

SITE INSPECTION FORM

SITE NUMBER AND NAME: GP052 Puskwaskau River Slide		HIGHWAY & KM: 736:02, 27.011	PREVIOUS INSPECTION DATE: July 19, 2021 Section B October 22, 2024 Warranty	INSPECTION DATE: June 3, 2025
LEGAL DESCRIPTION: NE/SE 26-74-01-W6M	NAD 83 COORDINATES: UTM Northing Easting 11 6144232 434495		RISK ASSESSMENT: Slide: PF: 1 CF: 4 TOTAL: 4 Erosion: PF: 1 CF: 10 TOTAL: 10	
AVERAGE ANNUAL DAILY TRAFFIC (AADT): 90 (north) & 80 (south) (Reference No. 30760, 2024)			CONTRACT MAINTENANCE AREA (CMA): 504	

SUMMARY OF SITE INSTRUMENTATION: There is no instrumentation at the GP052 Site LAST READING DATE: N/A	INSPECTED BY: Chris Gräpel (KCB) Courtney Mulhall (KCB) Babatunde Awokunle (TEC) Rocky Wang (TEC)
PRIMARY SITE ISSUE: Two sites: repaired highway embankment slope failure and riverbank erosion on northwest (southbound) and southeast (northbound) sides of Hwy 736:02, respectively. Both sites repaired in 2023.	
APPROXIMATE DIMENSIONS: Repaired highway embankment slide was approximately 10 m high and 50 m wide, with an approximate 3H:1V slope and an approximate 1.5-m to 2.0-m high near-vertical head scarp at the embankment edge. Repaired riverbank erosion was approximately 6 m high and 110 m long, with a near-vertical erosion scarp approximately 3 m high and 50 m long.	
DATE OF ANY REMEDIAL ACTION: 2023 (Contract No. CON0022582) – Highway embankment slide repaired, which included: excavation of slide material, construction of a shear key with geogrid-reinforced granular fill, installation of perforated drainpipe, and reconstruction of slope with geogrid-reinforced granular fill to an approximate slope angle of 3.75H:1V. Riverbank erosion repaired, which included: realignment of river channel, grading of embankment to an approximate slope angle of 2H:1V, armouring toe of slope with riprap, installing brush layer installation within riprap, and installation of live staking on south riverbank.	

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		X	Gravel road, none observed at time of 2025 inspection.		X
Slope Movement		X	None observed at time of 2025 inspection.		X
Erosion		X	None observed at time of 2025 inspection.		X
Seepage		X	None observed at time of 2025 inspection.		X
Culvert Distress		X	None observed at time of 2025 inspection.		X

COMMENTS

Embankment Slope Slide (Photos 1 to 4)

- No visual indications of slope movement were observed at the time of the 2025 inspection (Photos 1 through 4). Revegetation of the slope is well underway.
- Wetland area (oxbow lake) at the toe of the highway embankment.

Riverbank Erosion (Photos 1, and 5 to 7)

- No visual indications of continuing erosion or slope movement were observed at the time of the 2025 inspection (Photos 1, and 5 to 7). Growth of willows within the brush layer and live staking on the south riverbank have been successful.
- Puskwaskau River (Class C watercourse) at the toe of the highway embankment.

Maintenance/Repair/Monitoring Recommendations:

- This site should continue to be inspected by the Maintenance Contract Inspector (MCI). However, based on the performance of the repairs, so far, TEC could consider removing the site from the list of active GRMP sites and excluding it from the GP South GRMP Section B inspections. If site conditions were to deteriorate, the site could always be returned to the list of active GRMP sites and/or inspected again as part of a Section B inspection or Section D call-out inspection.

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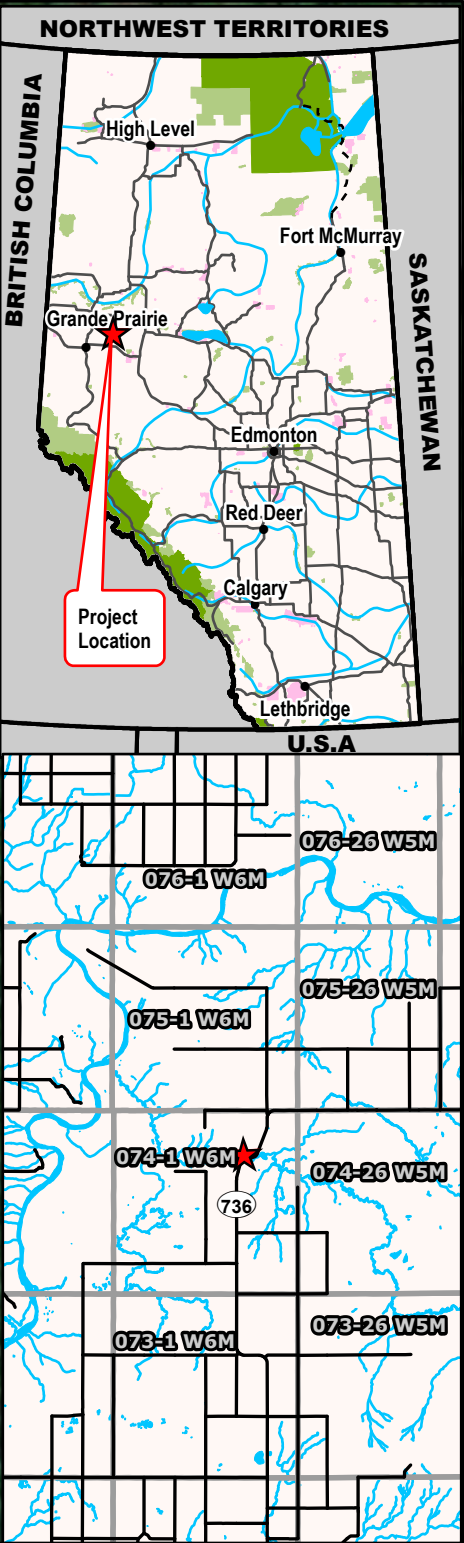
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Courtney Mulhall, M.Sc., P.Eng.
Geotechnical Engineer

File: Z:\A\EDM\A05116A01\ABT Grande Prairie South GRMP\400 Drawings\GIS\WXD\2025\Section BIGS6\AT_GP052_250704\AT_GP052_South_SectionB_GP052_250704.aprx Date: Time: Creator: HManandyan



Legend

- Watercourse
- Flow Direction
- Guardrail

NOTES:
1. HORIZONTAL DATUM: NAD83
2. GRID ZONE: UTM Zone 11N
3. IMAGE SOURCE: 2022 MICROSOFT CORPORATION,
2022 MAXAR CNES, DISTRIBUTION AIRBUS DS
4. AVAILABLE IMAGERY DOES NOT SHOW REPAIRS
COMPLETED IN 2025.

CLIENT

Alberta

Klohn Crippen Berger

PROJECT	PEACE REGION (GRANDE PRAIRIE DISTRICT-SOUTH) GEOHAZARD RISK MANAGEMENT PROGRAM		
TITLE	Site Plan GP052 - Puskwaskau River Slide Hwy 736:02, km 27.001		
SCALE	PROJECT No.	FIG No.	
1:2,000	A05116A01	1	

Inspection Photographs

Photo 1 Overview of GP052 site, showing repaired highway embankment slide and riverbank erosion sites. UAV photo taken June 3, 2025, facing northeast.

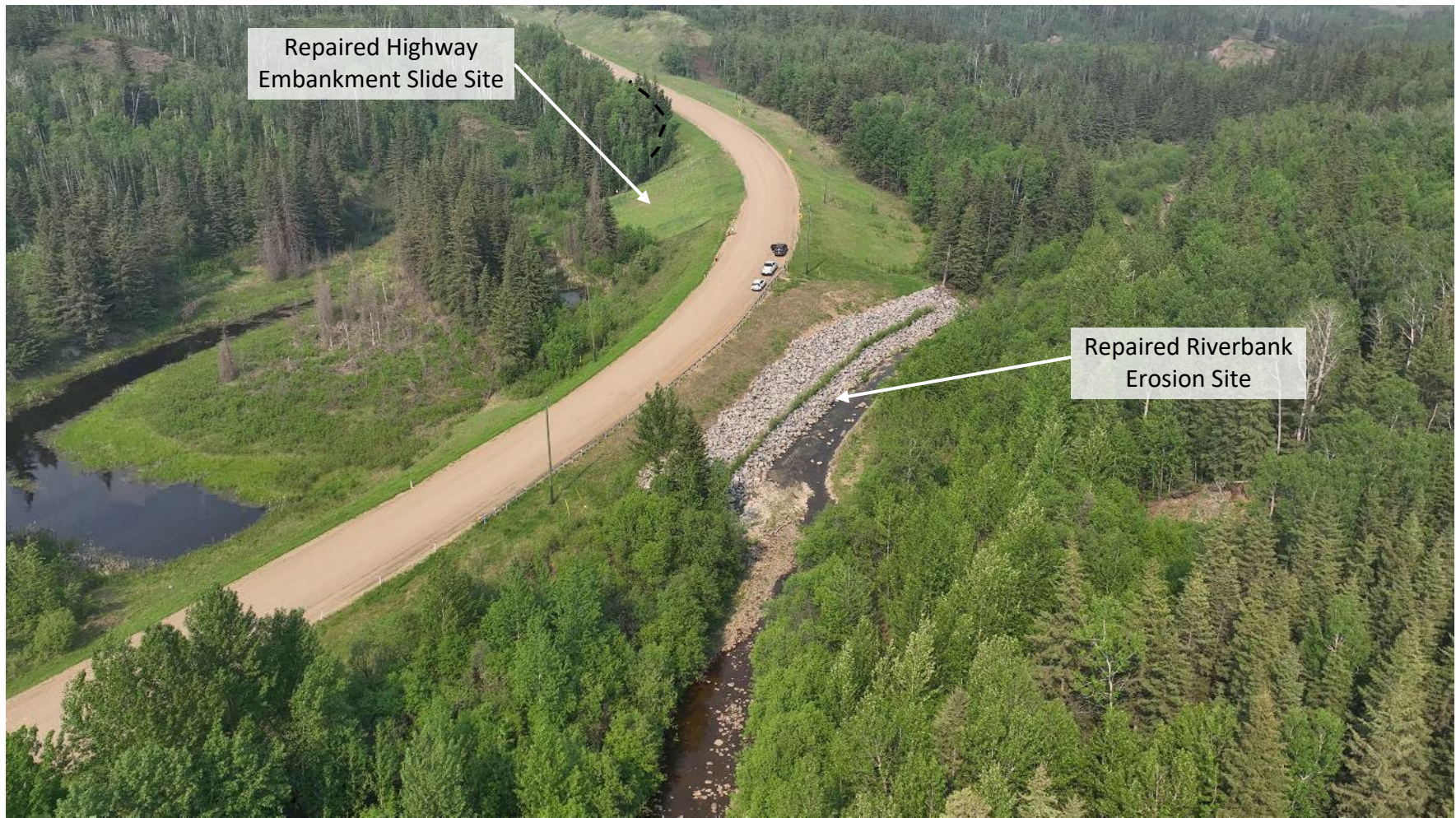


Photo 2 **Repaired highway embankment slide on northwest side of Hwy 736:02. UAV photo taken June 3, 2025, facing east.**



Photo 3 **Repaired highway embankment slide on northwest side of Hwy 736:02. UAV photo taken June 3, 2025, facing southwest.**



Photo 4 **Repaired highway embankment slide on northwest side of Hwy 736:02. UAV photo taken June 3, 2025, facing northeast.**



Photo 5 **Repaired riverbank erosion on southeast side of Hwy 736:02. Note row of live staking in riprap. UAV photo taken June 3, 2025, facing northeast.**



Photo 6 **Repaired riverbank erosion on southeast side of Hwy 736:02. UAV taken June 3, 2025, facing southwest.**



Photo 7 **Repaired riverbank erosion on southeast side of Hwy 736:02. Note row of live staking in riprap. Photo taken June 3, 2025, facing southwest.**

