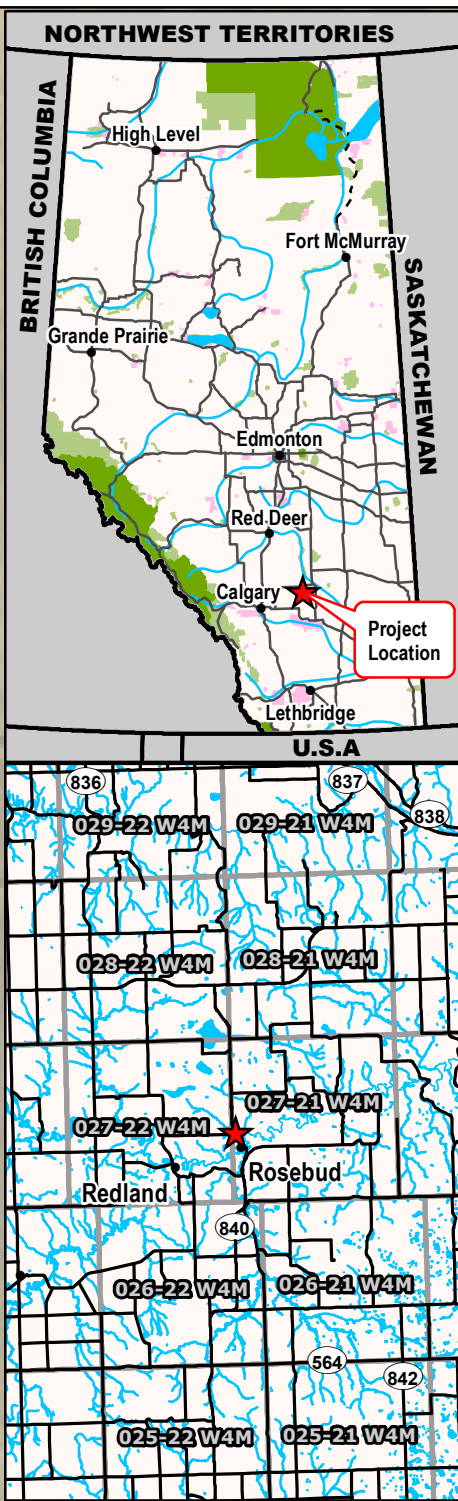
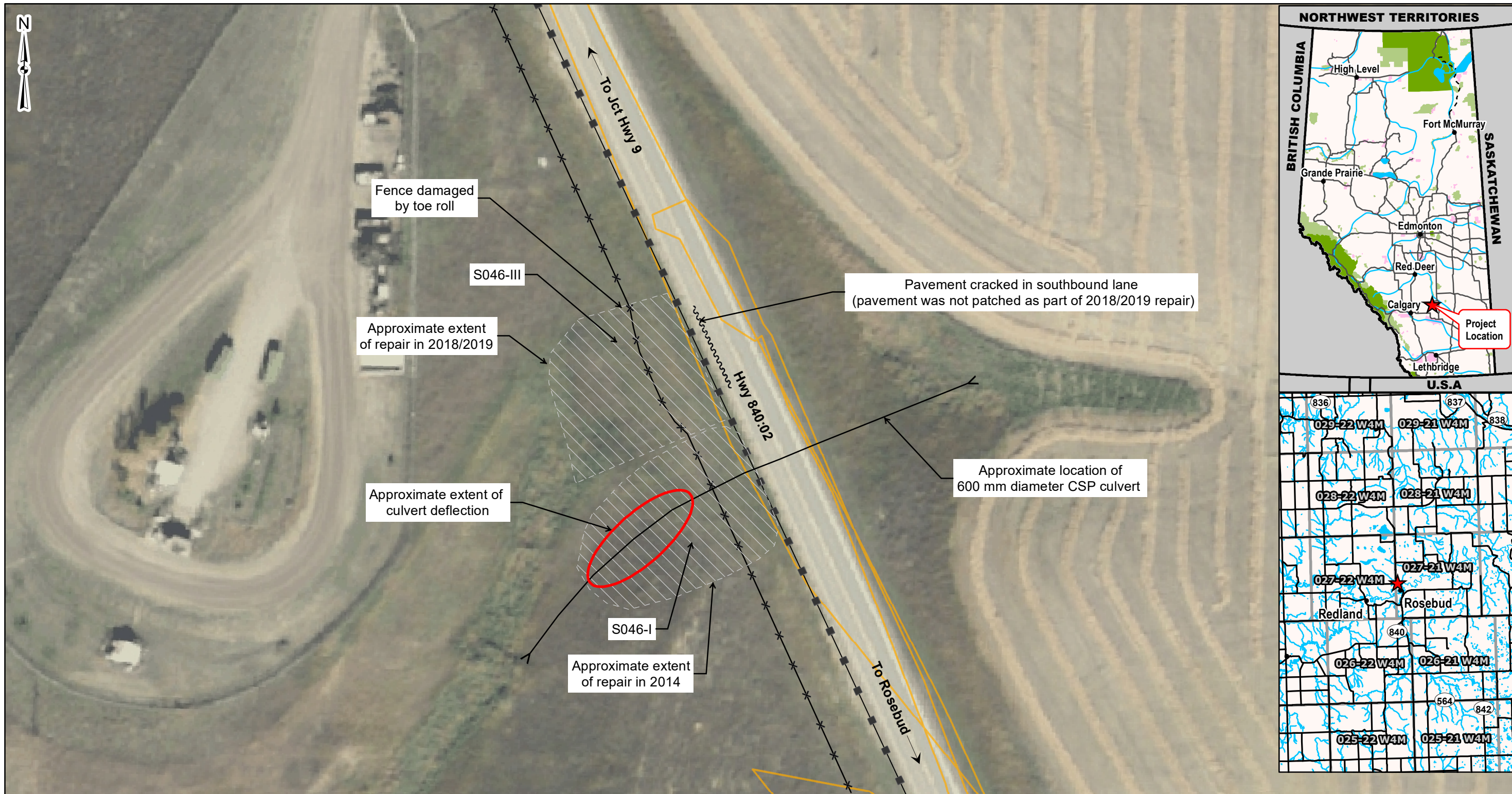


SITE NUMBER AND NAME: S046 - I, II & III Rosebud Slides		HIGHWAY & KM: 840:02, 32.422 (I, III) 26.847 (II)	PREVIOUS INSPECTION DATE: June 12, 2018 (I & III))	INSPECTION DATE: July 10, 2019
LEGAL DESCRIPTION: 12-18-027-21 W4M	NAD 83 COORDINATES: UTM Northing Easting 12 5685886 363665		RISK ASSESSMENT: S046-I PF: 1 CF: 1 TOTAL: 1 S046-III PF: 1 CF: 1 TOTAL: 1	
AVERAGE ANNUAL DAILY TRAFFIC (AADT): 420 (south) 520 (north)(Reference No. 107240, 105210)			CONTRACT MAINTENANCE AREA (CMA): 29	

SUMMARY OF SITE INSTRUMENTATION: None LAST READING DATE: n/a	INSPECTED BY: Chris Gräpel (KCB) Ryan Gazley (KCB) Rishi Adhikari (AT) Tony Penney (AT)
PRIMARY SITE ISSUE: S046 – I and III: adjacent shallow slope failures in the highway embankment fill where Hwy 840 crosses a creek valley. The slides are located on the west side (southbound lane) of Hwy 840. The slope failure at S046 – III occurred in June 2016 adjacent to the S046 – I site which was repaired in 2014.	
APPROXIMATE DIMENSIONS: S046 – I: the reconstructed slope is approximately 20 m wide. S046 – III: the reconstructed slope is approximately 25 m wide at the crest, and highway embankment is approximately 8 m high.	
DATE OF ANY REMEDIAL ACTION: S046 – I and II: 2014 – failures repaired with gravel fill, slopes regraded; S046-III – slope failure repaired in late 2018 or early 2019.	

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress	X		S046 – III: pavement cracks in eastbound lane from 2016 failure.		X
Slope Movement		X	S046 – III: slope repaired	X	
Erosion		X	None observed		X
Seepage		X	None observed		X
Culvert Distress		X	S046 – I and III: 600 mm diameter CSP culvert flowing		X

COMMENTS
At S046 – I, slope is well vegetated and erosion control blanket (i.e. coconut matting) is still intact.
At S046 – III: <ul style="list-style-type: none"> - Slide has been repaired since the 2018 inspection and covered with an erosion control blanket (i.e. coconut matting). - Vegetation appears to be establishing itself through the coconut matting
The S046 – II site has not been inspected since 2016.
KCB Recommends that all S046 sites be removed from the southern region GRMP tour. The maintenance contract inspector should visit the site periodically and advise AT engineering and the region GRMP consultant of any changes.



Legend

- GPS Track (July 10, 2019)
- Fence
- Guardrail
- Crack
- Culvert
- Scarp
- Toe Roll
- Riprap



<p>NOTES:</p> <ol style="list-style-type: none"> 1. HORIZONTAL DATUM: NAD83 2. GRID ZONE: UTM Zone 12N 3. IMAGE SOURCE: Abacus Datagraphics Ltd. Image dated July 5, 2011 to October 7, 2011 	<p>CLIENT</p> 	<p>PROJECT</p> <p>SOUTHERN REGION GEOHAZARD RISK MANAGEMENT PROGRAM</p> <hr/> <p>TITLE</p> <p style="text-align: center;">Site Plan S046 - I and III Rosebud Slides Hwy 840:02, km 32.442</p> <hr/> <p>SCALE: 1:750 PROJECT No. A05115A03 SKETCH No. 1</p>
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Time: 11:00:25 AM
 Date: September 06, 2019
 File: Z:\A\EDM\A05115A02.ABT Central Region GRNIP\400 Drawings\2019\2 Section B12_2019 Site Inspections\MXD\S046_190906.mxd

Photo 1 S046-III slide has been repaired since the 2018 inspection. Vegetation can be seen growing through the erosion control blanket. Photo taken July 10, 2019 looking north.



Photo 2 Close-up view of S046-III slide repair and erosion control blanket. Photo taken July 10, 2019 looking southeast.

