Highway 744 Alignment Little Smoky River Valley Functional Planning Study

Information Session

October 24, 2024 - 4:00 to 8:00 pm

Club Etoile, Girouxville

WELCOME



Highway 744 Smoky River Bridge Looking South





Welcome

Highway 744 Alignment Little Smoky River Valley Functional Planning Study

Information Session #1

This information session is an informal drop-in format, there will be no presentation.

The purpose of this information session is to:

- Introduce the study process
- Outline the study objectives and organization
- Present the constraints and factors affecting development of a realignment plan
- Share the alignments explored for Highway 744
- Gather your comments and input

Please take a few minutes to review the display panels and discuss the study with project staff.





Study Background

- Highway 744 is a minor two-lane, inter-regional highway facility
- It connects Highway 676 to the south with Highway 49, Girouxville, and Falher to the north
- Important to the local community, the crossing accommodates agricultural, resource and recreational access and local travel
- With many active slide locations, the existing crossing is increasingly at risk of disruption or temporary closure
- The existing bridge will soon need a major rehabilitation or replacement

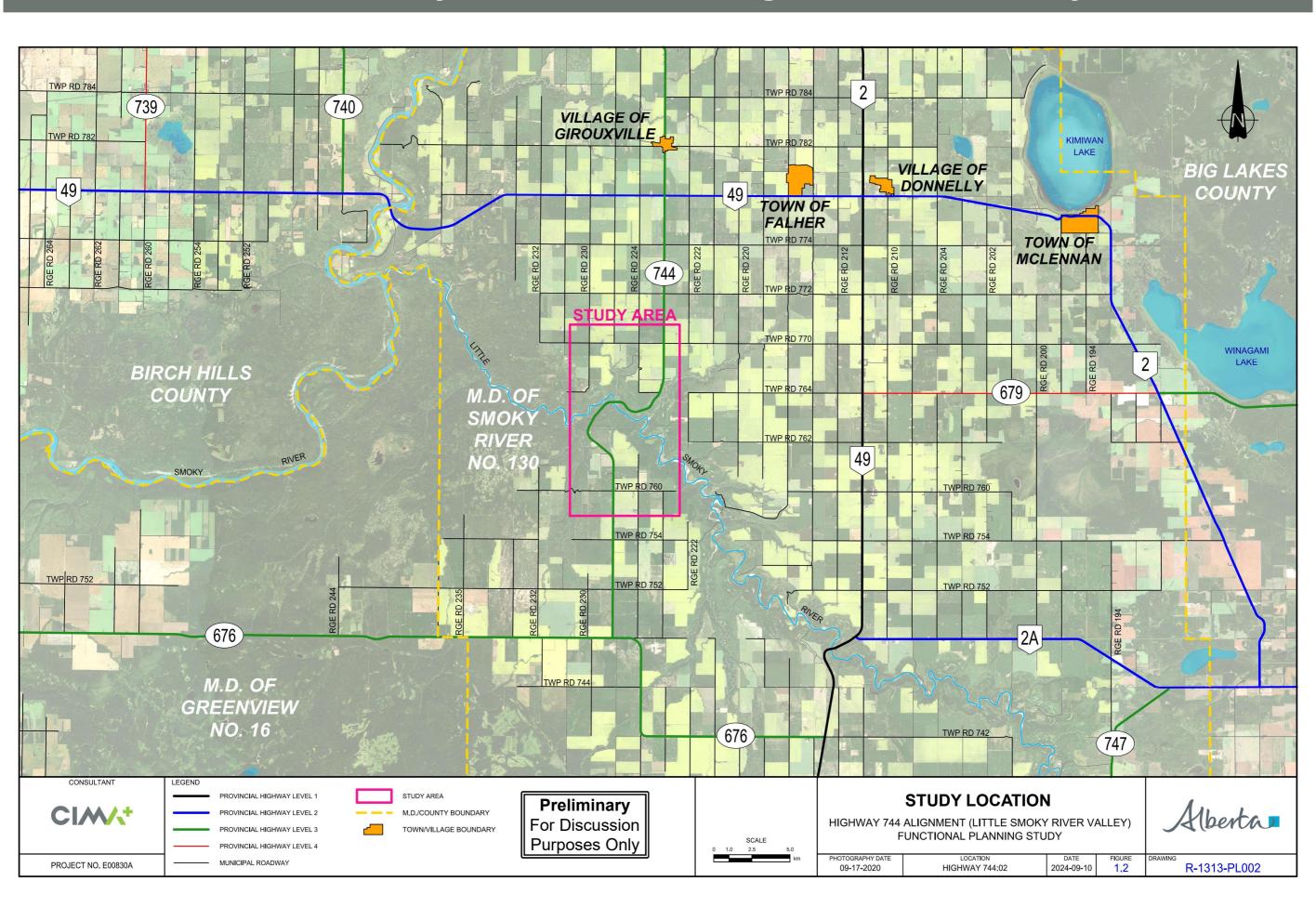


Existing Highway 64 Looking East Across the Little Smoky River





Study Location & Regional Roadway Network



Study Purpose

To determine the most viable long-term river crossing location along with the best highway alignment to avoid the current geohazards.

Study Objectives

To develop a technically feasible alignment plan that:

- Provides the most appropriate design given site and implementation constraints
- Addresses geotechnical stability and safety, community interests, environmental and historical resources, drainage and other impacts
- Identifies land access requirements
- Identifies right-of-way requirements

Study Outcome

The outcome of this study will:

Help the province understand the most practical and feasible alignment for Highway 744 crossing the Little Smoky River Valley.





Working Together

Technical Review Committee (TRC)

- The Municipal District of Smoky River is a member of the Technical Review Committee
- The Technical Review Committee guides the study process at key points

Stakeholders & Members of the Public

The study team will obtain feedback on alternatives and outcomes

Project Process & Timeline

Winter 2023/2024

Information Gathering

- Technical Investigations
- Project Start-up with TRC
- Stakeholder
 Notifications



Spring/Summer 2024

Alternative **Development**

- Technical Analysis
- Create
 Alternatives

Summer/Fall 2024

Compare Alternatives

- Preliminary Evaluation
 & Pre-screening
- TRC Meeting
- Stakeholder & Public Engagement



WE ARE HERE

Winter 2024/2025

Select Preferred New Alignment

- Technical Analysis
- Complete Evaluation
- TRC Meeting
- Stakeholder & Public Engagement



Spring 2025

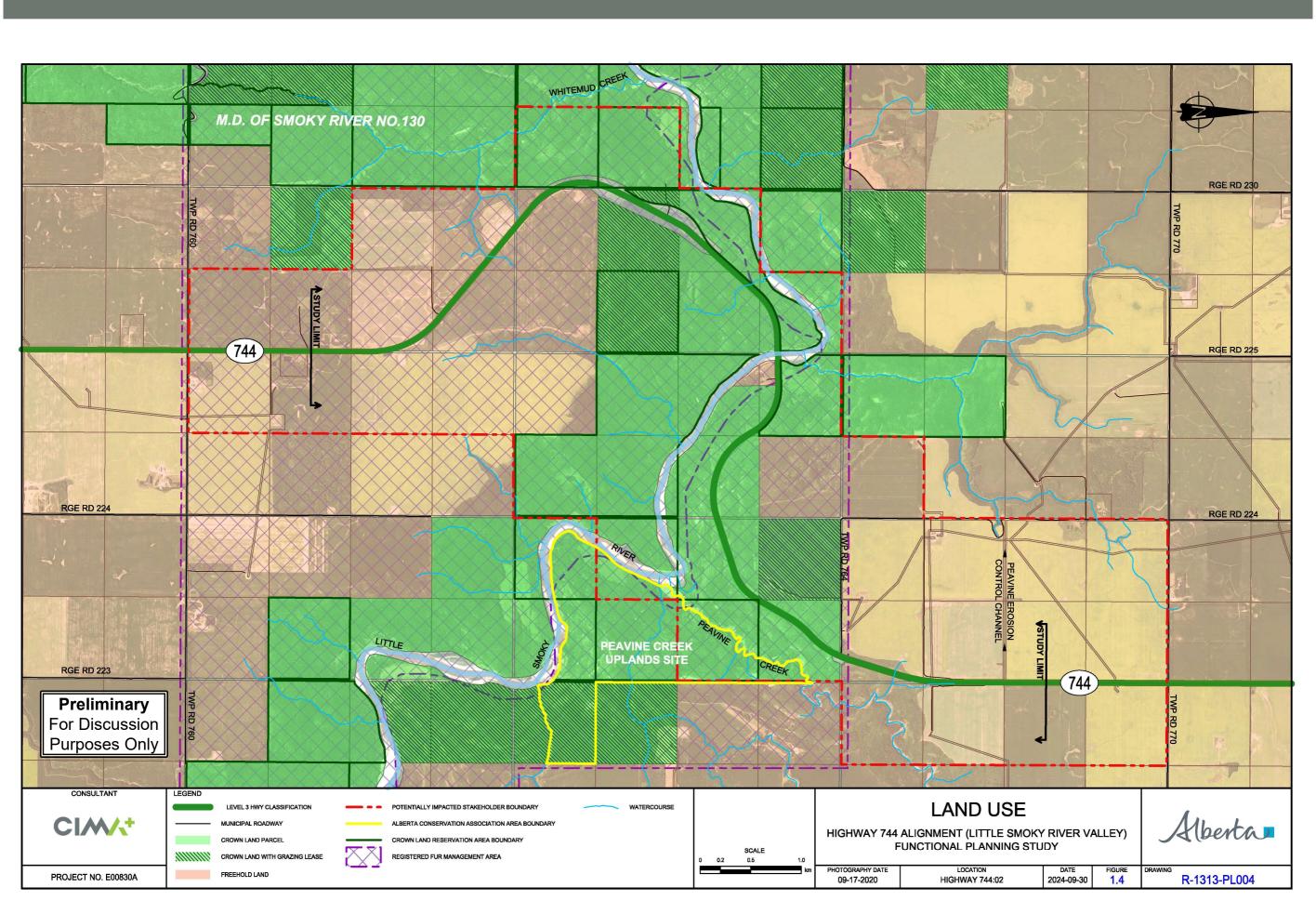
Finalize Alignment

- Finalize
 Functional Plan
- TRC Meeting
- Municipal Support
- Alberta
 Transportation and
 Economic Corridors
 Approval

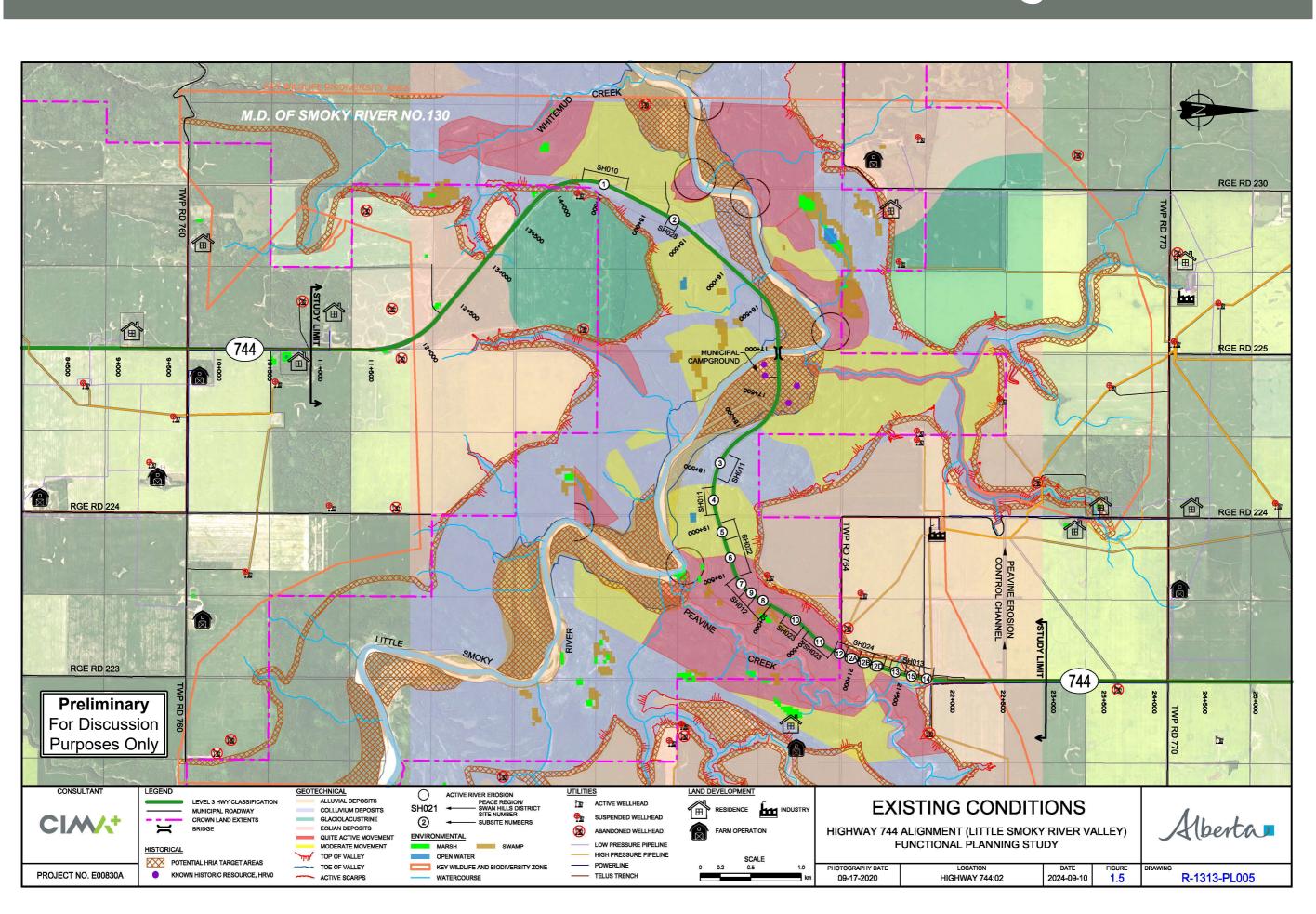




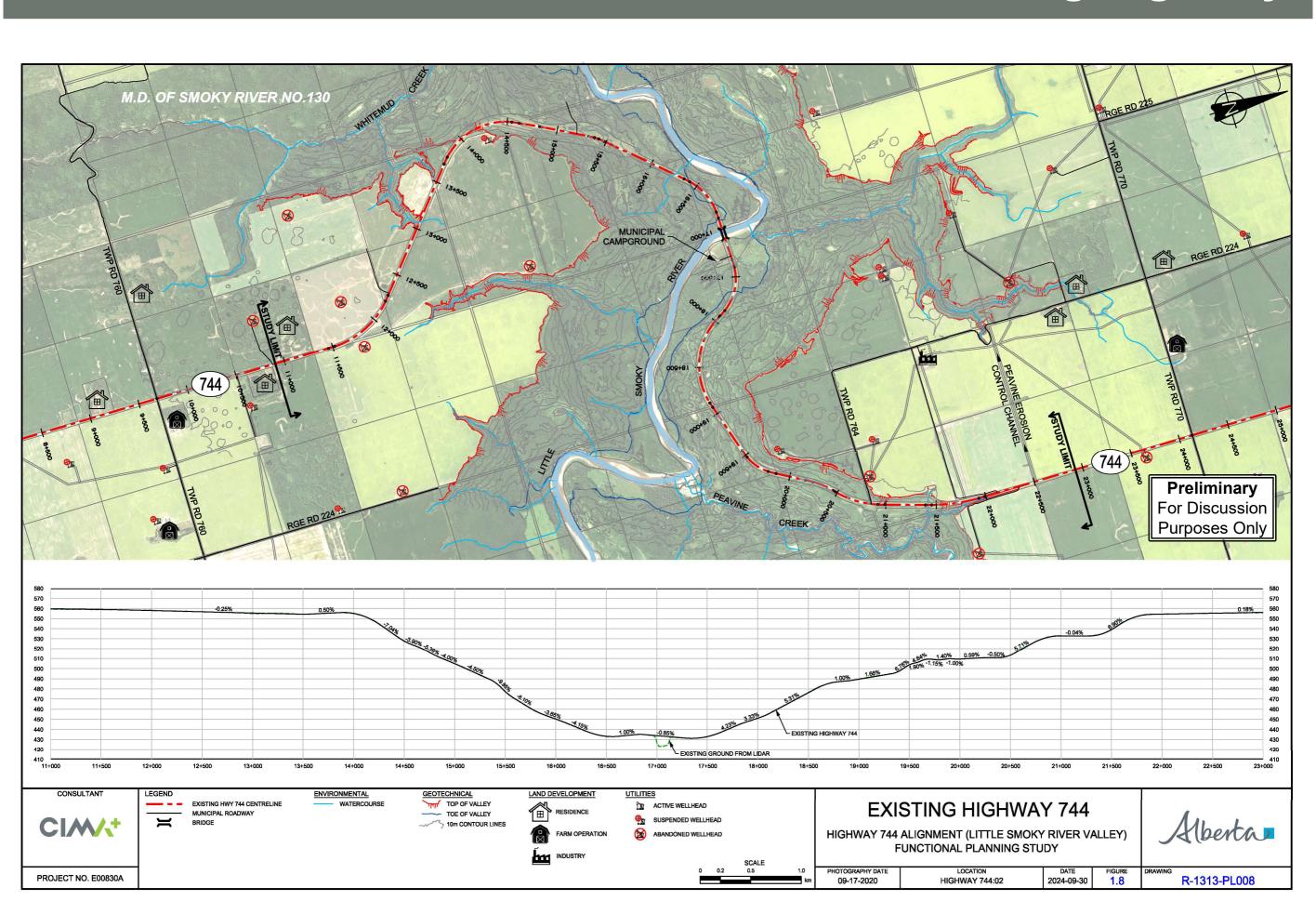
Land Use



Existing Conditions



Existing Highway



Alternative Development

Key technical factors in the development of alternatives were:

- Geotechnical stability
- Roadway design standards and constructability
- River stability and bridge placement
- Environmental and historical resources

Preliminary alignment alternatives were developed and reviewed considering desirable technical outcomes.

Alignments that provided the most reasonable conditions considering the key technical factors above were carried forward as preferred alternatives.

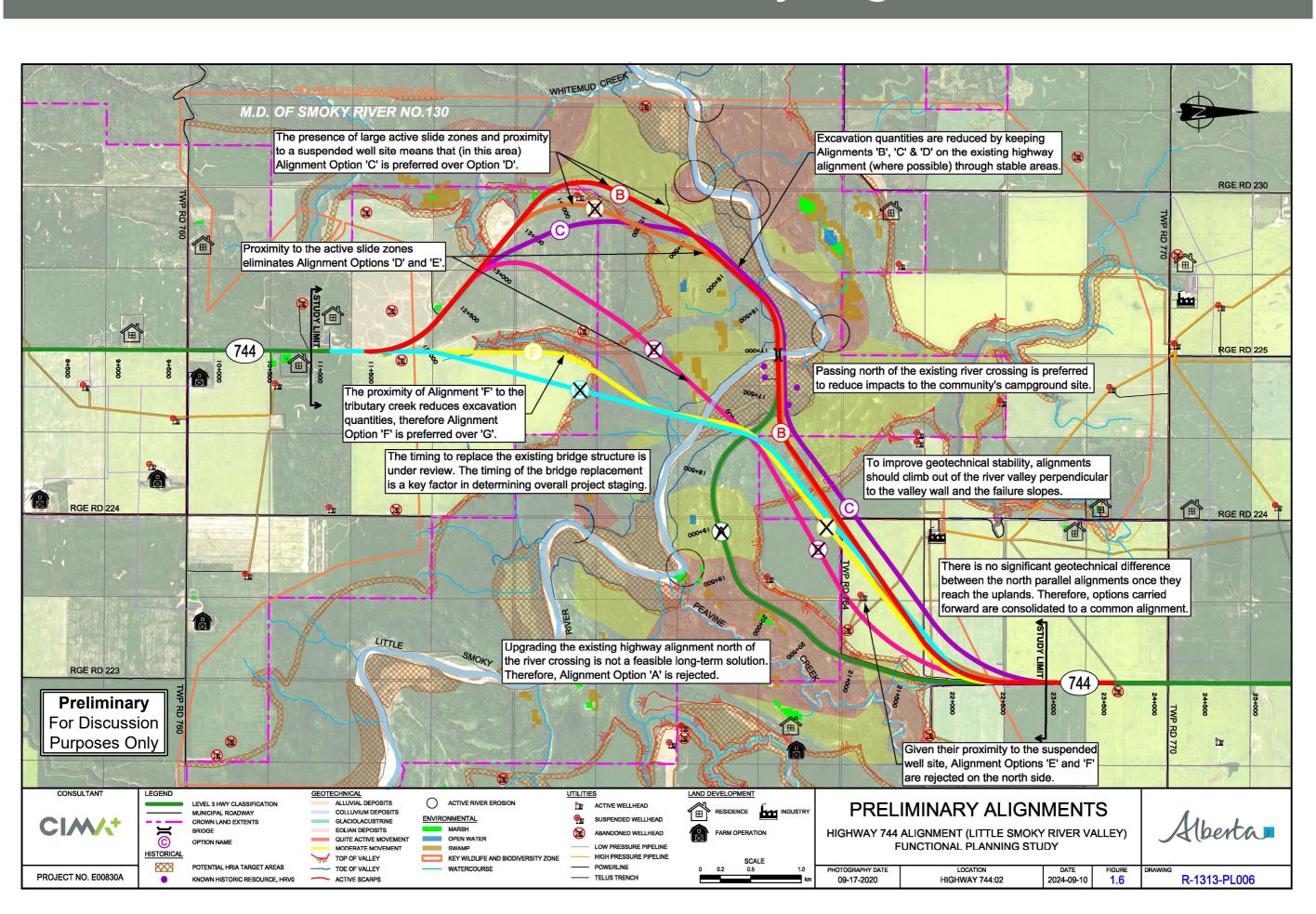


Highway 744 Looking Northwest Across the Little Smoky River Valley

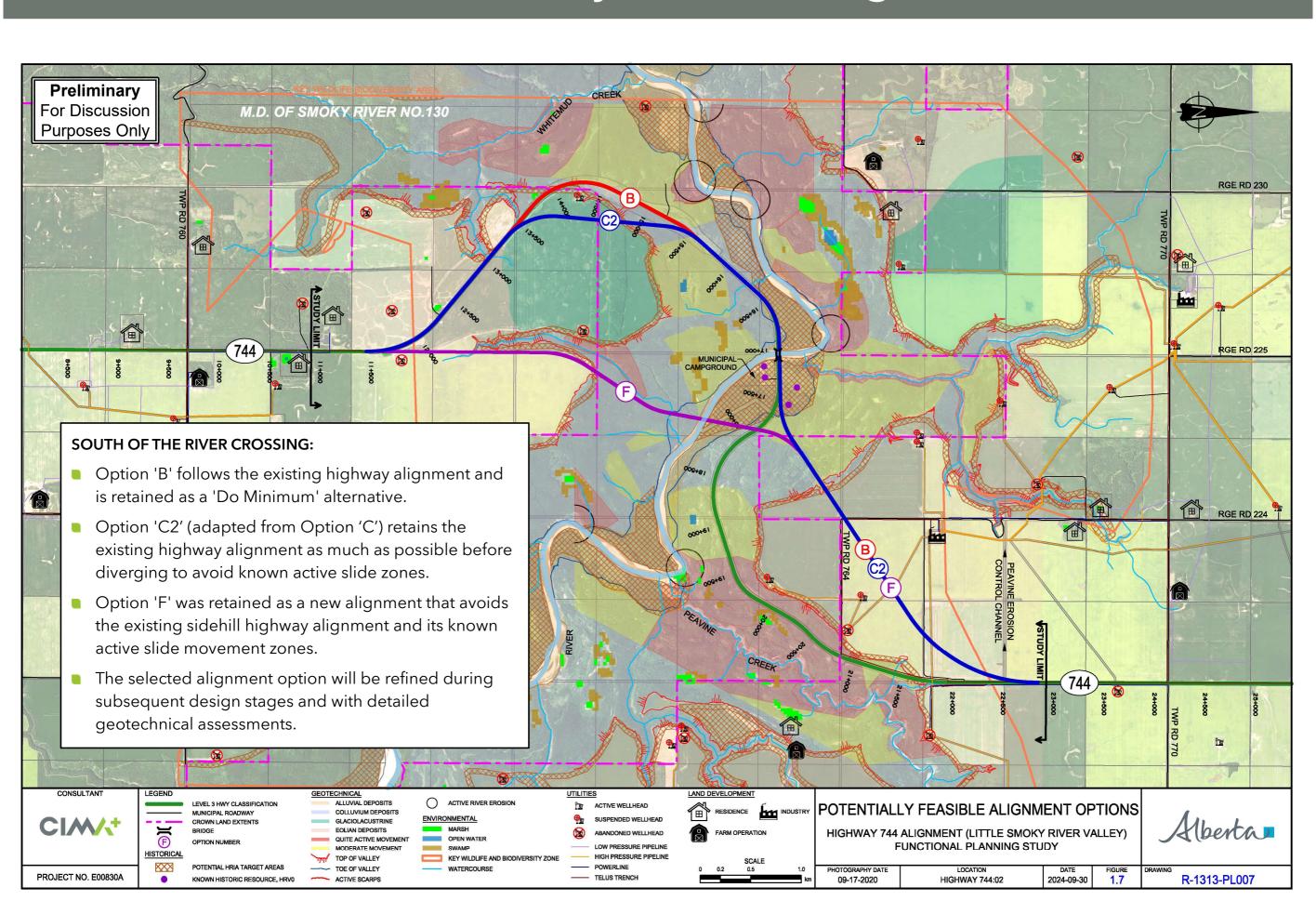




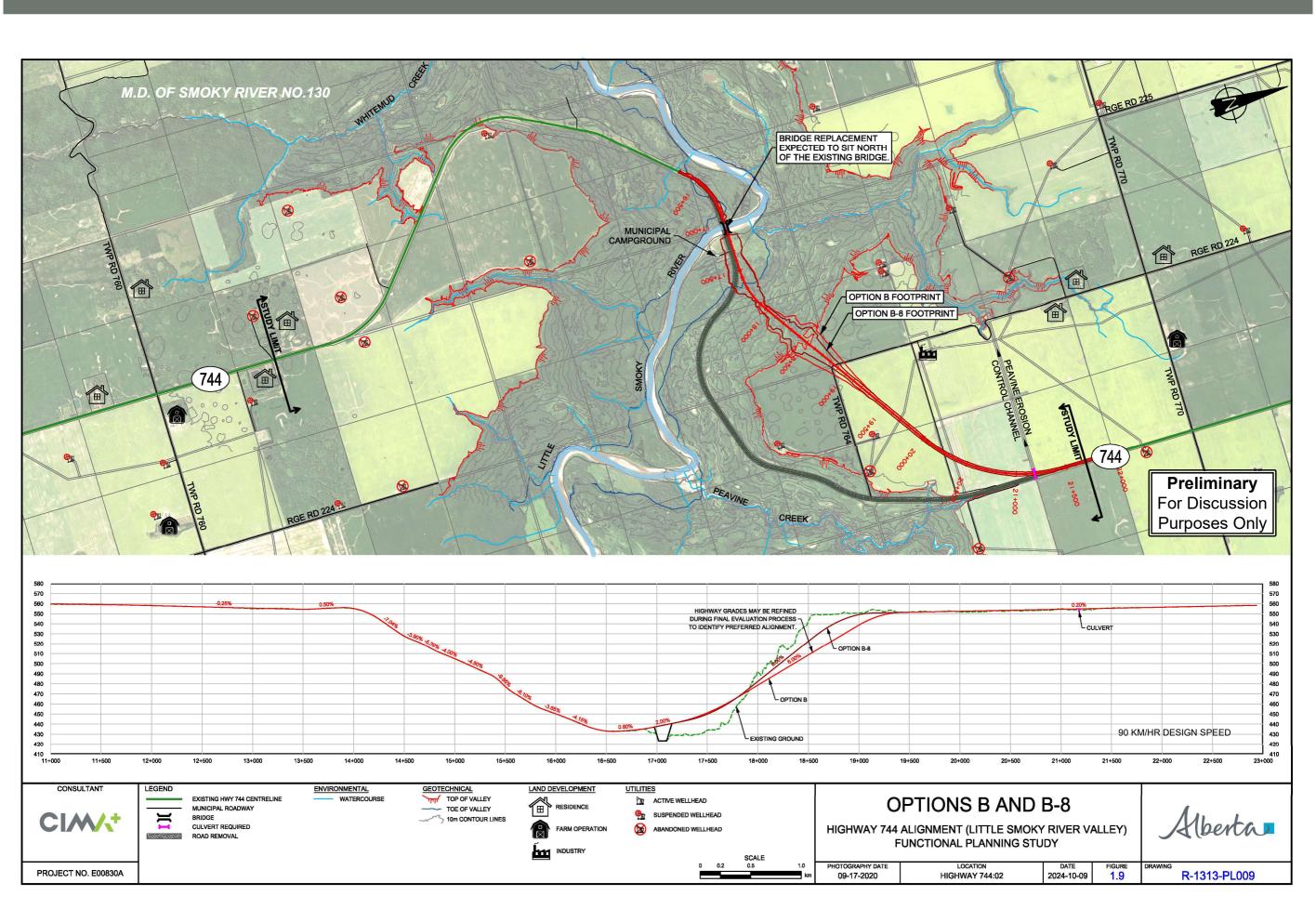
Preliminary Alignment Alternatives



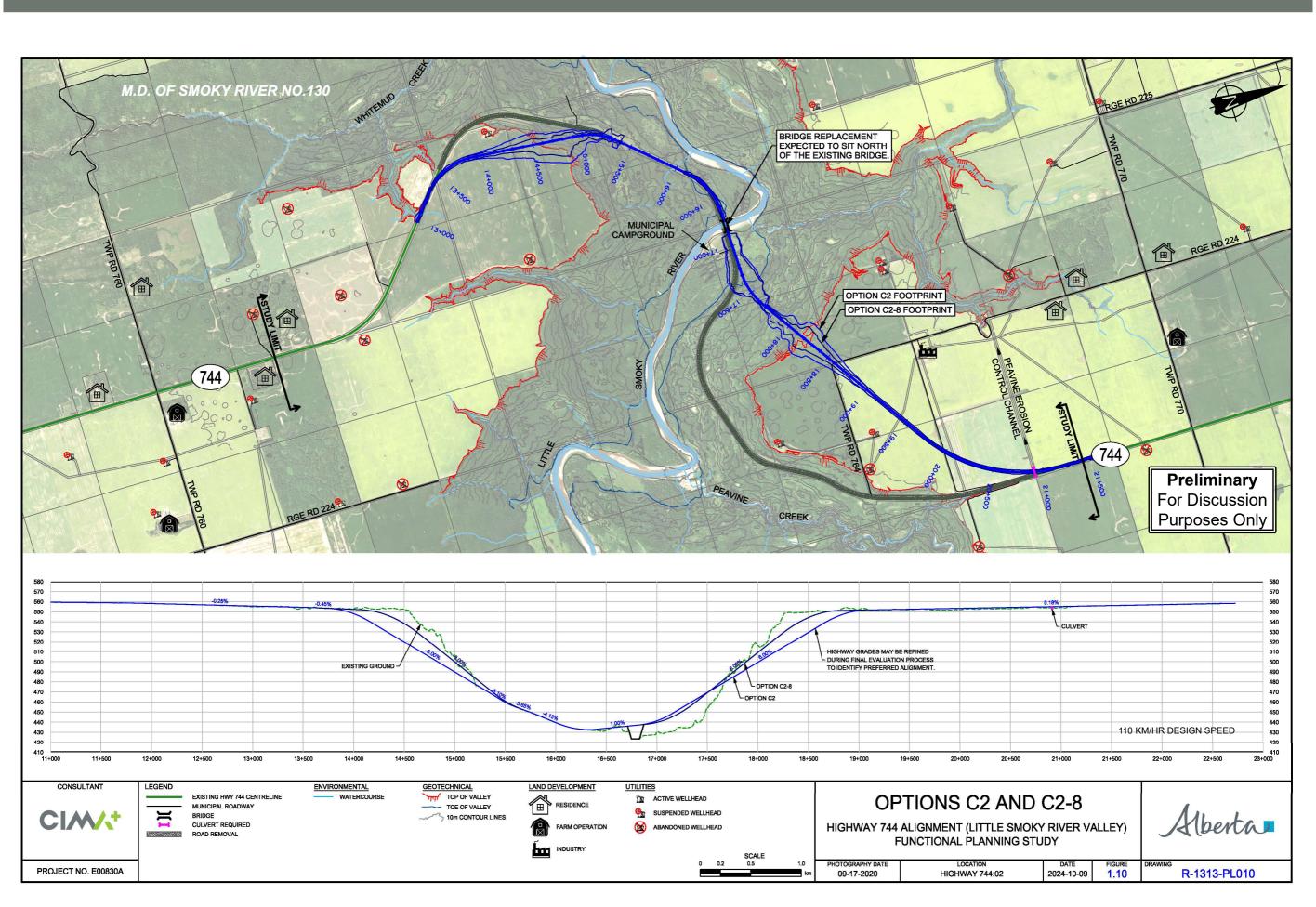
Potentially Feasible Alignment Alternatives



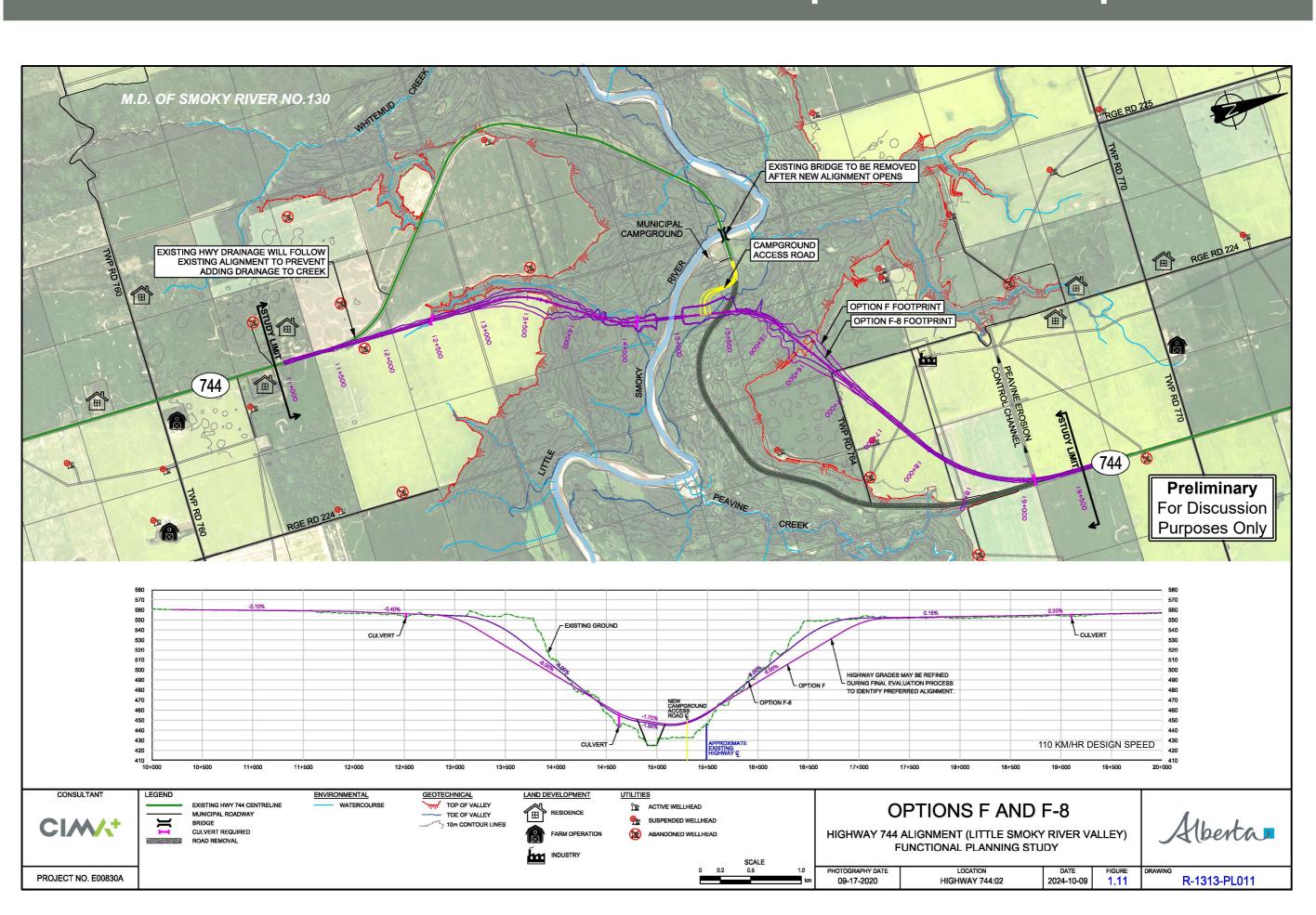
Option B and Option B-8



Option C2 and Option C2-8



Option F and Option F-8



Preliminary Screening

Criteria No.:	1		2	3	4		5		6		7
OPTION	Design		Fusivonmental	Duides	Geotechnical Stability		Staging and Detours		Impact to Land Use		Dualiminam
	% Grade & Design Speed	Campground Access	Environmental & Historical Resources	Bridge Placement & River Training	Risk and Uncertainty	Service Life	Traffic Disruption & Constructability	Stageability	Fragmentation & Removal	Surplus Fill on Quarter Sections	Preliminary Cost Estimate
В	Moderate	Moderate	Good	Best	Poor	Worst	Moderate	Good	Good	Moderate	Moderate
B-8	Poor	Good	Good	Best	Moderate	Poor	Moderate	Good	Best	Best	Good
C2	Best	Poor	Good	Best	Best	Good	Poor	Good	Poor	Worst	Poor
C2-8	Moderate	Moderate	Good	Best	Best	Good	Poor	Good	Moderate	Best	Good
F	Best	Good	Worst	Good	Good	Good	Moderate	Worst	Moderate	Worst	Worst
F-8	Moderate	Good	Worst	Good	Good	Good	Moderate	Worst	Good	Best	Good

Screening Criteria

RANKING LEGEND

	Poor Outcomes	В	Better Outcomes		
Scale:	Worst	Poor	Moderate	Good	Best

1. Design

Highway grade & design speed and the changes needed to restore access to the campground

2. Environmental & Historical Resources

Impact on watercourse crossings, fisheries and historical resources.

3. Bridge Placement & River Training

Structure and bridge design requirements, including river and slope protection needs

4. Geotechnical Stability

Compares design requirements to establish a stable roadway and minimize risk of future failures and road closures.

5. Staging & Detours

Ease of upgrading the project over several years, minimizing disruption to traffic flow & access and ease of construction

6. Impact to Land Use

Fragmentation and removal of existing agricultural and grazing areas, impacts due to disposal of surplus fill.

7. Preliminary Cost Estimate

Anticipated construction and property costs





Highway 744 Alignment -Little Smoky River Valley Functional Planning Study

Next Steps

- Review and summarize Information Session comments
- Finalize alignment and include stakeholder input in the review and evaluation of alternatives
- Select proposed alternative
- Assess environmental, stormwater, bridge planning, and geotechnical requirements
- Develop functional plans
- Hold Information Session 2 to present the proposed plan



Highway 744, Looking West Across the Little Smoky River Valley





Keep In Touch



Your input is important. Please fill out a comment form.



Was the information provided helpful in understanding the study? Please provide your general comments on the study information presented.



To receive notification of the next information session, please provide your email address on the comment forms.

Information session information will be available at: https://www.alberta.ca/highway-744-little-smoky-river-valley

Thank you for attending!

Please plan to attend the next session in Spring 2025



