

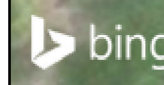
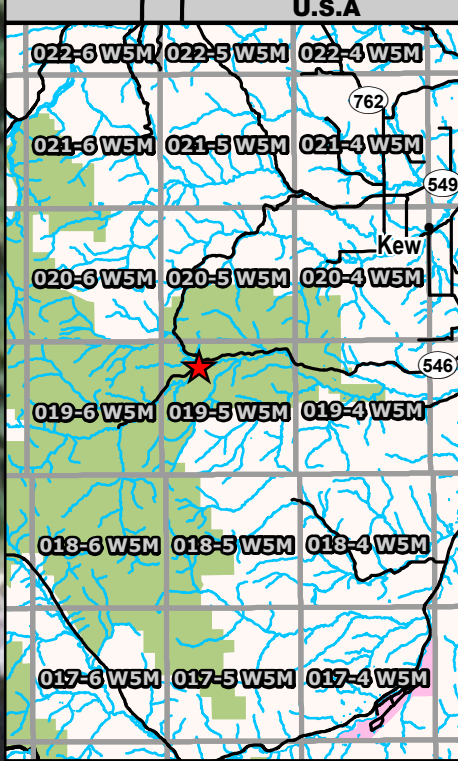
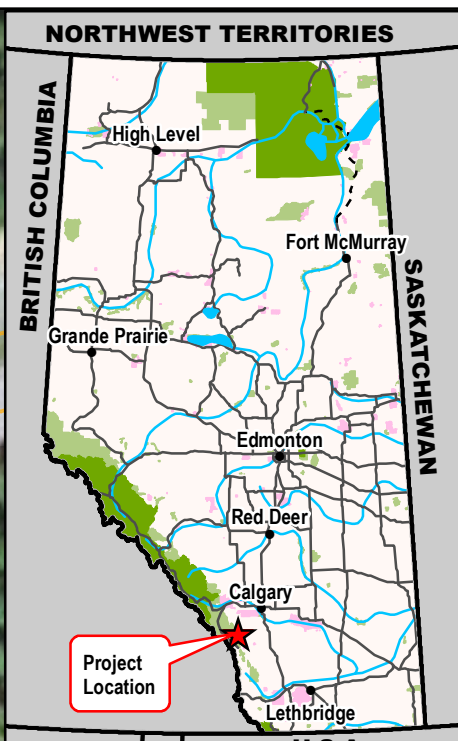
SITE NUMBER AND NAME: <b>S056-III West Gorge Creek, west of Turner Valley</b>		HIGHWAY & KM: Sheep River Road	PREVIOUS INSPECTION DATE: N/A	INSPECTION DATE: <b>May 6, 2019</b>
LEGAL DESCRIPTION: 07-35-019-05 W5M	NAD 83 COORDINATES: UTM Northing Easting 11 5613836 670702		RISK ASSESSMENT: PF: 9 CF: 4 TOTAL: 36	
MONTHLY AVERAGE DAILY TRAFFIC (MADT): June 2017 360 (west), 300 (east). (Ref. No. 55460220)			CONTRACTOR MAINTENANCE AREA (CMA): 27	

SUMMARY OF SITE INSTRUMENTATION:  Two standpipe piezometers were observed at the site, assumed installed in 2018 for bridge work.  LAST READING DATE: N/A		INSPECTED BY: Chris Gräpel (KCB) Chris Morgan (KCB) Alex Frotten (AT) Roger Skirrow (AT) Nicolas Ropchan (AT) Maury Siddons (AT)
PRIMARY SITE ISSUE: Slope failure on the south side of the highway due to surface runoff. Slope erosion is undermining the existing large diameter CSP culvert and has undermined the guard rail of the highway.		
APPROXIMATE DIMENSIONS: Slope instability has undermined the guard rail and started to impact the edge of pavement.		
DATE OF ANY REMEDIAL ACTION: N/A		

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress	X		No pavement cracking observed. Instability has started to erode edge of highway.		
Slope Movement	X		Slope failure on southern side of highway.		
Erosion	X		Erosion due to surface water runoff.		
Seepage	X		Visible at base of gully.		
Culvert Distress	X		Unable to verify condition of existing culvert but surface erosion is undermining the culvert		

<b>COMMENTS</b>
First visit to the site. AT have confirmed that the culvert in this location will be replaced by a bridge. No further visits to the site are required.
Standpipe piezometers are present to the east and west of the culvert, labelled as TH18-1 and TH18-2.





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**Legend**

- GPS Waypoint (May 6, 2019)
- GPS Track (May 6, 2019)



NOTES: 1. HORIZONTAL DATUM: NAD83 2. GRID ZONE: UTM Zone 11N 3. IMAGE SOURCE: Bing Maps 2019, Microsoft Corporation.	CLIENT 	PROJECT SOUTHERN REGION GEOHAZARD RISK MANAGEMENT PROGRAM
		TITLE Site Plan West Gorge Creek Site III Sheep River Road
SCALE 1:1,000	PROJECT No. A05115A03	FIG No. 1

Time: 16:39:55 PM  
 Date: June 24, 2019  
 File: \\nt.klohn.com\ProjData\A\EDM\A05115A03\ABT\_Southern Region GRMP\400 Drawings\2019\2\_Section BIMXD\WestGorgeCreek\_III\_190624.mxd



**Photo 1** Slope erosion due to surface water runoff, adjacent to existing culvert. Photo was taken facing south on May 6, 2019.



**Photo 2** Ongoing slope retrogression impacting the highway. Photo was taken facing east on May 6, 2019.





**Photo 3** Back scarp of slope failure. Photo was taken facing northwest on May 6, 2019.



**Photo 4** Debris and vegetation at upstream entrance to culvert. Photo was taken facing north on May 6, 2019.

