

# City of Leduc Transportation Master Plan Council Presentation

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May 26<sup>th</sup>, 2025





# Today's Agenda

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- TMP Overview & Direction
- Engagement Outcomes
- TMP Modelling & Technical Process
- Recommendations
  - Active Transportation
  - Transportation Network (Offsite Levy)
  - 50<sup>th</sup> Ave Safety Review
- Next Steps

# Transportation Master Plan Overview

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The Transportation Master Plan (TMP) establishes the framework for transportation investments for the City of Leduc over the long-term horizon.



## PHASE 1 - WHERE ARE WE NOW?

Understanding current issues, needs and opportunities in Leduc, including the Noise Assessment.



## PHASE 2 - WHERE DO WE WANT TO GO?

Creating common vision on how the City will evolve with growth and where we want to be.



## PHASE 3 - HOW DO WE GET THERE

Aligning related programs to help growth initiatives, efforts and strategic investments with the Transportation Master Plan.

WE ARE  
HERE

# TMP Scope

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- **Active Transportation:** Expand Multiway Network, Pedestrian Safety Enhancements, Trail System Enhancements
- **Roadway Network:** Highway Connections, Major Corridor & Intersection Enhancements, Access management and surface transportation noise
- **50<sup>th</sup> Ave Safety Review:** Access Consolidation, Safety Management, Alignment with UCRP



# TMP Technical Process

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## Active Transportation

- Review existing active transportation networks and identify missing links (gaps in the network) or substandard conditions (inadequate surface types or width)



## Network Inventory & Analysis

- Document road classification, traffic volumes, truck and dangerous goods routes, and at-grade rail crossings
- Update the travel demand model



## Operational & Capacity Analysis

- Assess existing and projected operations on key corridors and arterial intersections
- Roundabout feasibility review at 74 Street/50 Avenue and Rollyview/C.W. Gaetz Road
- Review of downtown transportation network



## Off-site Levy & Capital Planning

- Review off-site levy project timing and determine whether new projects or modifications to existing projects are required

# TMP Engagement Outcomes

## What We Asked:

- What principles should drive transportation investments as the City Grows?
- How do people currently move around the City?
- What is working well, and what could be improved?
- What would you like to see more or less of?
- What advantages currently exist?

## Road Network Improvements

- Desire for improved and safer highway connections
- Address congestion along busy corridors such as Highway 2A, 50 Avenue and other arterial roadways

## Participation:

- 610 Submission to Online platform
- In-person Bike Tour (10 attendees)
- Internal Department Engagement Meetings
- Upcoming Open House

## TMP Engagement

## Active Transportation

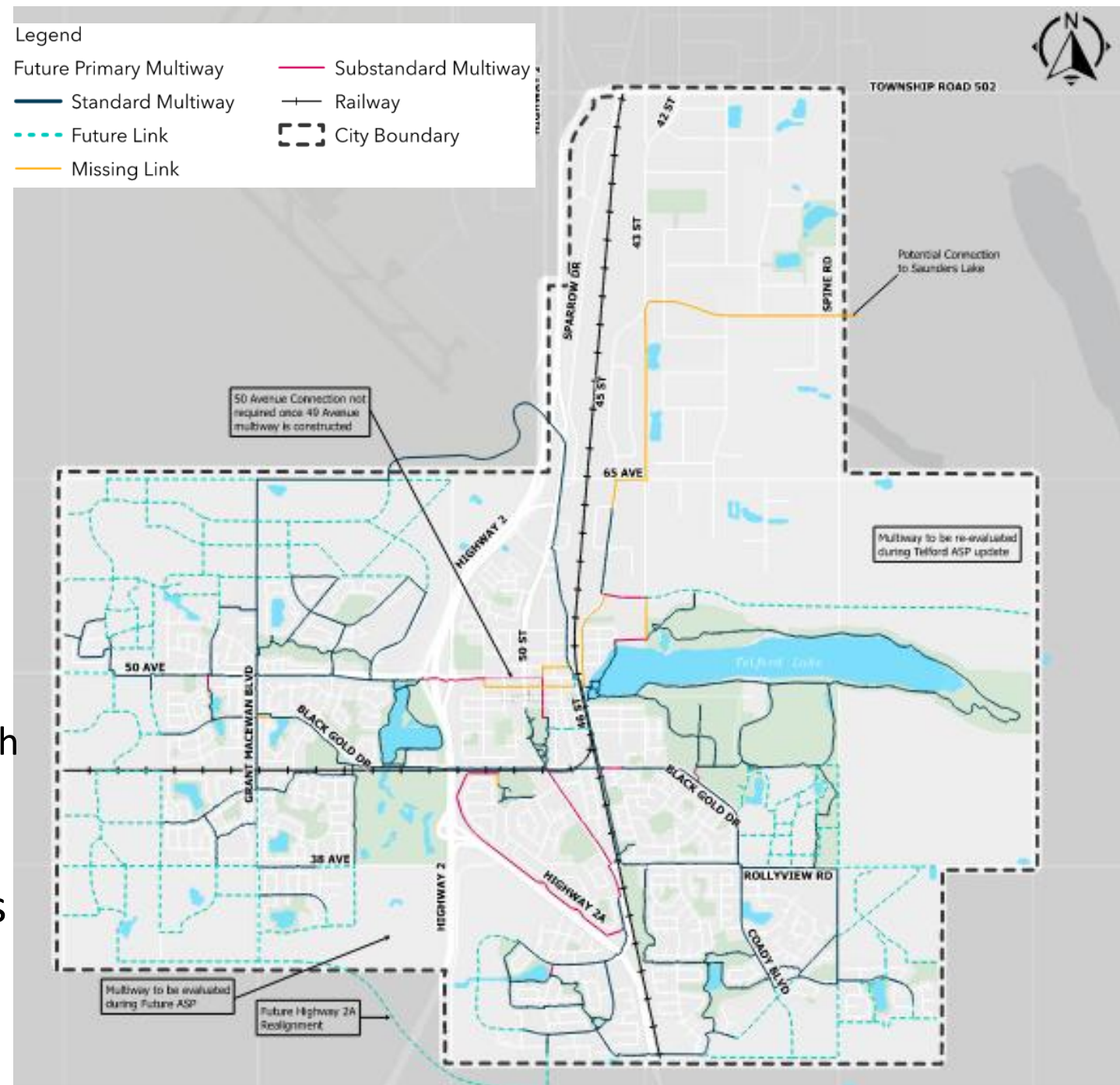
- Better multiway, sidewalk, trail connectivity
- Improved safety near schools and places with vulnerable users
- Improved consistency of paved surface

## Other Concerns

- Better cycling connections for commuters and recreational use
- Concerns on signal timing and intersection operations
- Enforcement of speed concerns and noise

# Multiway Recommendations

- 52 Street & 49 Avenue and 49 Street & 51 Avenue
  - Provides connectivity through downtown without limiting vehicular traffic on 50 Avenue
- 50 Street Multiway
  - Removes the need for connections through Corinthia and Linsford Park
- Developers should complete multiways as neighborhoods develop



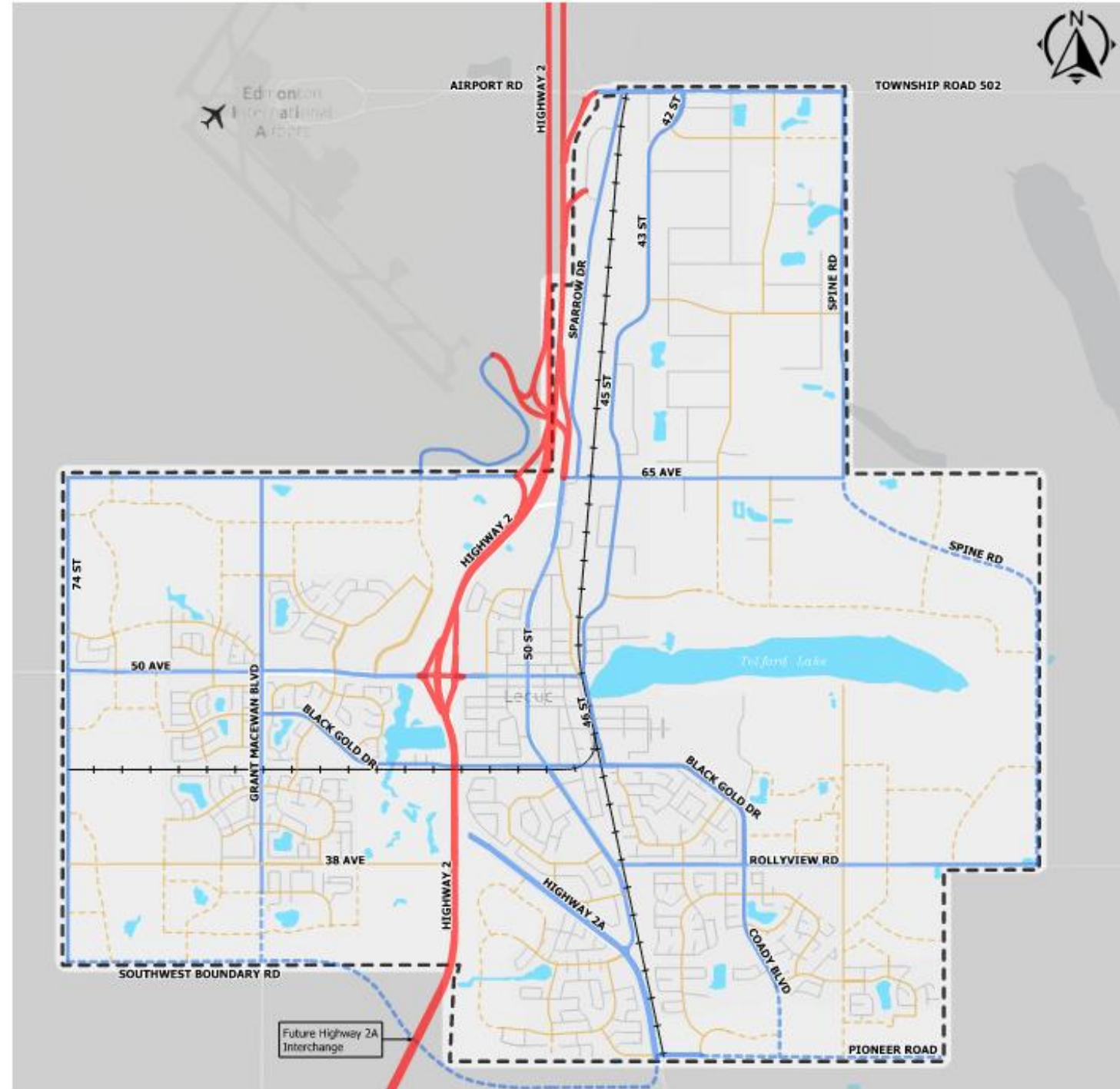
# Future Road Network

## Future Upgrades:

- New Connections to Developing Neighbourhoods
- Highway 2A Realignment

### Legend

	Alberta Transportation Highway		Future Arterial
	Arterial		Future Collector
	Collector		Future Local Roads
	Local Roads		
	Railway		
	City Boundary		



# Short Term Projects

## Highlights:

- 74 Street
- 65 Avenue West
- Grant MacEwan Boulevard
- Pioneer Road & Coady Boulevard
- Roundabout Intersection Improvements



# Medium Term Projects

## Highlights:

- Grant MacEwan Boulevard with Traffic Signals
- Pioneer Road Traffic Signals
- Spine Road
- 50<sup>th</sup> Avenue



# Long Term Projects

## Highlights:

- 65 Avenue West / East
- 50 Avenue
- Southwest Boundary Road with Roundabout
- Spine Road with Traffic Signals
- 45/43 Street



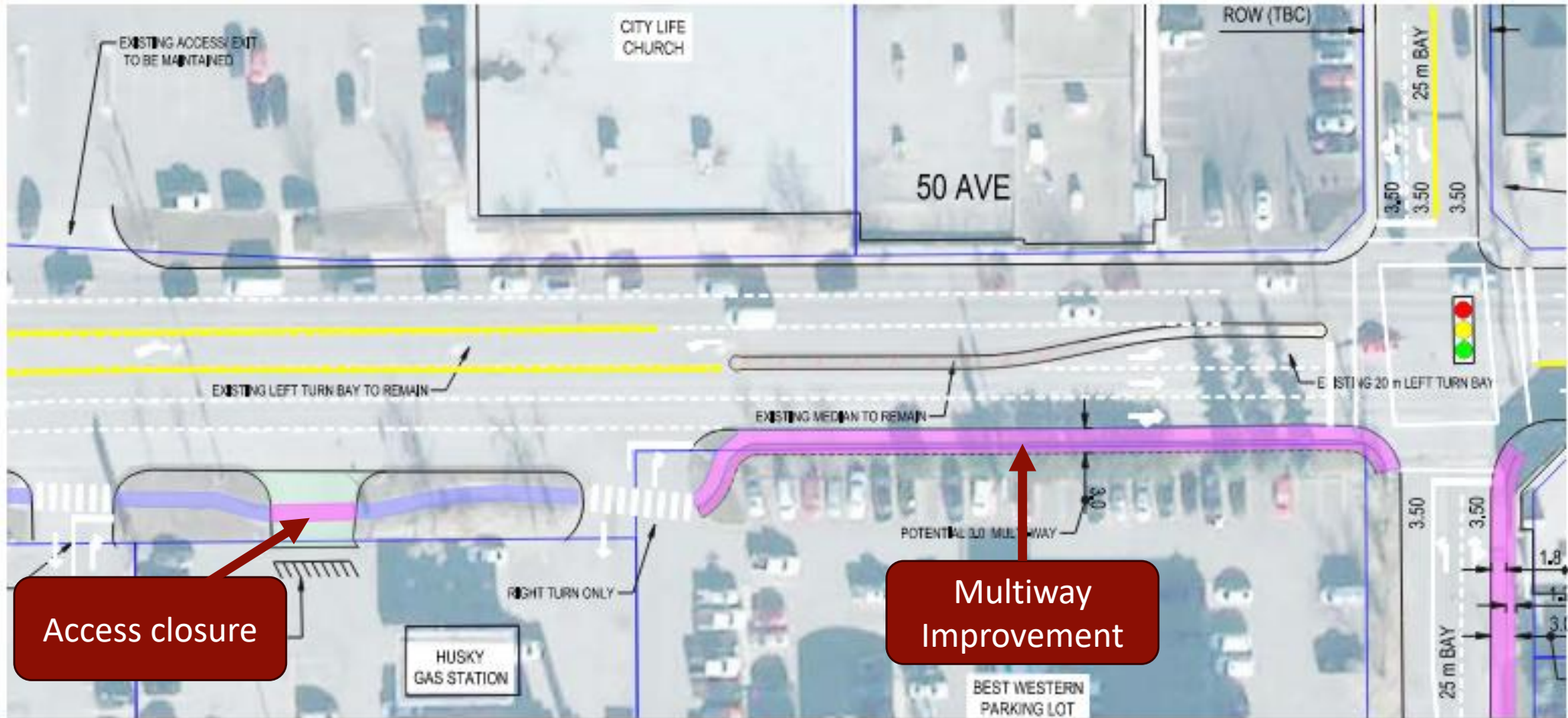
# 50<sup>th</sup> Ave Safety Analysis

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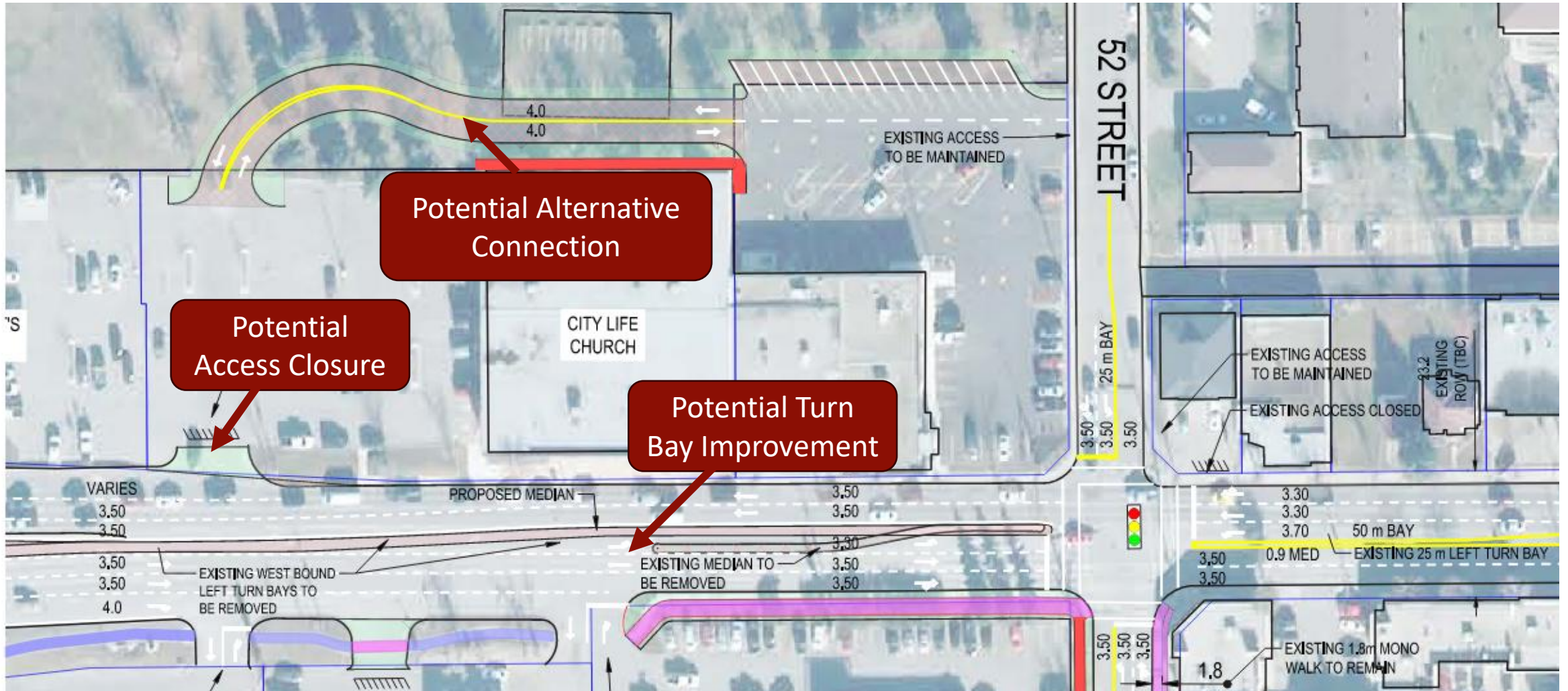
- Downtown corridors reviewed to address **pedestrian safety, traffic operational constraints, and future growth**, including:
  - The proximity and number of accesses on 50 Avenue, particularly between Highway 2 and 52 Street
  - Limited connectivity for pedestrians and alternative modes within the downtown
  - Increased traffic demands and resulting congestion due to future redevelopment



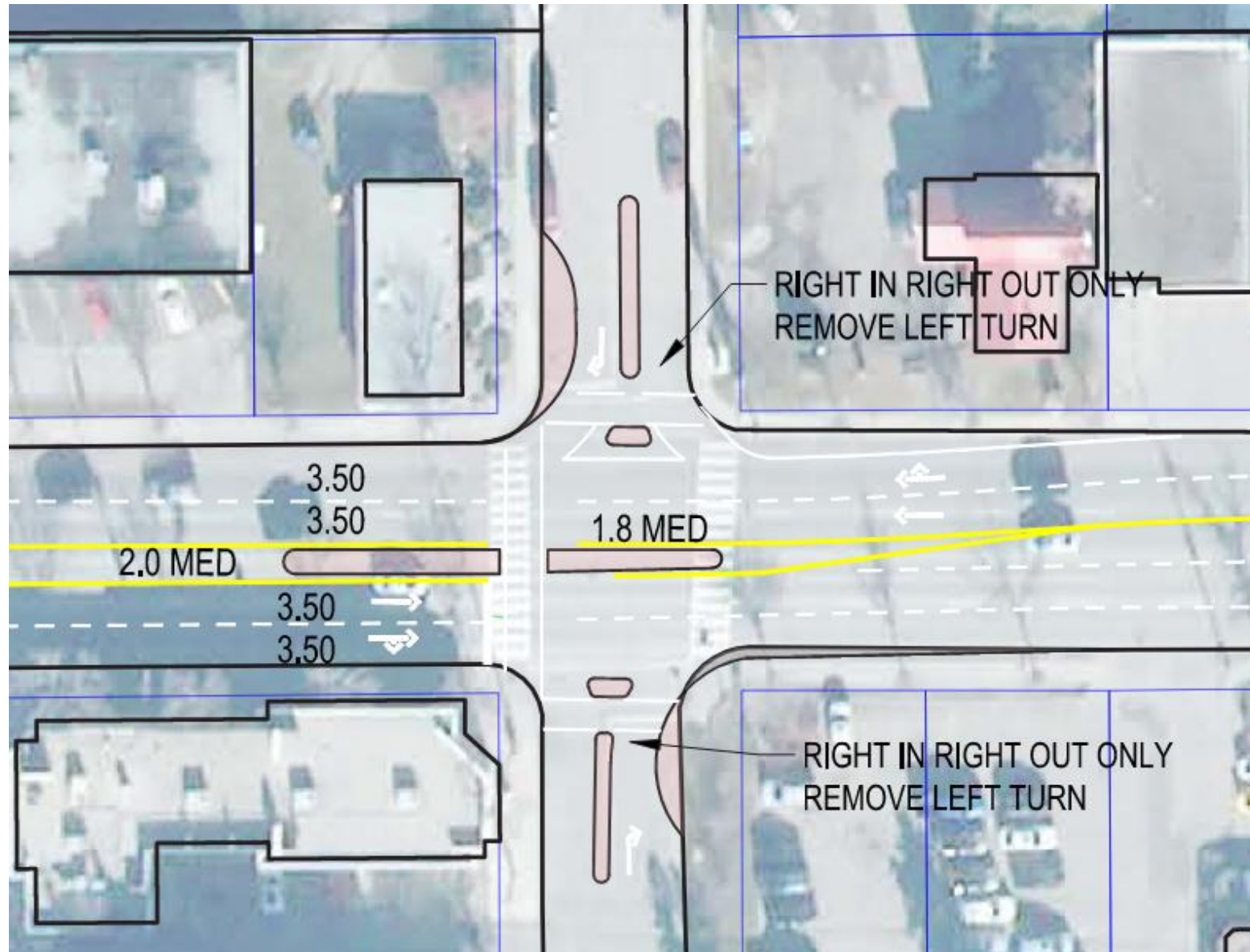
# 50 Avenue Transportation Concept



# 50 Avenue Potential Long-Term Concept



# 51 Street Right-in/Right-out Concept



# Next Steps

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- Public Open House – Information Sharing
- Implement Short-Term Recommendations
- Monitor traffic growth and continue with annual off-site levy updates
- Highway 2A Advocacy



# Questions?

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Thank you!