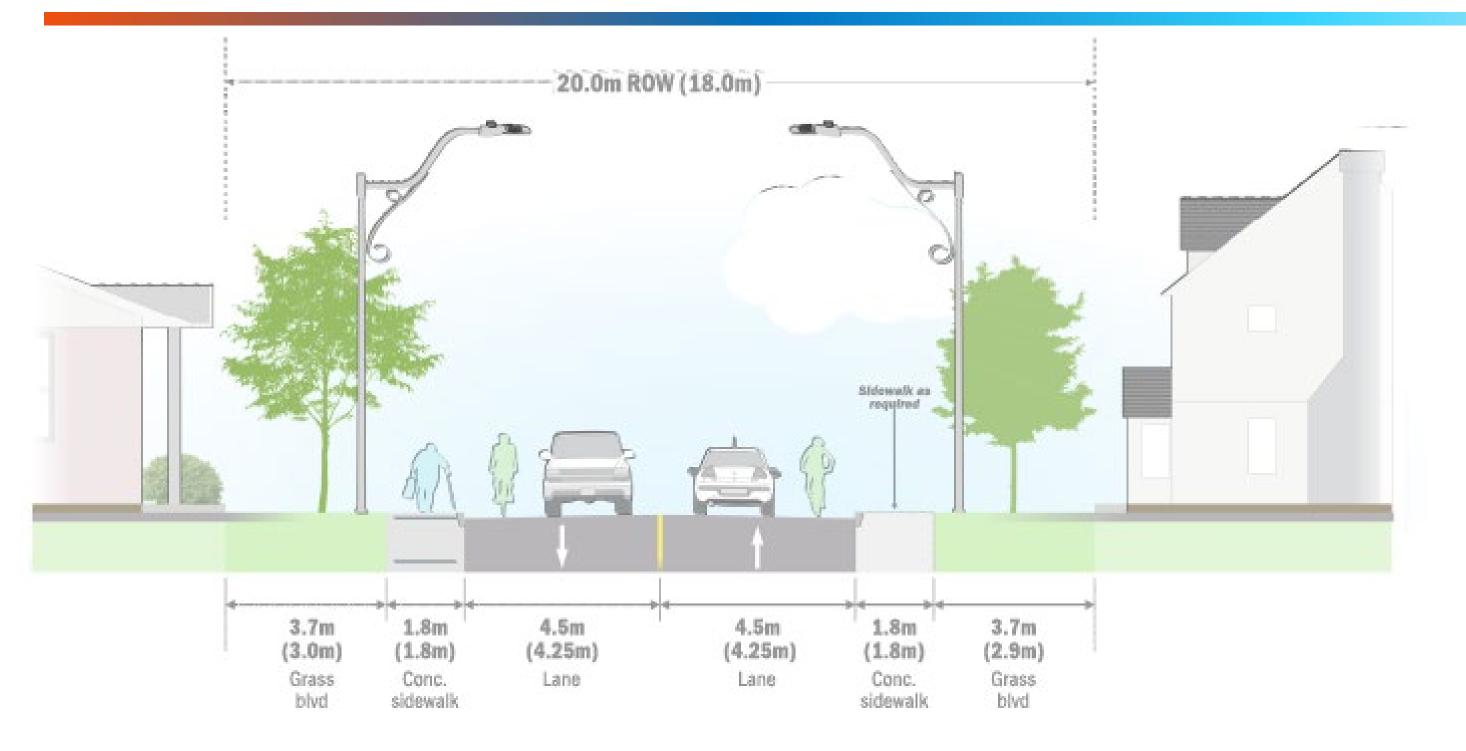
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# **Draft Complete Streets Standard Urban Cross-Sections**



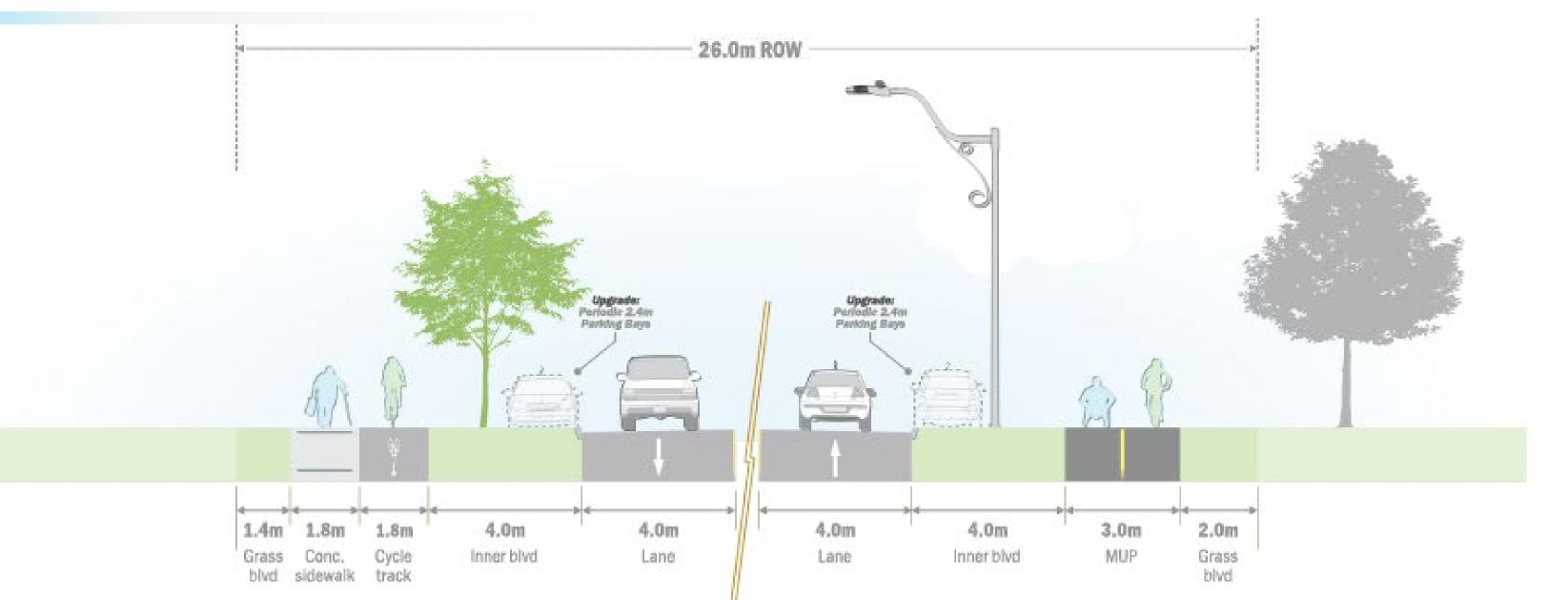
Local Street: 20.0m (18.0m) Right-of-Way (Urban) Sidewalk on one side (both sides as required)



Collector Street: 24.0m Right-of-Way (Urban) Option 1: Sidewalk with Cycle Track Option 2: Multi-Use Pathway

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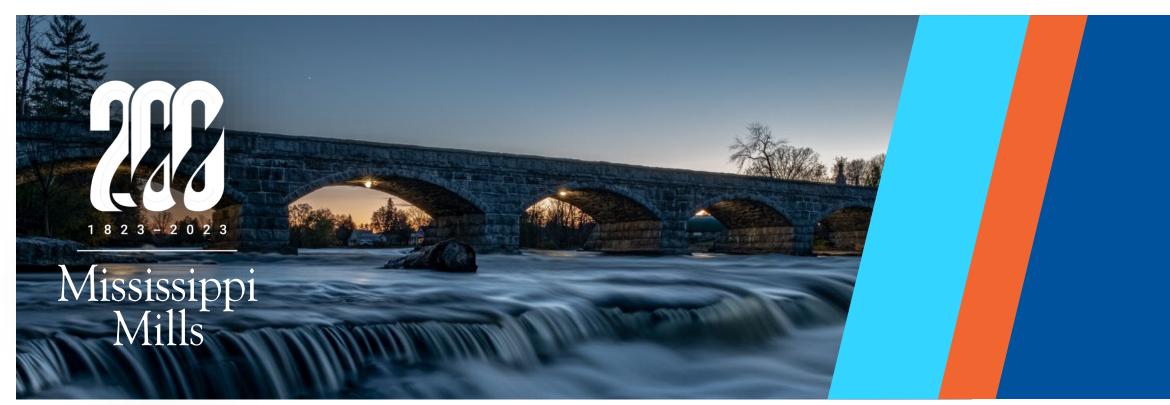


Arterial Street: 26.0m Right-of-Way (Urban): 2-Lane Undivided Option 1: Sidewalk with Cycle Track Option 2: Multi-Use Pathway

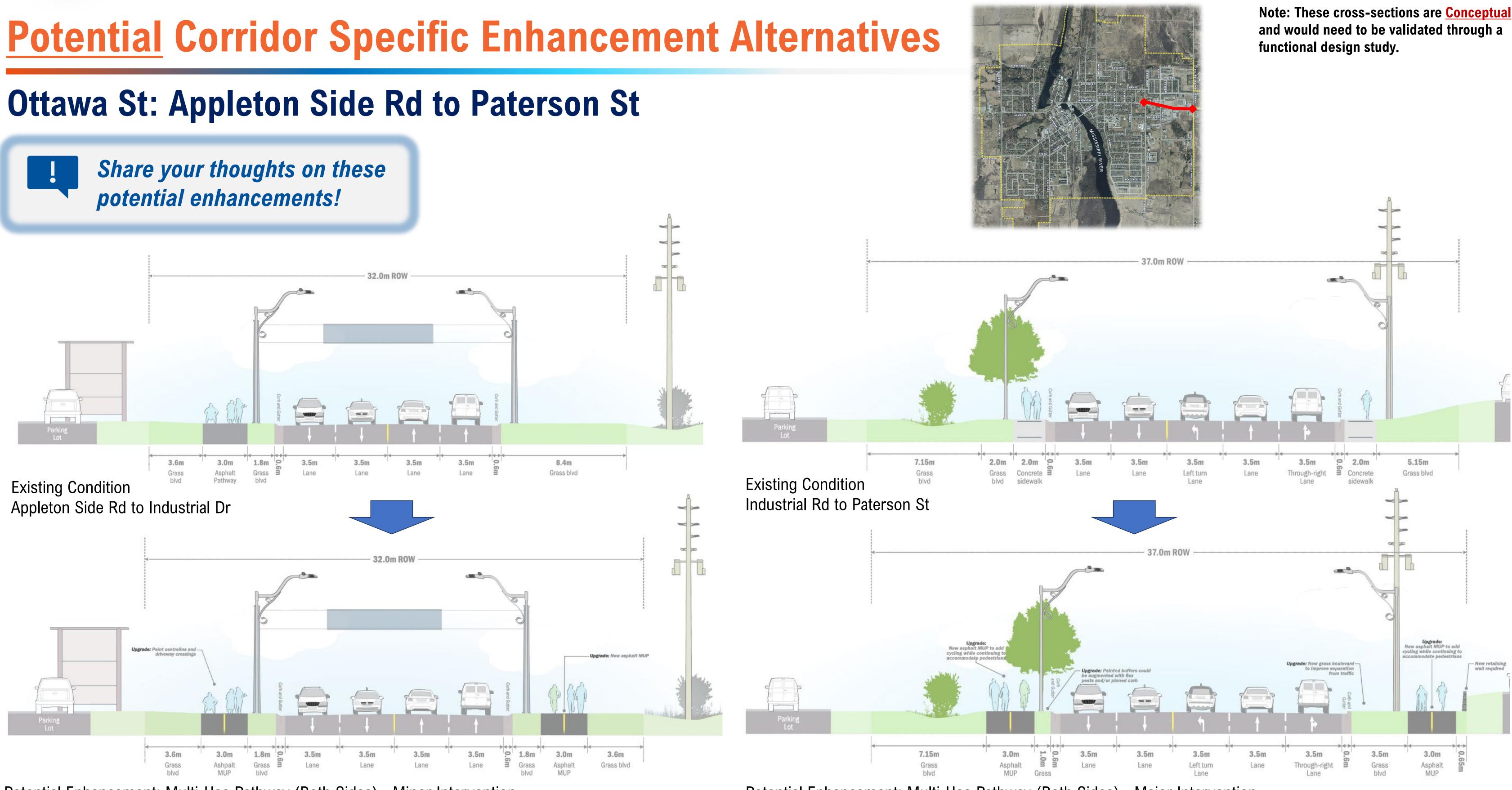
Arterial Street: 30.0m Right-of-Way (Urban): 4-Lane Undivided Option 1: Sidewalk with Cycle Track Option 2: Multi-Use Pathway



#### Do you prefer MUPs or Cycle Tracks? Both or Neither?



potential enhancements!



Potential Enhancement: Multi-Use Pathway (Both Sides) - Minor Intervention

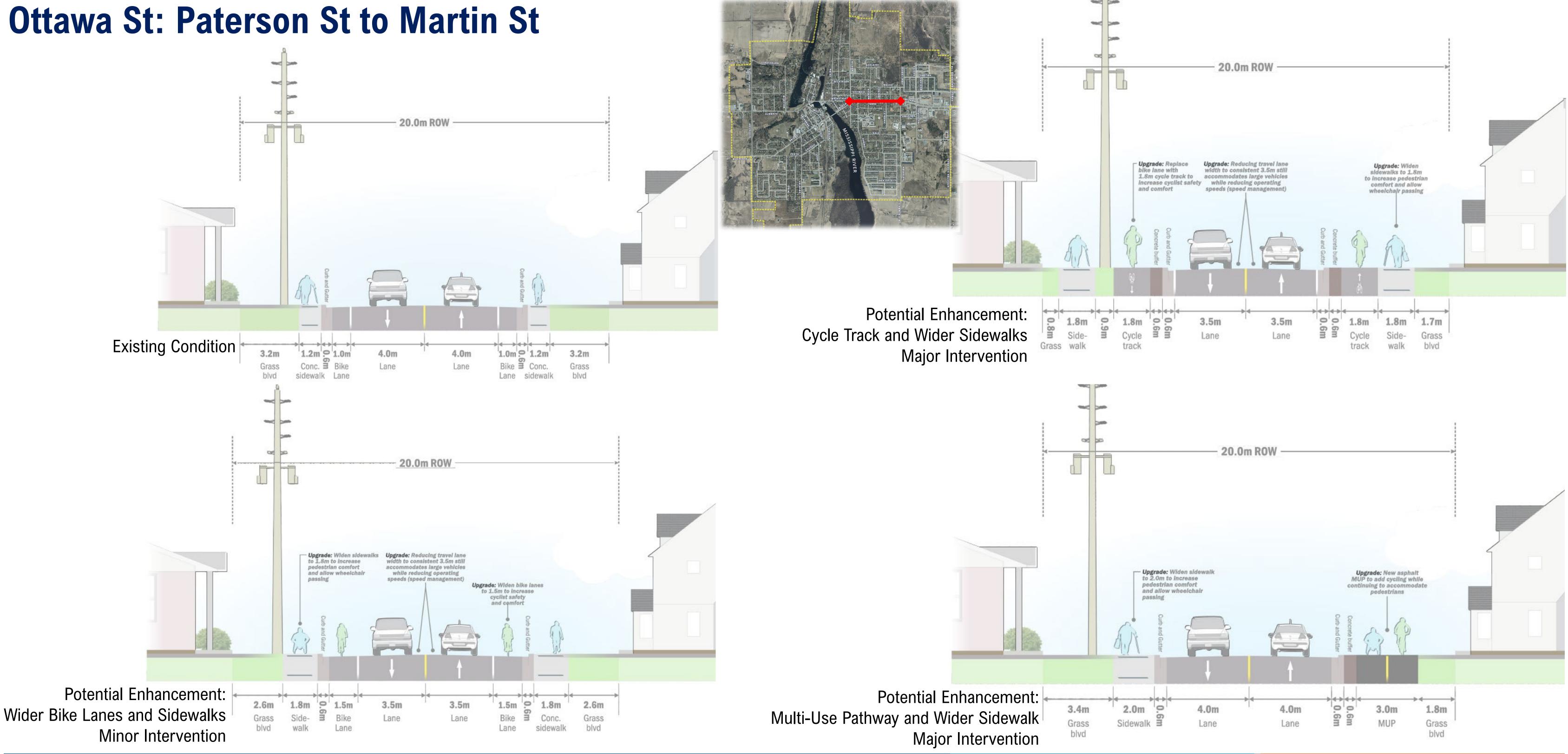
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Potential Enhancement: Multi-Use Pathway (Both Sides) - Major Intervention







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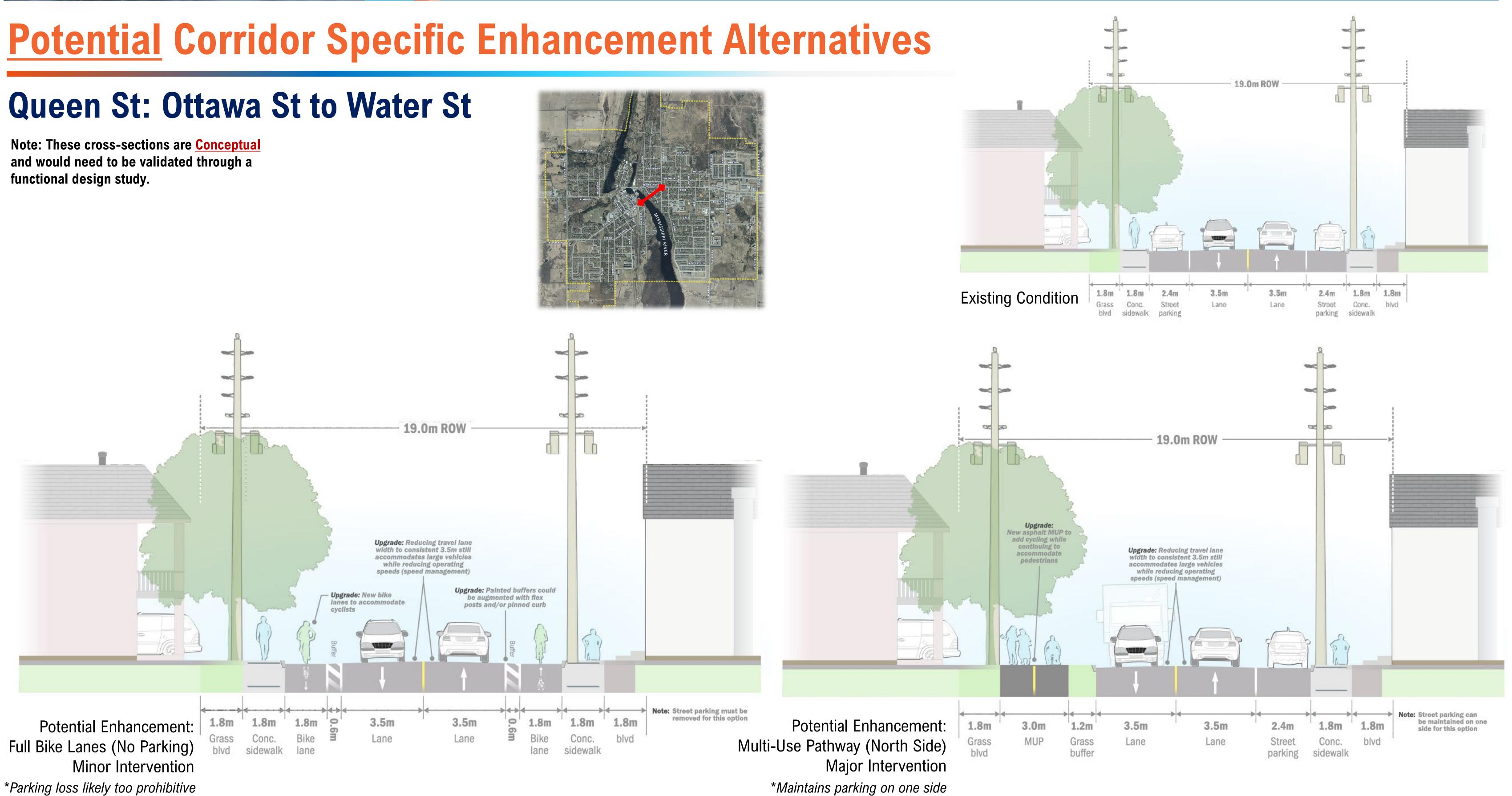


Note: These cross-sections are **Conceptual** and would need to be validated through a functional design study.



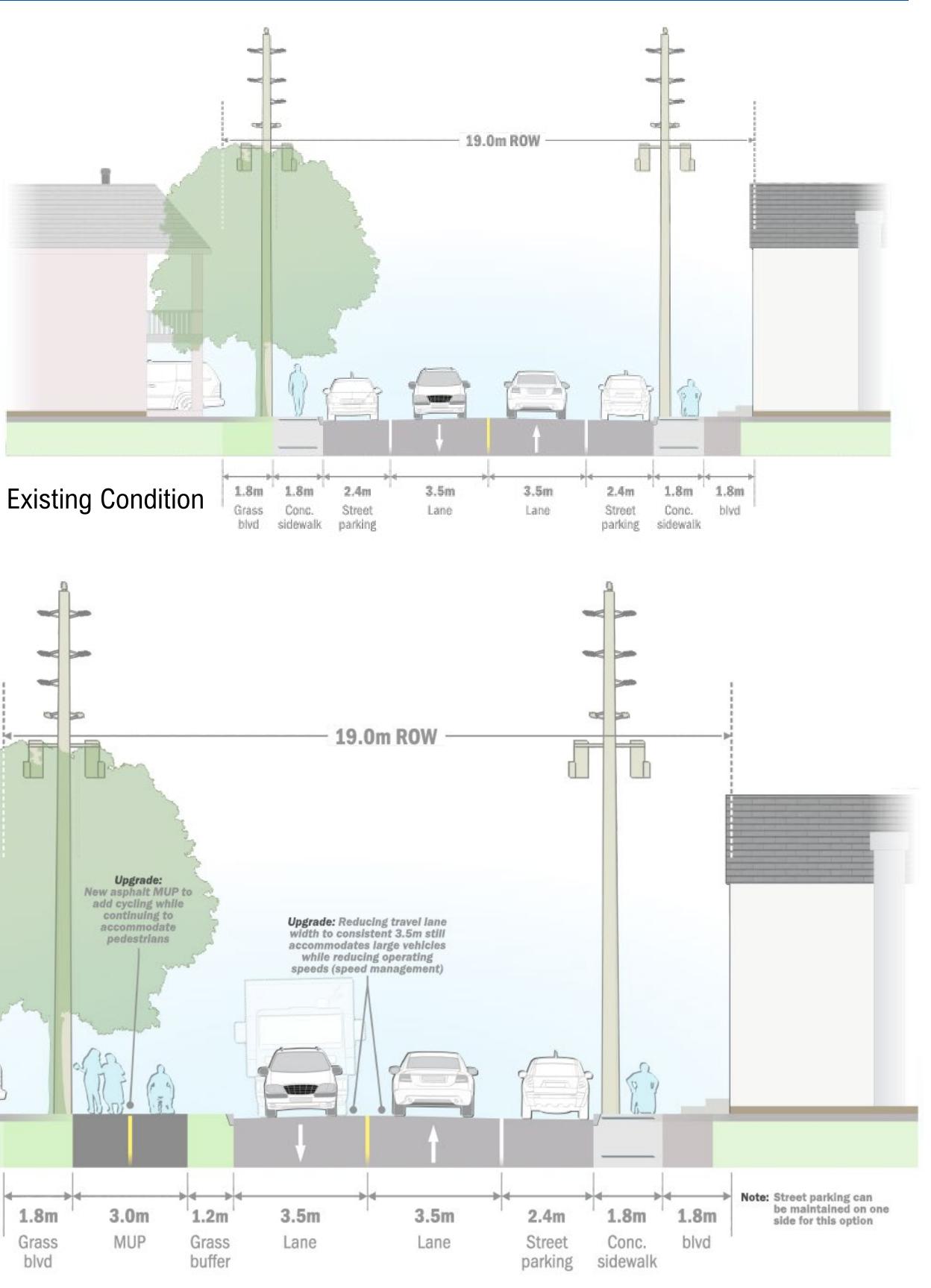
#### **Queen St: Ottawa St to Water St**

and would need to be validated through a functional design study.



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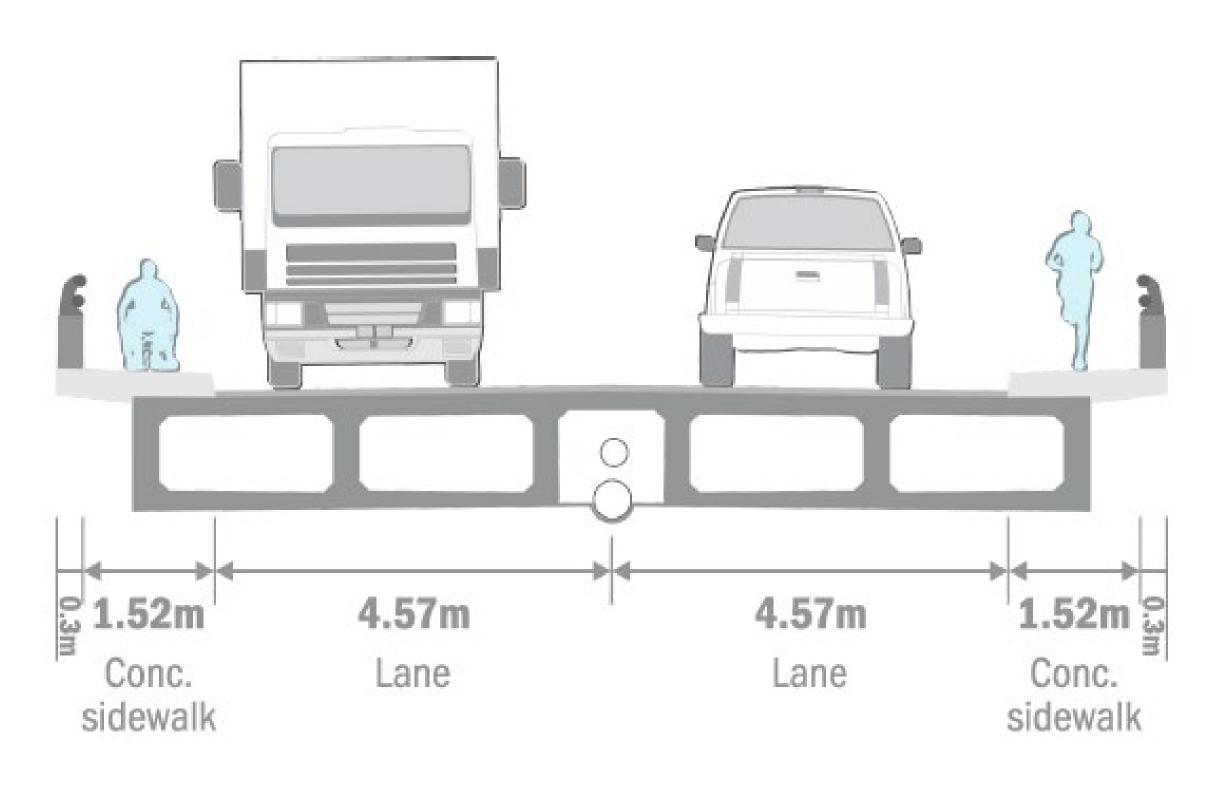






#### Queen St Bridge



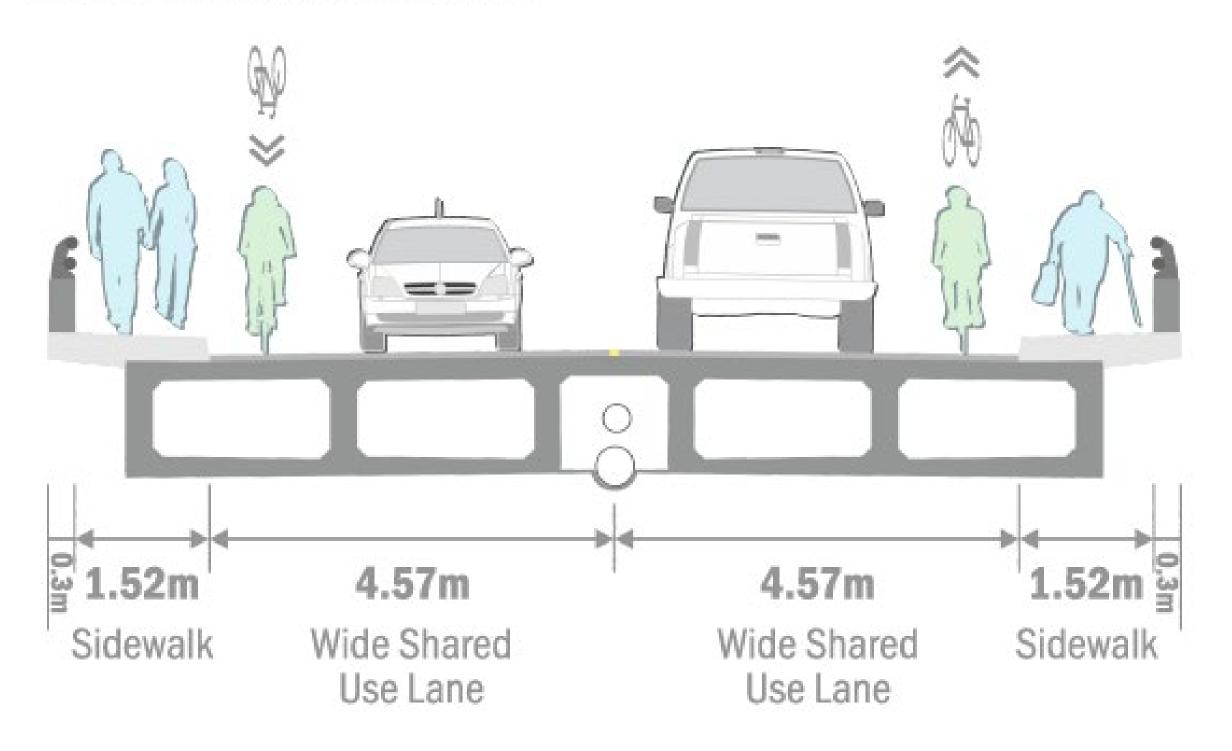


Existing Condition

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Consider speed management measures.



Potential Enhancement: Shared Use Treatments Minor Intervention



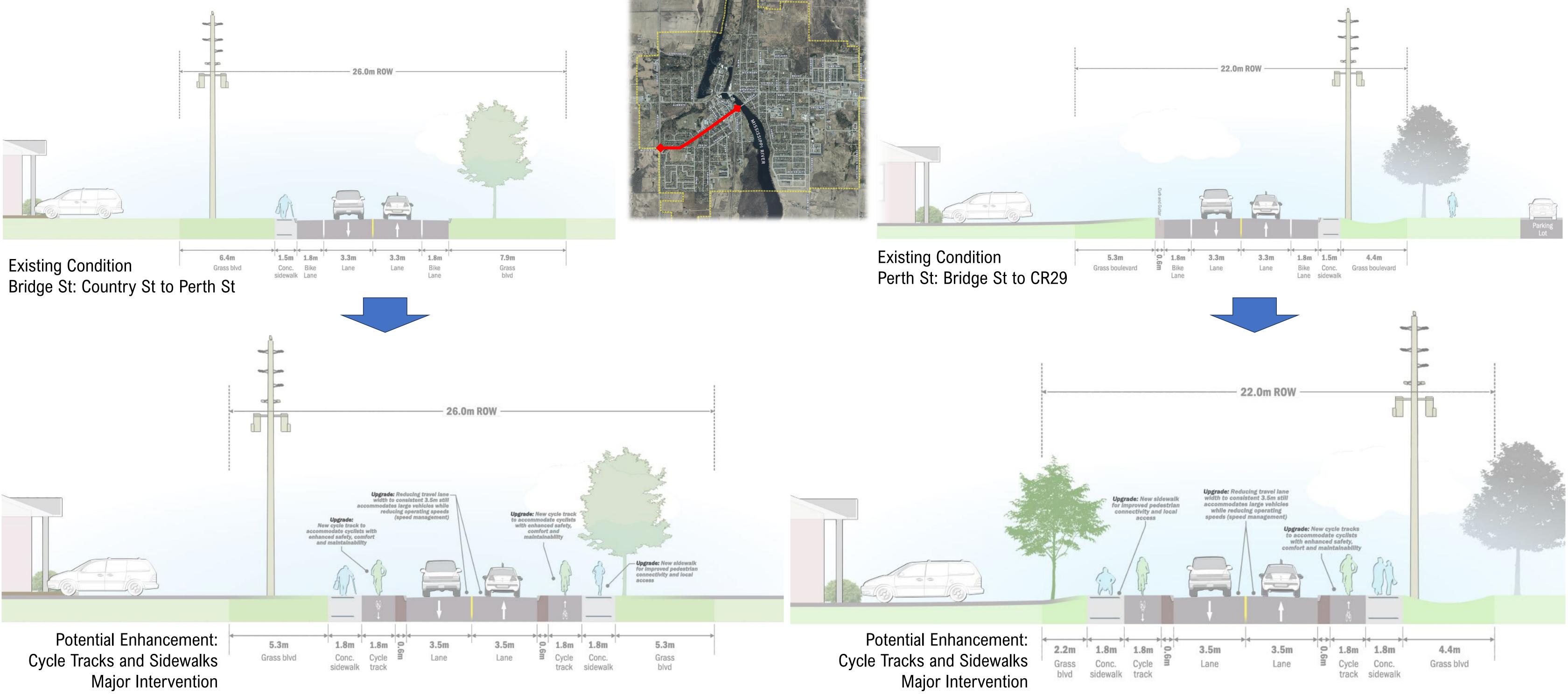
Note: These cross-sections are **Conceptual** and would need to be validated through a functional design study.

#### Stronger active transportation enhancements can be considered at the next lifecycle renewal period for the Queen St bridge.

Note: These cross-sections are **Conceptual**; they would be validated during the functional and detailed design.



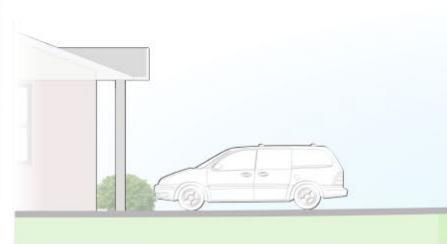
#### **Bridge St / Perth St: Country St to CR29**



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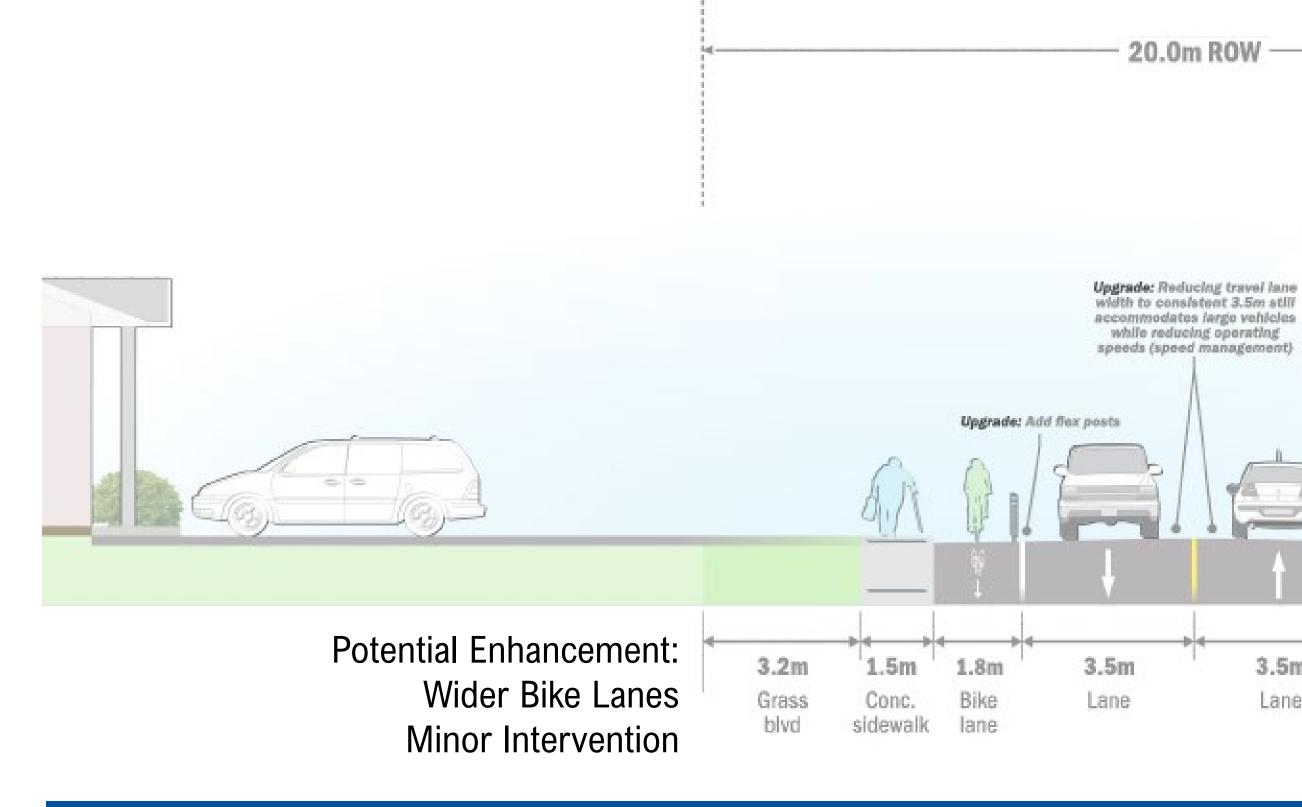


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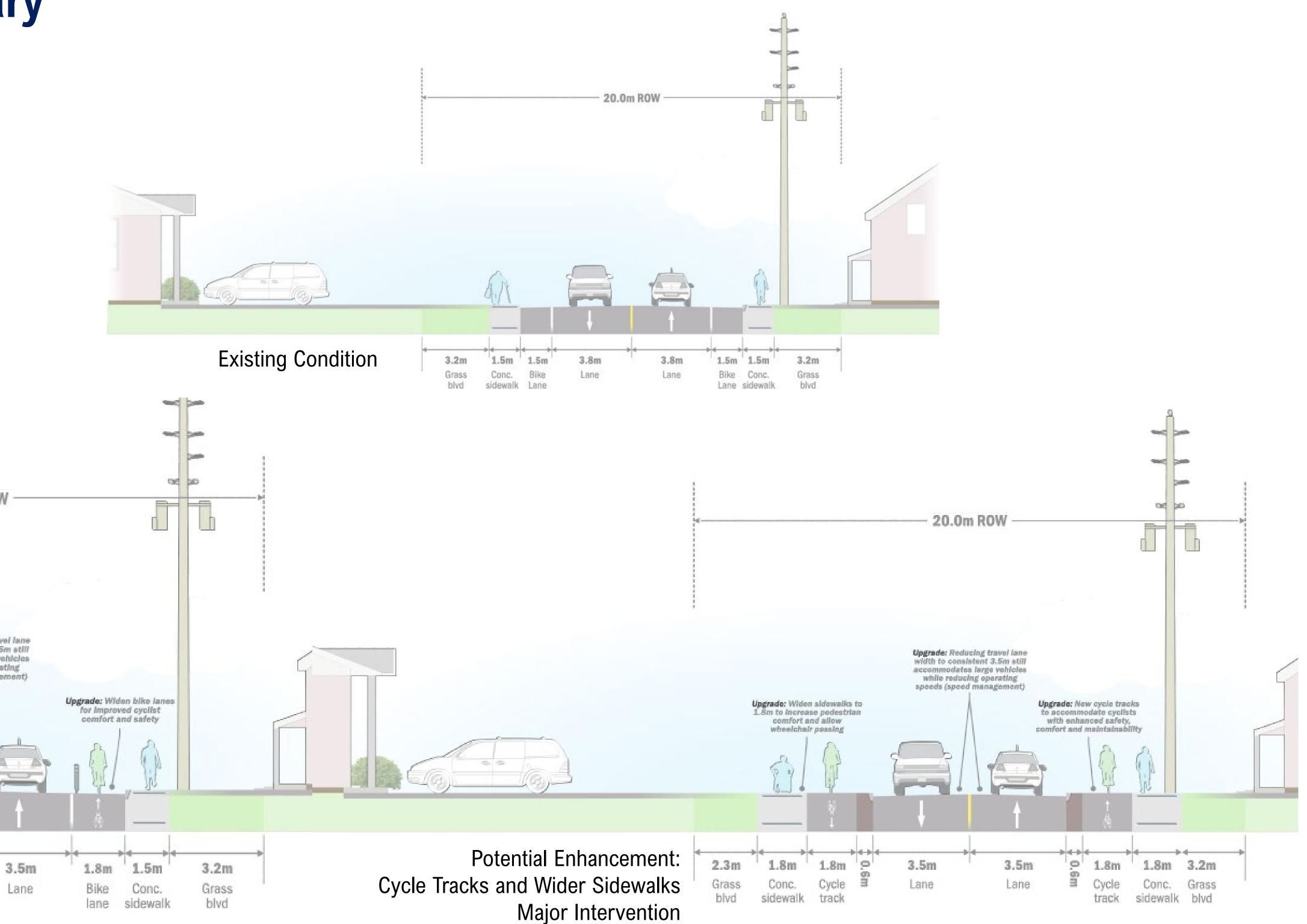
#### Martin St: Ottawa St to Town Boundary





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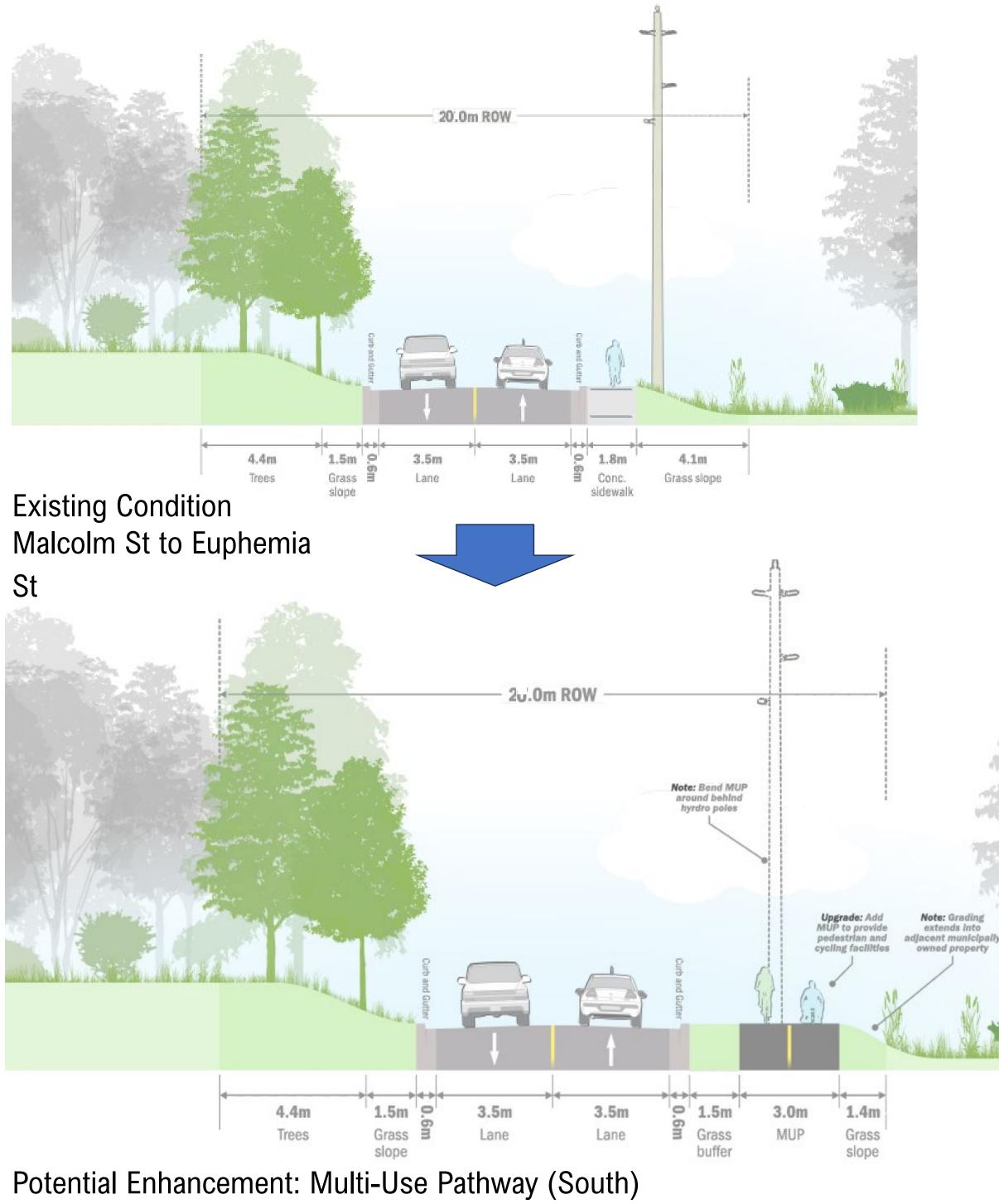




Note: These cross-sections are <u>Conceptual</u> and would need to be validated through a functional design study.



#### Almonte St: Euphemia St to CR 29

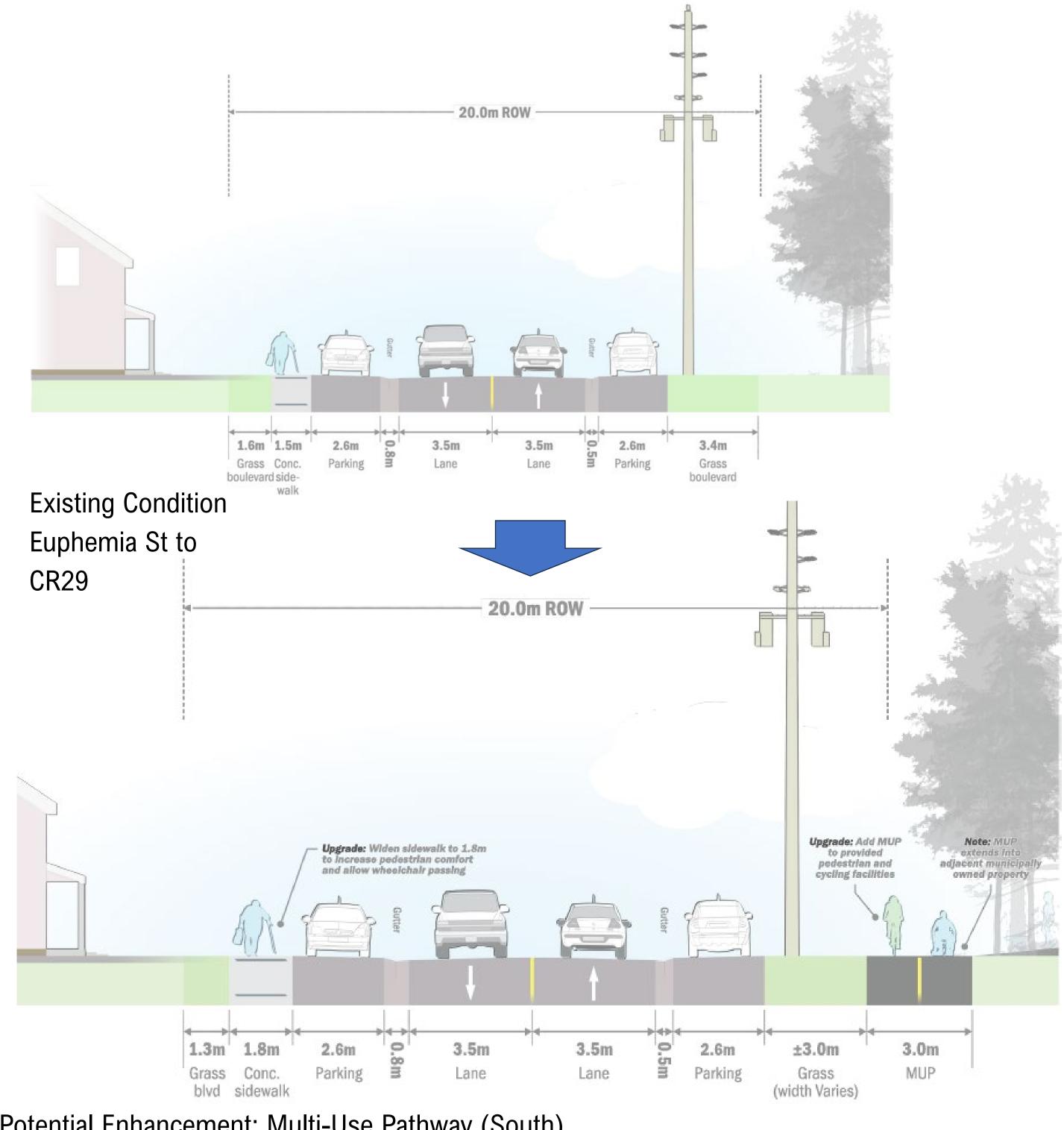


#### Major Intervention

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Potential Enhancement: Multi-Use Pathway (South) Major Intervention



Note: These cross-sections are <u>Conceptual</u> and would need to be validated through a functional design study.



# **Transit and Ridesharing**

#### **Needs and Opportunities**

#### What We Heard:

- Many complaints about lack of public transit (internally and to/from other municipalities)
- Develop shuttle service for local trips / appointments
- Taxis too expensive
- Not enough affordable transportation options for seniors or low income
- Alternate travel modes needed, particularly public transit for winter
- Develop or incentivize carpooling service/programs
- Consider new Park and Ride locations (e.g. Conc 4A & Hwy 7)



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#### What We Have Learned:

- Almonte.
- service.
- station at Moodie Dr.





Lanark Transportation Authority (LTA) is slowly resuming pre-covid "Ride the LT" service, including Carleton Place, Perth and is looking to expand to

LTA is focused on service within the County.

Leduc Bus Lines Ltd, a private commuter transit operator is engaging the public to potentially resume

**Ottawa Stage 2 LRT – Confederation Line West is** expected to be completed in 2025, with the last



# **Transit and Ridesharing**

#### **General Considerations**

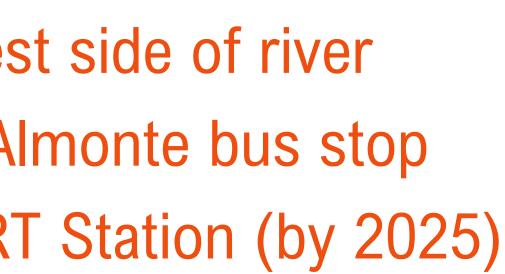
#### • If Leduc resumes private commuter service:

- Establish a bus stop in Almonte on west side of river
- Consider a park and ride lot near the Almonte bus stop
- Ensure final stop is at least Moodie LRT Station (by 2025)

(m)	/ Peak Headway	Downtown
Carp Park n Ride 25kms/	20 min 1 route, 30 mins	s 2
CTP Park n Ride 28kms/	22 min 3 routes, 30 min	ns 2
Terry Fox Park n Ride 30kms/	25 min 9 routes, ~5 mir	ns 2
Moodie LRT Station (Future) 37kms/	26 min LRT, ~5 mins	1



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#### NEWS

#### 'Game changer:' New Lanark County community carpool program shifts into gear

Residents of Lanark County can connect to share rides to increase transportation accessibility and reduce their carbon footprint with a new initiative

#### **Other Considerations:**

- Conc 4A)
- travellers

#### **Explore carpool and ridesharing programs**

Consider new park and ride lots near Almonte or Hwy 7 at western limit of municipality (e.g. CR 9 or

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Engage LTA and other municipalities to explore contemporary rural transit options (e.g. on-demand transit) and explore co-funding opportunities

Fund a transit feasibility study to leverage upcoming opportunities and to evaluate and cost long-term transit options for the Municipality. The study should consider all contemporary transit offerings to serve both commuters and local



- more human powered transport
- Active Transportation Define minimum and optimal standards based on treatments, etc.); encourage a coordinated planning approach to future support, strategies and guidance towards education and promotion.
- **Climate Change** Align TMP with Lanark County climate change priorities;

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**Complete Streets Approach** – General policy support; link transportation to land-use planning by integrating "complete streets" principles into future planning documents (Community Official Plan, etc.); update municipal design standards/guidelines include accommodations for all users on all streets; adopt complete streets cross-sections on all new and retrofit streets to encourage

industry **best practice** (e.g., sidewalk width, cycling facility type, intersection development activity that ensures network "permeability" for active users; identify and protect property needed for future "missing links"; provide policy

leverage active transportation to reduce transportation-related emissions for local trips (e.g., intra-village trips); reduce single-occupancy non-local vehicle trips (e.g., inter-regional trips) through transportation demand management.

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# LANARK COUNTY **Climate Action Plan Quick Reference Guide**



- **Road Classification System** Review existing road classification system in both urban and rural environments; refine standard cross-sections for different road classes; provide guidance for future planning policy, roads to better match land-use contexts with transportation functions
- **Road Design Criteria** Identify basic design criteria for each road class to on arterial roads; leverage current provincial & national road design standards; consider adopting greater paved shoulder widths in rural contexts
- Zero); consider opportunities to improve rural traffic calming such as

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development approval, distinguishing between "local" and "collector/arterial"

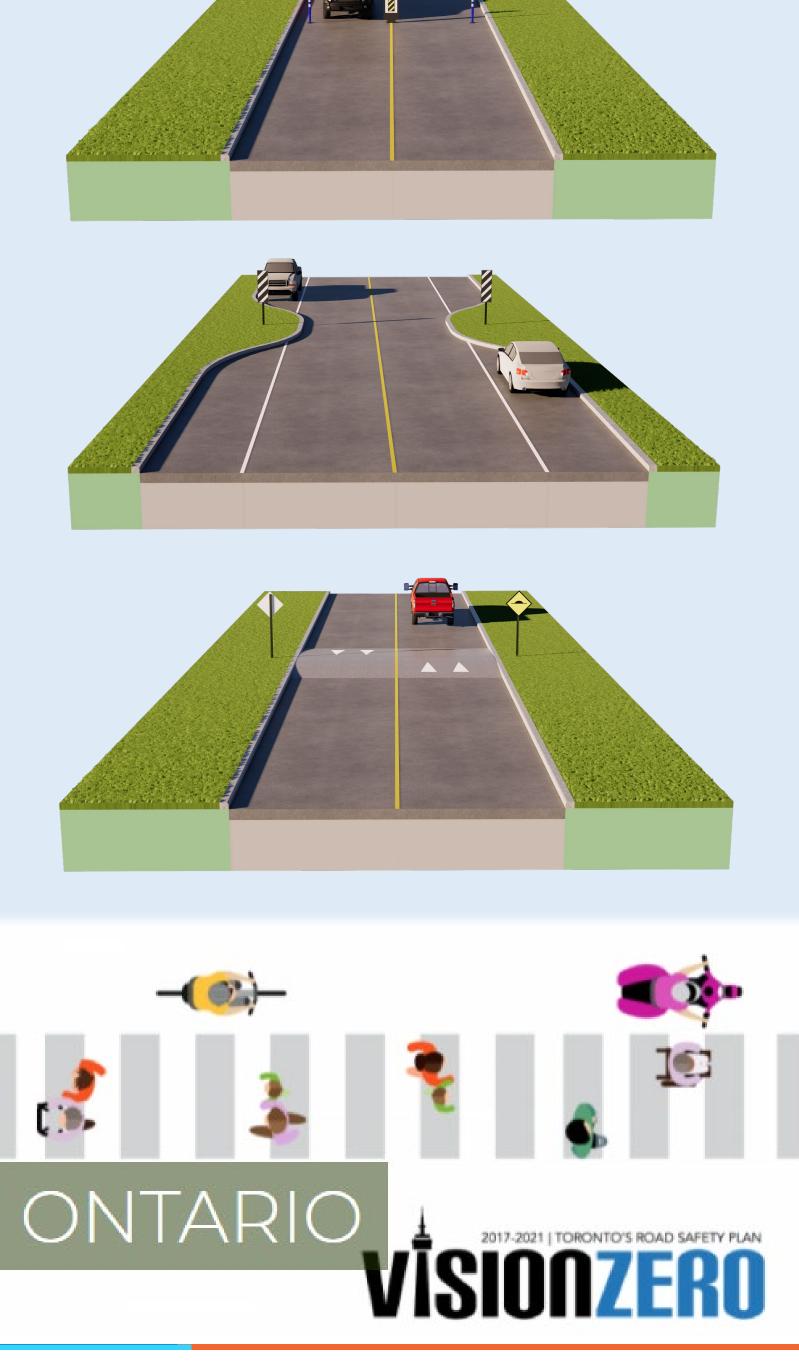
guide future road infrastructure e.g., limit the number of private approaches

**Safety – Establish an overall approach to traffic calming (as per 2020-2023)** Strategic Plan); review **best practices** from other municipalities (e.g., Vision "gateway" features in urban/rural transition zones; conduct high-level review of specific concerns heard and provide basic input on possible mitigation



#### **Traffic Calming**

**Contemporary road network planning and** design often consider traffic calming measures with the goal of improving quality of life and safety for all road users.



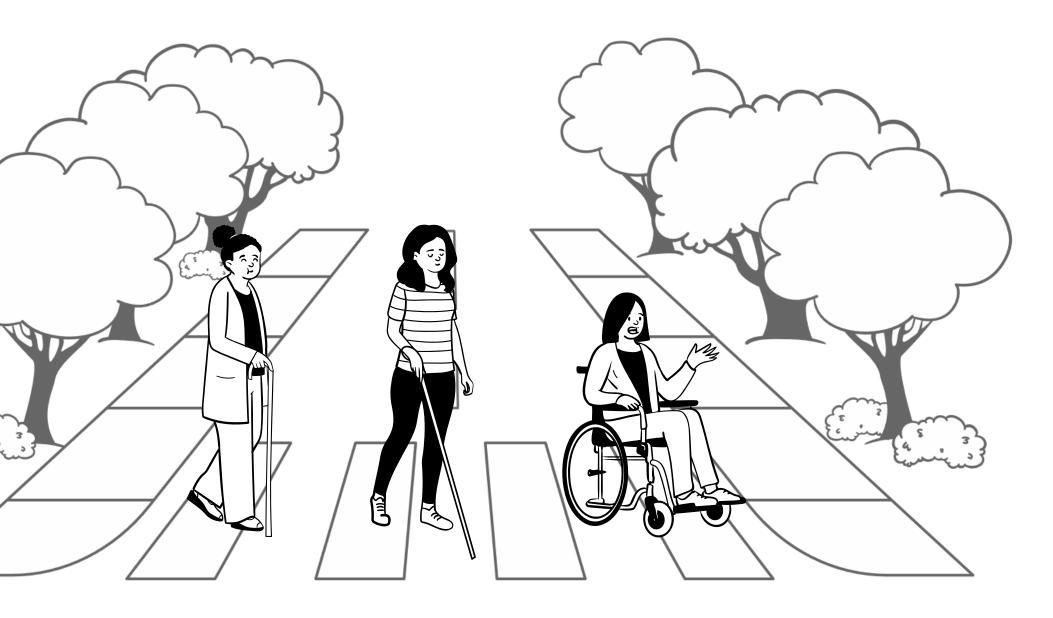


- **Accessibility Remove accessibility barriers** from pedestrian facilities (including intersections) in accordance with provincial and regional policies; apply contemporary design principles (e.g., "Eight-to-Eighty") to transportation infrastructure that ensure high levels of accessibility across all age groups; provide high-level guidance on the provision of street-furnishing (i.e., benches, etc.) at minimum intervals as per relevant accessibility guidelines, explore options for increasing the **density of "rest-areas"** along key road, pathway corridors.
- Maintenance Reference latest provincial requirements; apply a lens of sustainability, lifecycle costs to transportation infrastructure planning and investment.
- **Transportation Demand Management** Acknowledge importance of reducing single occupant vehicles; identify potential strategies and potential programs to encourage sustainable modes of travel

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#### ACCESSIBILITY FOR ONTARIANS WITH DISABILITIES ACT (AODA)





- Transportation Impact Assessment Guidelines Develop a framework, identify general triggers and processes to support the application process for new developments/ subdivisions
- Transit and Ridesharing General policy suggestions if commuter transit service resumes; highlight the importance of **cooperation** between private operators, adjacent municipalities and the County; develop strategies to promote ridesharing
- Funding, Promotion and Monitoring Provide high-level considerations and identify potential opportunities to support TMP recommendations











# Mississippi Mills 2048 Our Community, Our Future



**Rural Transit Solutions Fund** \$250 million

This Fund supports locally-driven transit solutions for rural and remote communities, with flexibility for different local transit system innovations from fixed route to on-demand services to ride-shares.

# HOWWE

#### Zero Emission Transit Fund

\$2.75 billion

This Fund supports public transit and school bus operators plan for electrification, supports the purchase of 5,000 zero emission buses and build supporting infrastructure.

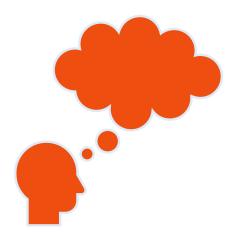
#### Active Transportation Fund \$400 million

This Fund invests in projects that build new and expanded networks of pathways, bike lanes, trails and pedestrian bridges, in addition to supporting active transportation planning activities.



### **Share Your Thoughts!**

#### Help us Shape the Future of Transportation in the Municipality



Use a <u>Sticky</u> and tell us what you think about the TMP, and the information presented today. Was anything missed? Be as general or specific as you like!

### Mississippi Mills 2048 Our Community, Our Future





# THANK YOU FOR PARTICIPATING!

# What is next for the TMP?

#### The study team will:

- Review and incorporate feedback received at PIC #2.
- **Confirm Technically Preferred Solutions, develop the** Implementation Plan with cost estimates, and prepare the draft TMP Report in Q1 2024 for public review.
- For more information, questions or comments, please contact the team.





Please fill out a **Comment Sheet** if you have further input or more detailed comments for us to consider.

# Mississippi Mills 2048 Our Community, Our Future

https://www.mississippimills.ca/en/how-we-go.aspx

# HOWWE



#### Visit the TMP Webpage for updates and additional information about the study.