

Welcome

Highway 20 Twinning Functional Planning Study

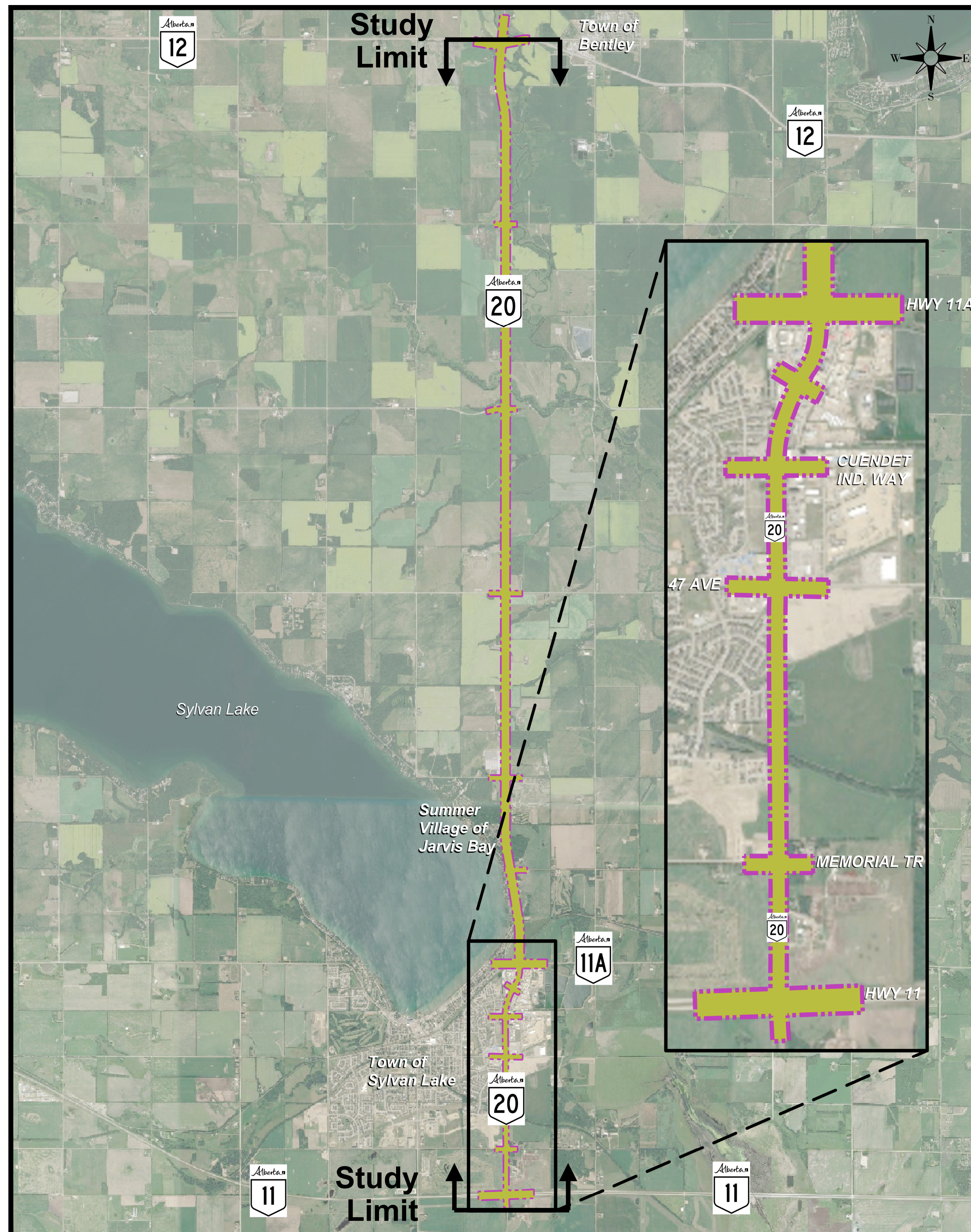
Open House #2
June 25, 2025
5:00 – 8:00 p.m.

Alberta Transportation and Economic Corridors would like to provide an update on this project and the work completed to date. Please review the display boards and let our project team know if you have any questions.

At this Open House you will be able to:

- Learn about the project, and the viable option for recommendation as part of the study.

Study Overview



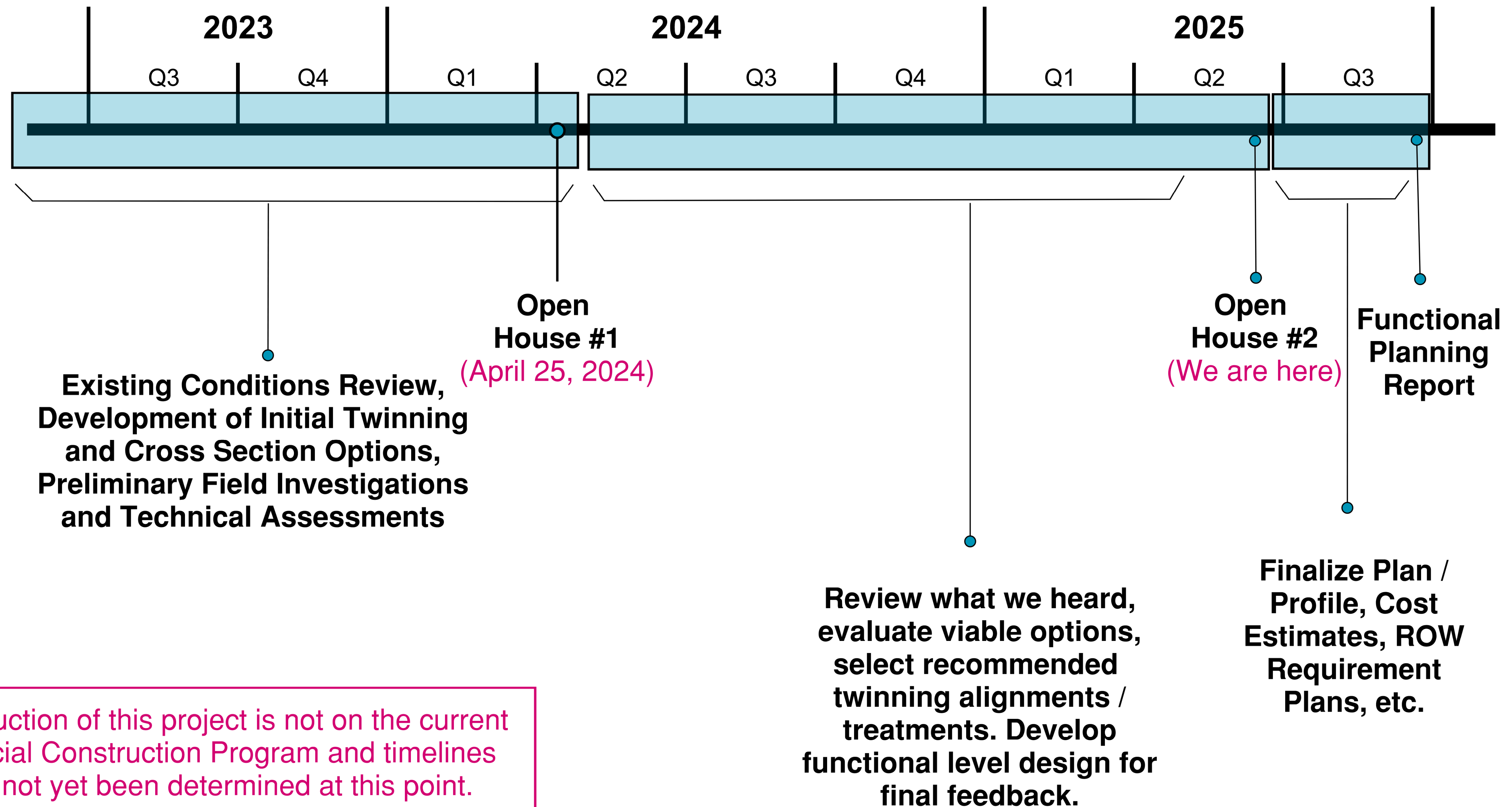
Study Purpose:

The primary purpose of this study is to complete highway alignment and cross section planning for the twinning of Highway 20, from its current two-lane cross section to a four-lane divided highway cross section, between Highway 11 at the south end of the Town of Sylvan Lake and Highway 12, near Bentley (approx. 20 km).

Study Objectives / Goals:

- ☐ Confirm the right-of-way requirements for the highway twinning
- ☐ Identify associated access management requirements
- ☐ Identify operational and intersection improvements along the corridor, with roundabouts as the preferred intersection treatment within Sylvan Lake, where feasible

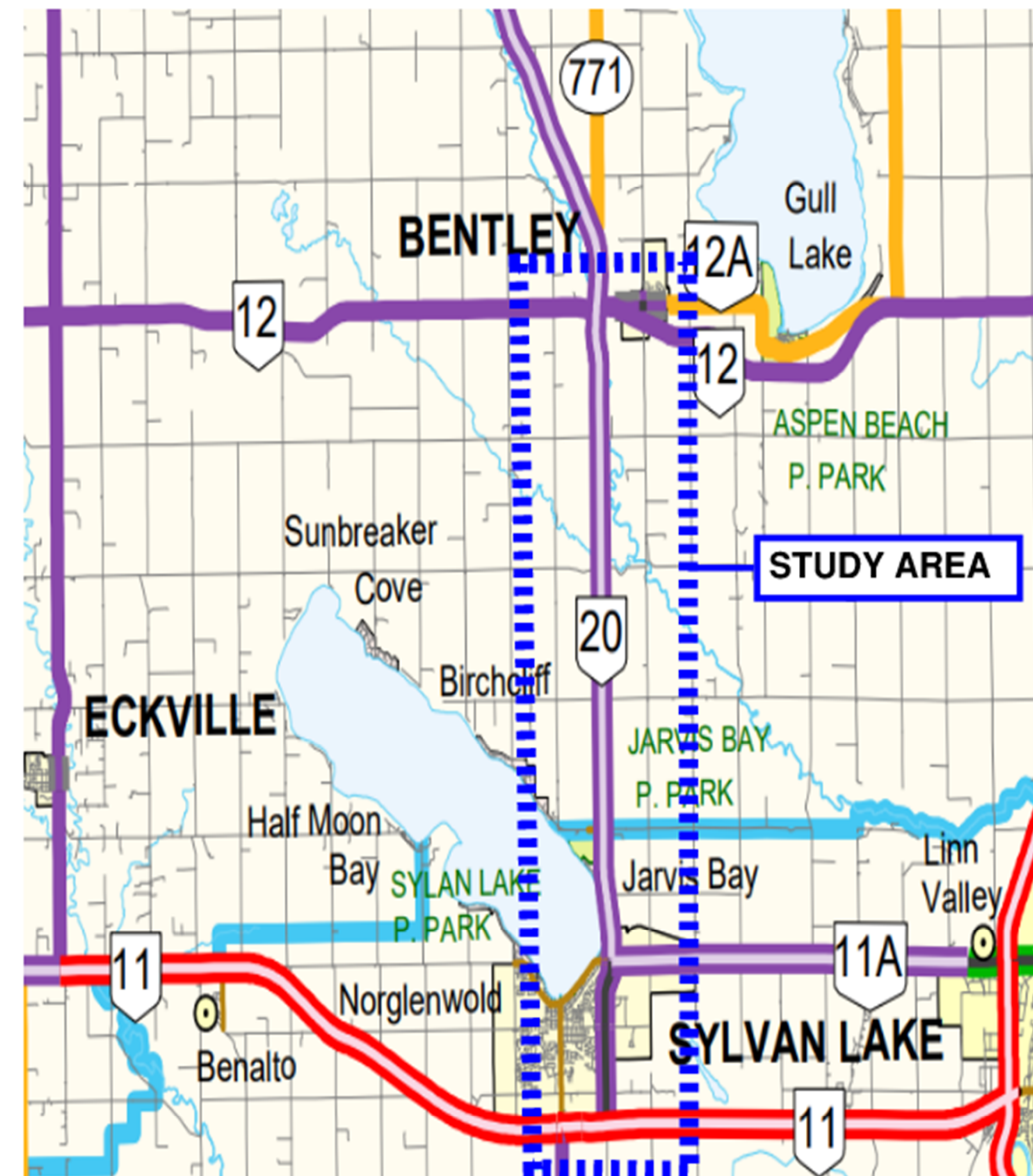
Study Timeline














*Construction of this project is not on the current Provincial Construction Program and timelines have not yet been determined at this point. Construction priority will depend on highway capacity, safety concerns, funding availability and the rate of development in the area.

Why Twinning?

- Highway 20, from Sylvan Lake to Bentley, is classified as RAD or “**Rural Arterial Divided**”, which ultimately, requires a twinned rural cross section.
- Within Sylvan Lake, the classification is UAD or “**Urban Arterial Divided**” ultimately requiring a twinned urban cross section.
- Highway 20 is also designated as a “Level 2” highway in the provincial network.
 - Level 2 highways accommodate the movement of people, goods, and services intra-provincially.
 - They serve to connect provincially significant areas, such as population centres over 5,000, and typically serve long trips.



Freeway	RFD		UFD				
Multi-Lane	RAD		UAD		UED		
Major	RAU		UAU				
Minor	RCU		UCU				
Non Classified	Municipal / Rural Road						

Key Issues

Within Sylvan Lake:

- Limited property availability
- High traffic volumes with multiple intersections
- Pedestrian activity
- Seasonal / tourist traffic (high proportion of drivers unfamiliar with the area)
- Utility and drainage consideration

Rural Area:

- Wider highway corridor requirement
- Moderate-to-high traffic volumes, with multiple intersections
- Access management
- Close proximity to the Blindman River
- Utility impact
- Environmental consideration
- Terrain implication – Steep gradelines



Primary Evaluation Factors - Overall:

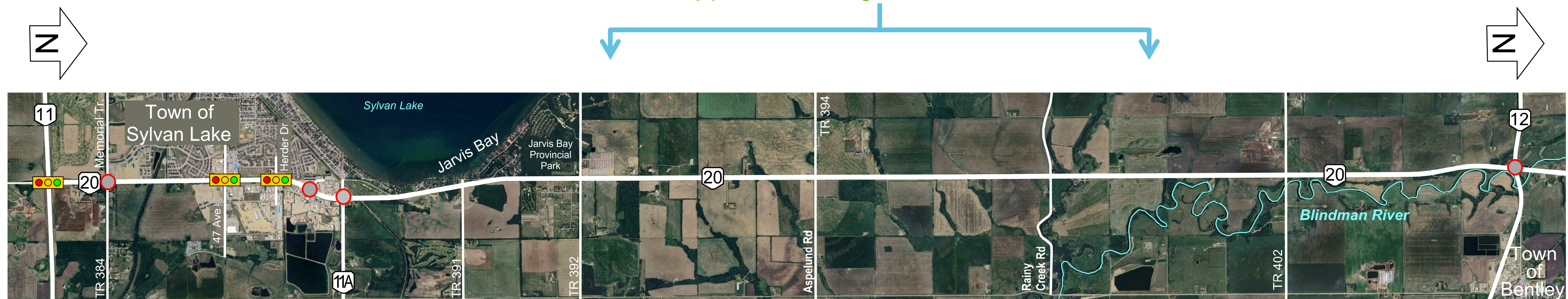
- Capital Cost
- Environmental Impacts
- Utility and Access Management Impact
- Geographical Consideration
- Land Requirement

Highway 20 Twinning Overview

Viable options were considered and assessed through Multiple Account Evaluation (MAE) within this section.

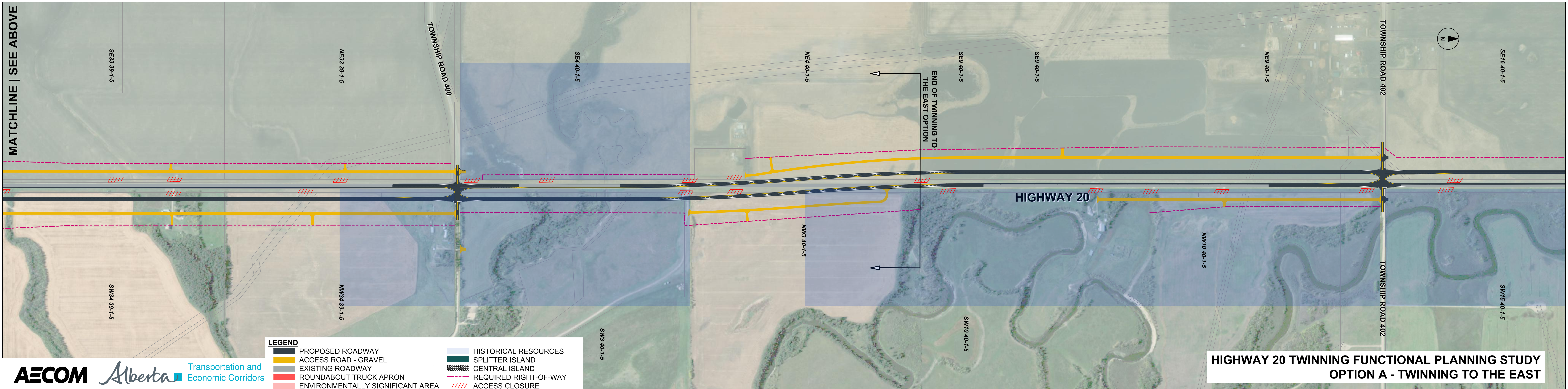
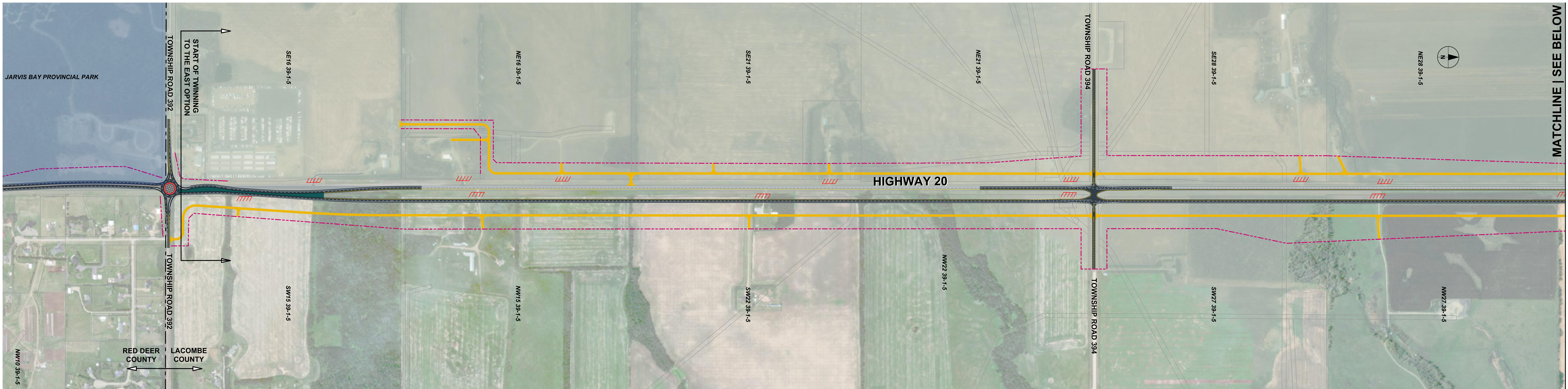
- ❑ Option A - Twinning to the East
- ❑ Option B - Twinning to the West

Twinning to the **EAST** is recommended and supported through MAE framework

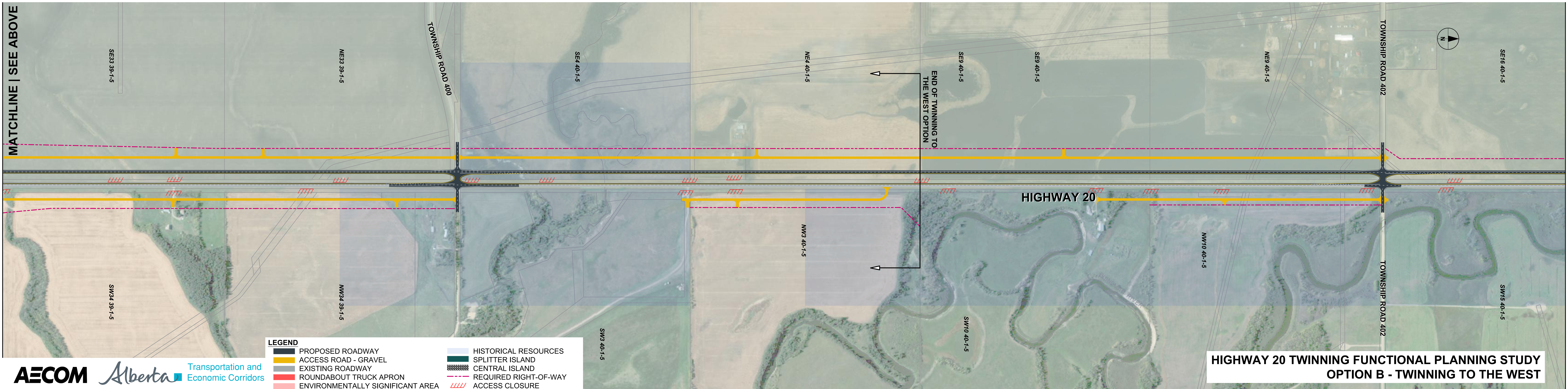
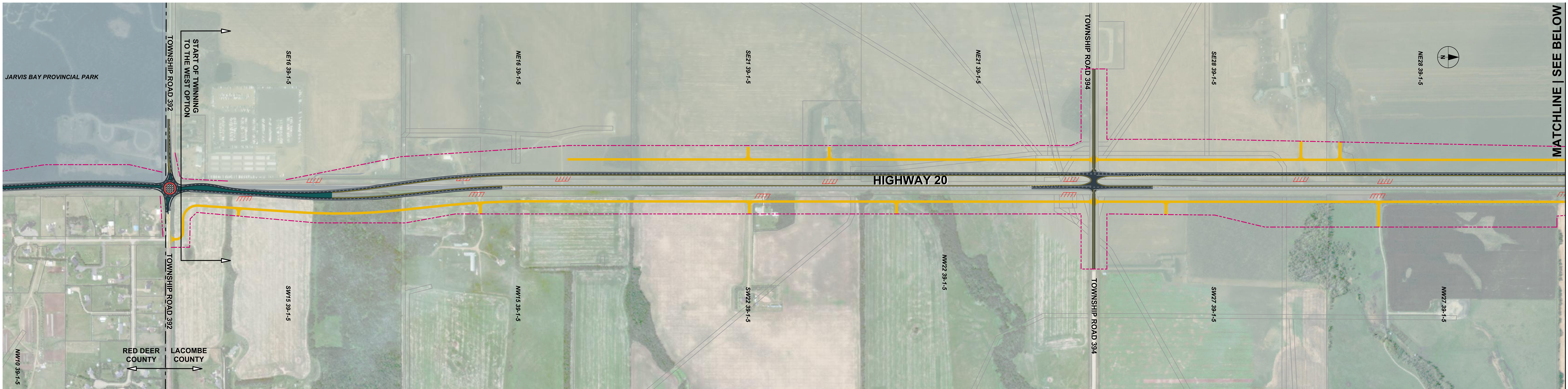


Widening/ twinning needs to occur to the **EAST** side based on the amount of development along the west side of the existing roadway.
Therefore, twinning to the **EAST** is recommended

Widening/ twinning needs to occur to the **WEST** side based on the close proximity of the Blindman River along the east side of the existing roadway.
Therefore, twinning to the **WEST** is recommended

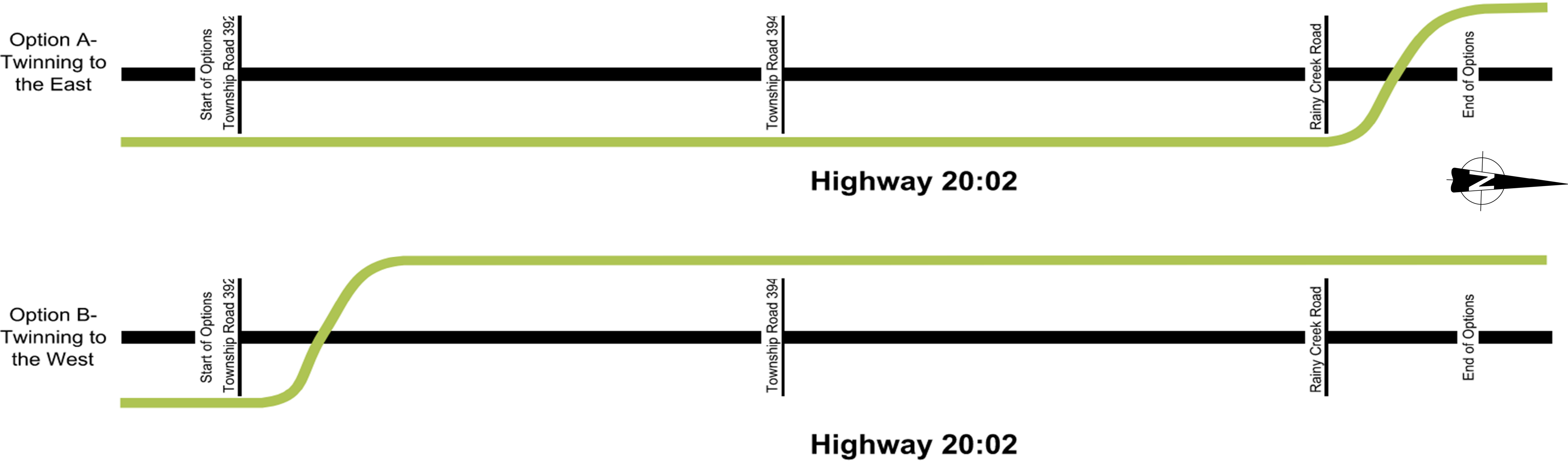


LEGEND			
	PROPOSED ROADWAY		HISTORICAL RESOURCES
	ACCESS ROAD - GRAVEL		SPLITTER ISLAND
	EXISTING ROADWAY		CENTRAL ISLAND
	ROUNDABOUT TRUCK APRON		REQUIRED RIGHT-OF-WAY
	ENVIRONMENTALLY SIGNIFICANT AREA		ACCESS CLOSURE



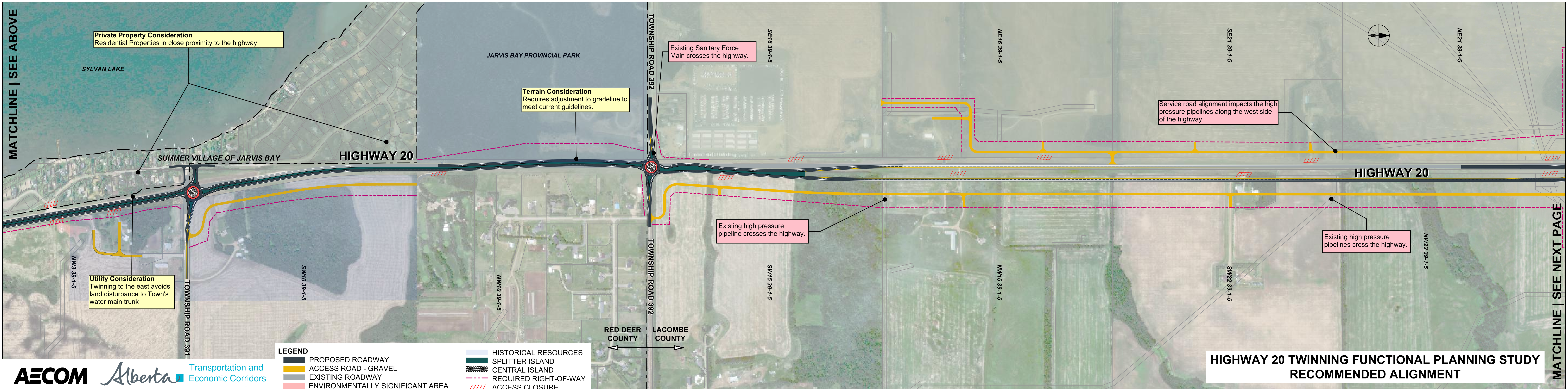
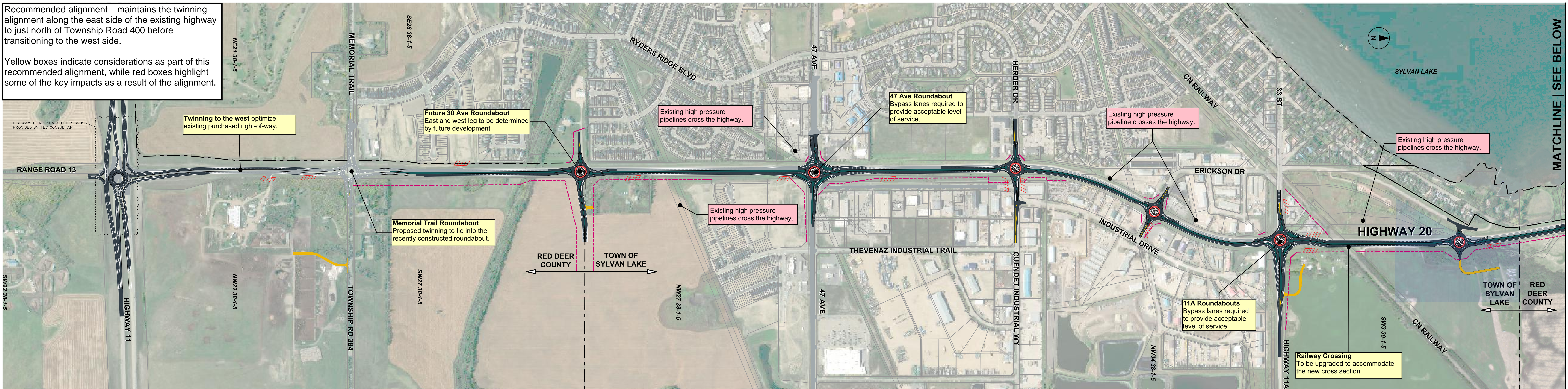
Multiple Account Evaluation (MAE)

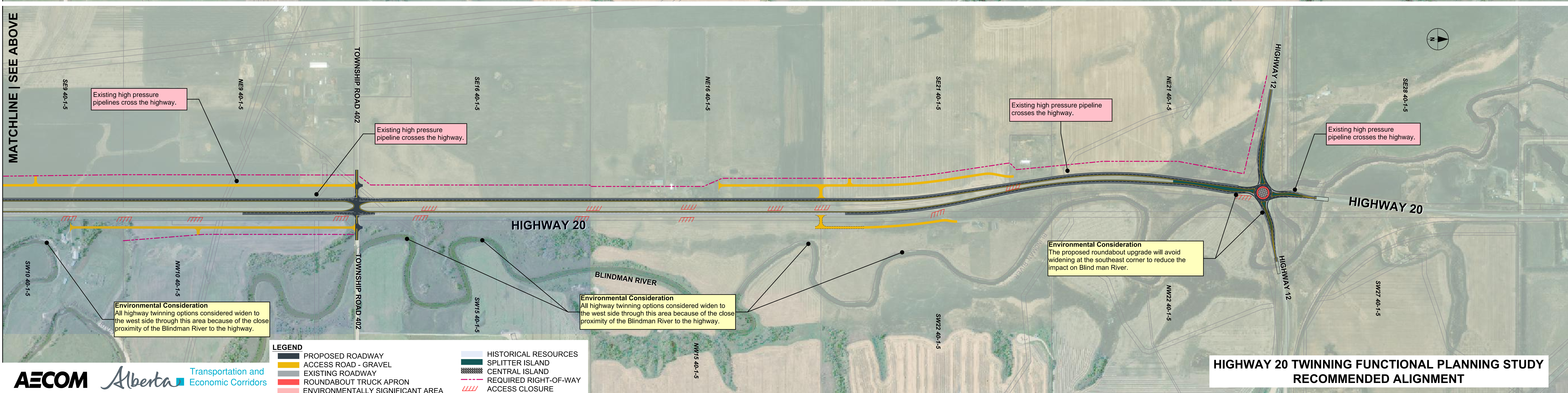
Options \ Accounts	Option A- Twinning to the East	Option B- Twinning to the West
Capital Cost	Reduced capital cost	Higher capital cost
Environment	Reduced environmental impact	Higher impact to wetlands and water courses
User Benefit	Increased emergency response time	Reduced emergency response time compared to Option A
Community Sustainability	Reduced property impacts (land severance) compared to Option B	Twenty percent higher property impacts (land severance) compared to Option A.
Economy	Reduced agricultural land impact compared to Option B	Eighty percent more agricultural land is affected compared to Option A.
Multiple Account Evaluation Outcome	Option A is the preferred Option	Option B is not recommended due to higher impact across multiple accounts

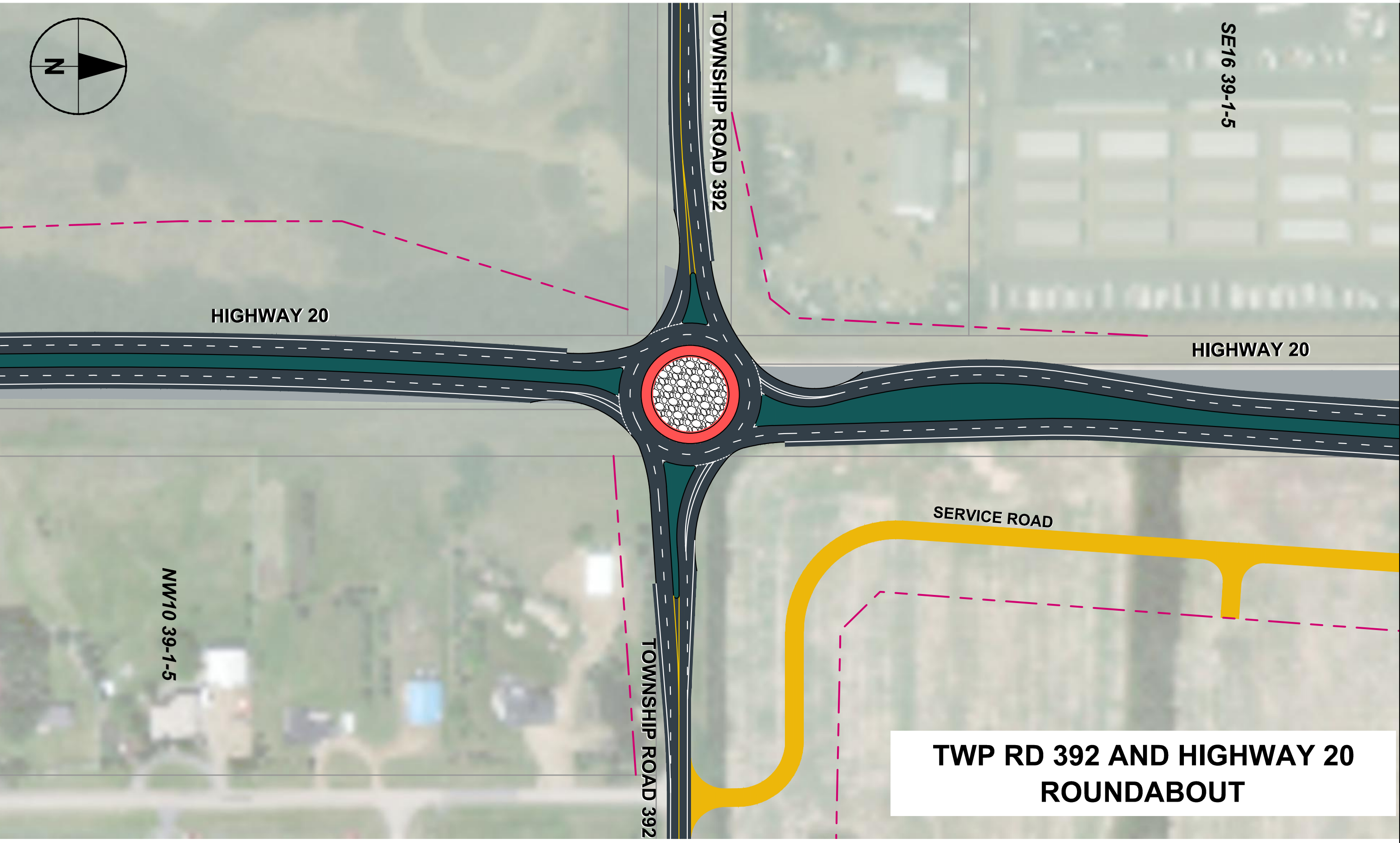
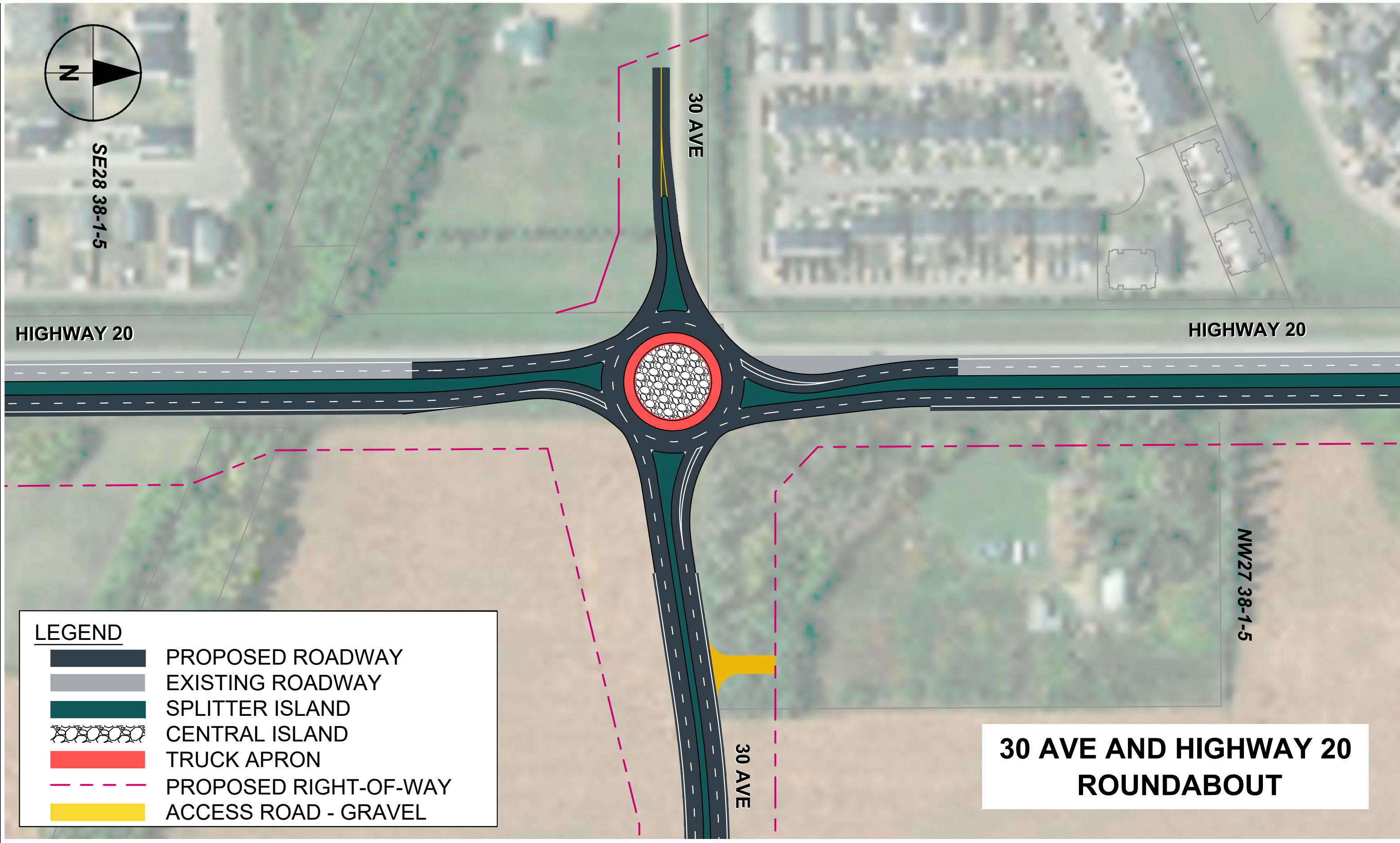
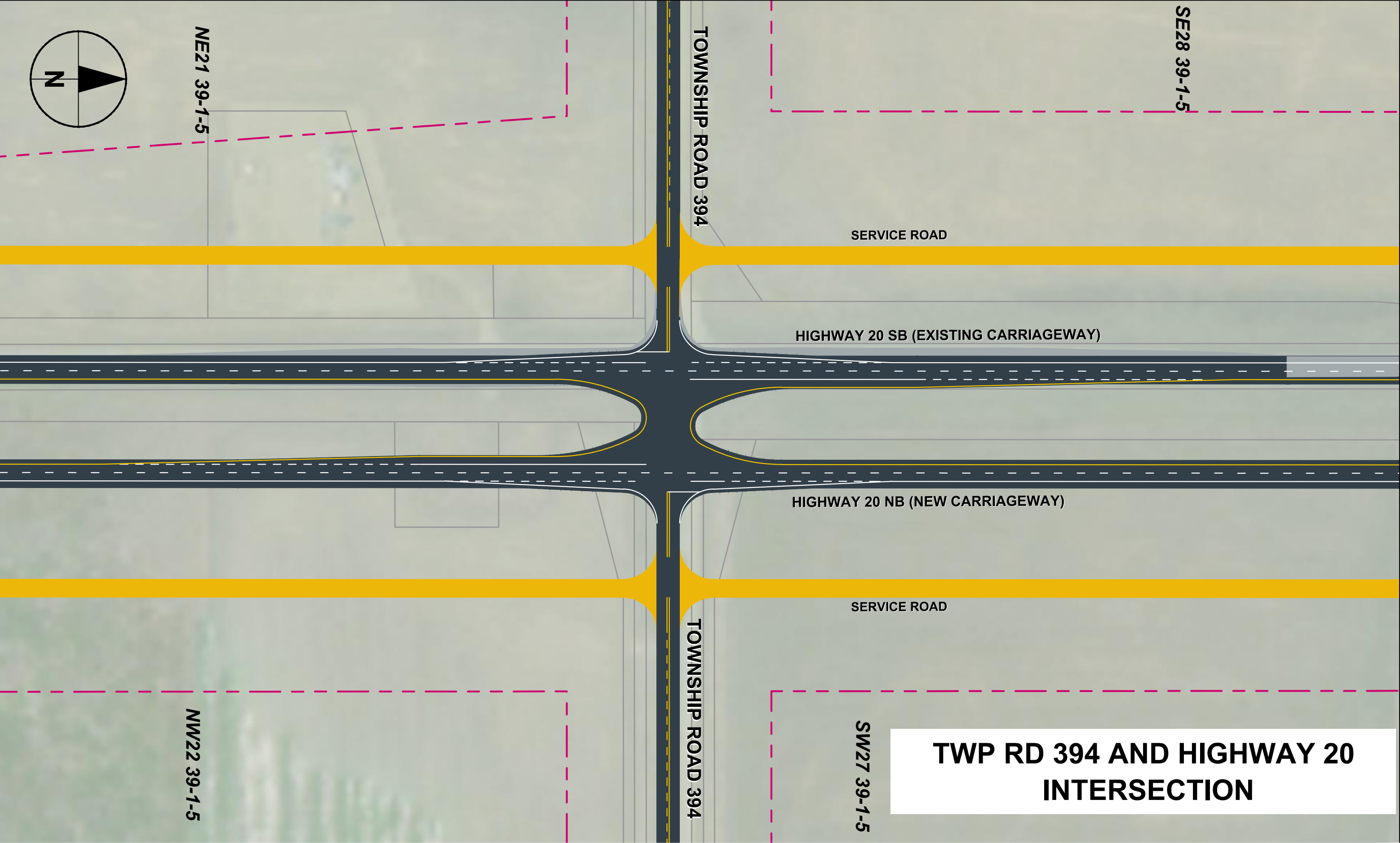


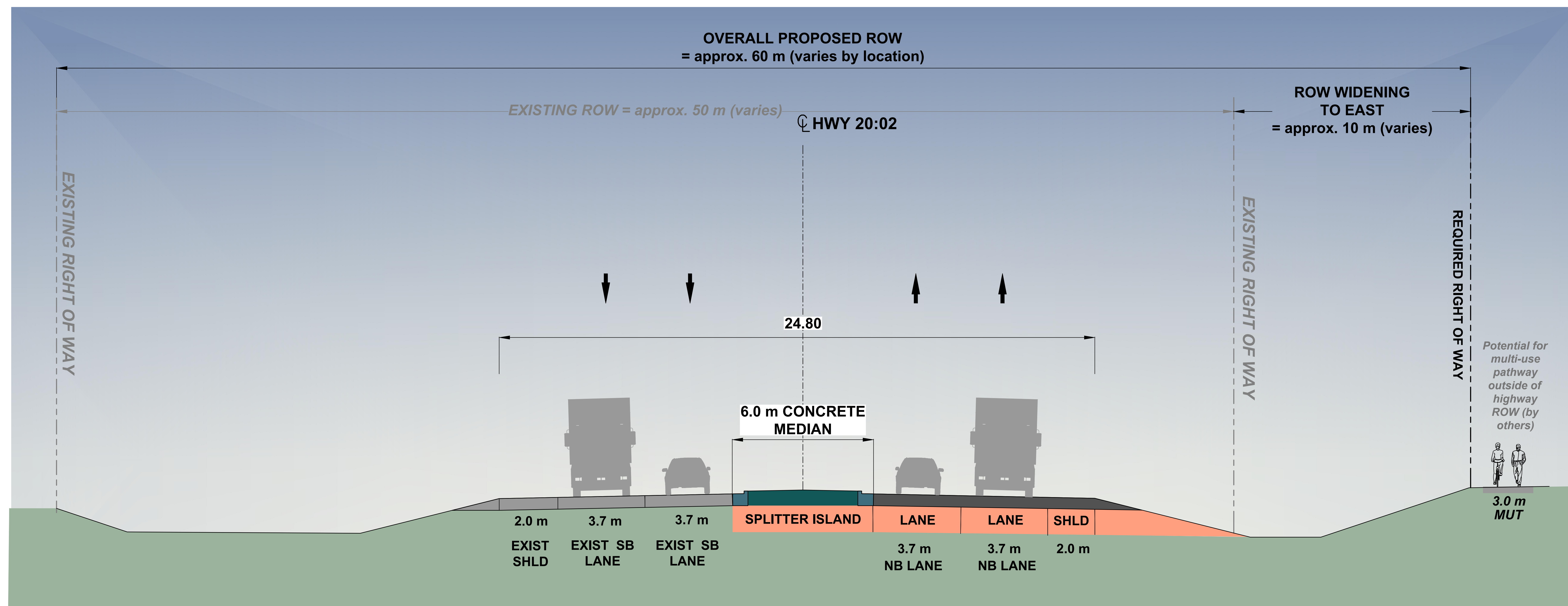
Recommended alignment maintains the twinning alignment along the east side of the existing highway to just north of Township Road 400 before transitioning to the west side.

Yellow boxes indicate considerations as part of this recommended alignment, while red boxes highlight some of the key impacts as a result of the alignment.

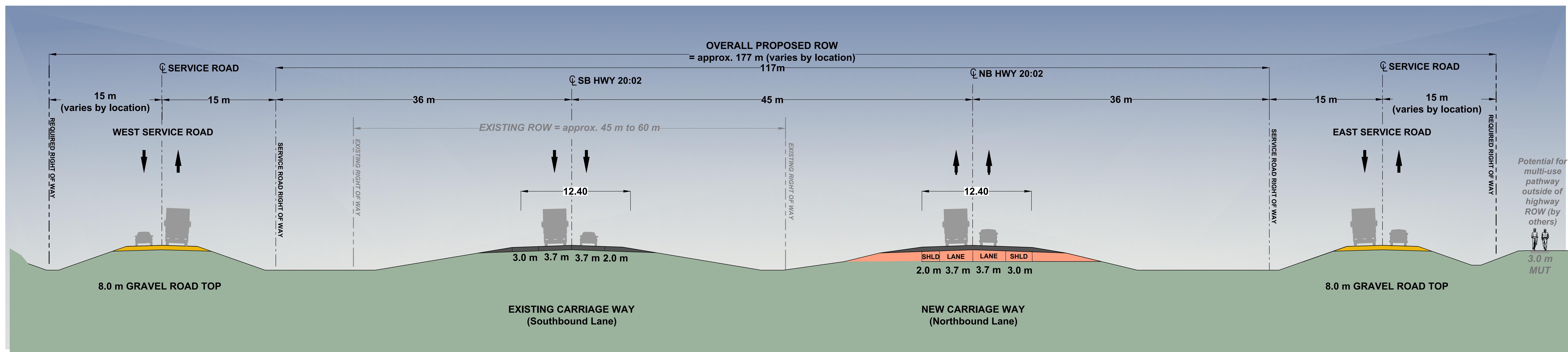








SEMI-URBAN HIGHWAY 20 TYPICAL SECTION



**RURAL HIGHWAY 20 TYPICAL SECTION
WITH GRAVEL SERVICE ROAD**

Next Steps ...

The project team will:

- Review the public open house and stakeholder meetings feedback to finalize the recommended plan.
- Prepare and finalize Highway 20:02 Twinning Functional Planning Report.

Construction Timeline: Construction of this project is not on the current Provincial Construction Program and timelines have not yet been determined at this point. Construction priority will depend on highway capacity, safety concerns, funding availability and the rate of development in the area.

Thank You

Thank you for attending the Highway 20 Twinning Open House session. Before you leave, please take a moment to fill out the provided evaluation / feedback form.

If you would like to submit your comments at a later time, please email them to the AECOM Project Manager prior to July 18, 2025: Hwy20FPS-feedback@aecom.com

The information shown here today will be available on the project website:
www.alberta.ca/highway-20-functional-planning-study

The project website can also be accessed by scanning the QR code below:

