

SITE NUMBER AND NAME: S056-IV West Gorge Creek, west of Turner Valley		HIGHWAY & KM: Sheep River Road	PREVIOUS INSPECTION DATE: N/A	INSPECTION DATE: May 6, 2019
LEGAL DESCRIPTION: 12-36-019-05 W5M	NAD 83 COORDINATES: UTM Northing Easting 11 5614130 671333		RISK ASSESSMENT: PF: 3 CF: 2 TOTAL: 6 (Erosion) PF: 2 CF: 1 TOTAL: 2 (Rockfall)	
MONTHLY AVERAGE DAILY TRAFFIC (MADT): June 2017 360 (west), 300 (east). (Ref. No. 55460220)			CONTRACTOR MAINTENANCE AREA (CMA): 27	

SUMMARY OF SITE INSTRUMENTATION: None 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: Rock slope adjacent to the highway with ongoing sloughing. Rocks from the slope are falling onto the road.	
APPROXIMATE DIMENSIONS: Rock face is approximately 120 m long. Slope erosion south of the highway has undermined the safety barrier and has reached the pavement edge.	
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		Damage to pavement observed due to rockfalls.		
Slope Movement		X			
Erosion	X		Surface water runoff leading to slope erosion on southern side of highway.		
Seepage		X	None observed.		
Culvert Distress		X			
COMMENTS					
First visit to the site. Site will be monitored moving forward.					
Rock slope on north side of highway consists of folded and fractured sandstone and conglomerate with claystone layers. The toe ditch is shallow and rocks are falling onto the highway. A culvert under the road is present at the east end and is plugged with a rock.					
Surface runoff is eroding the slope south of the highway and erosion has reached the pavement edge.					

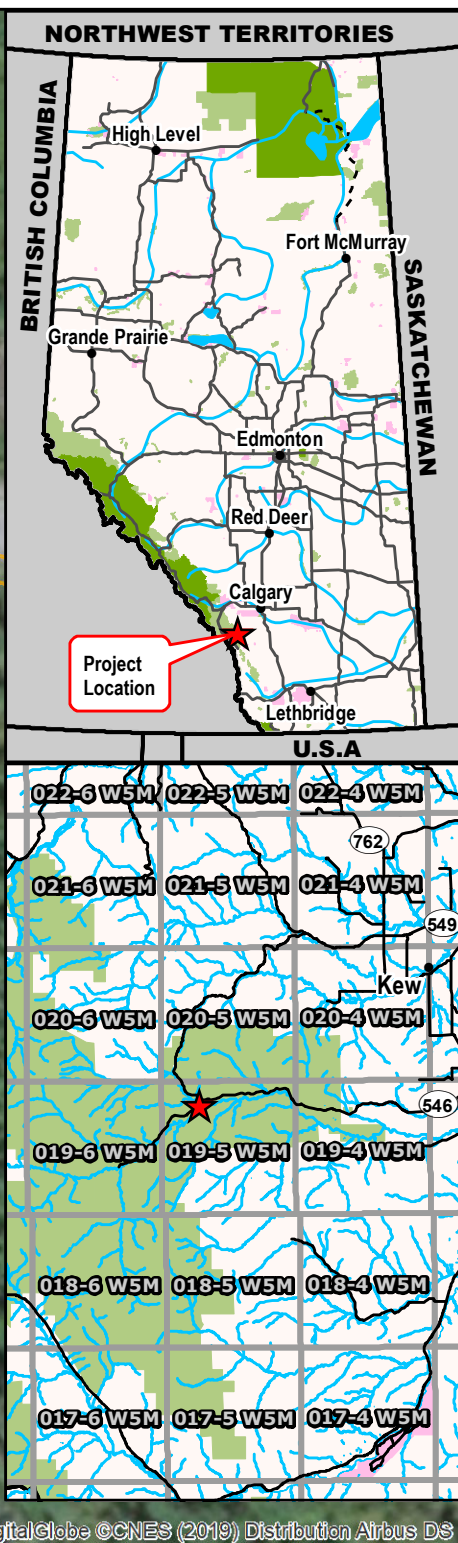
Recommendations include:

Short-Term

- Clean out the toe ditch and unplug the culvert beneath the road to minimize runoff erosion into the existing erosion site.

Long-Term

- Rock slope analysis to evaluate rockfall potential and routes;
- Scaling of portions of the rock slope where the rock slope is directly adjacent to the road to create a rock fall ditch; and
- Installation of rockfall fence partway up the rock slope to catch rocks with the potential to bounce onto the roadway.



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

Time: 16:08:04 PM
 Date: June 24, 2019
 File: Z:\A\EDM\A05115A03\ABT Southern Region GRMP\A00 Drawings\2019\2. Section BIMXD\WestGorgeCreek_M_190624.mxd



© 2019 Microsoft Corporation © 2019 DigitalGlobe © CNES (2019) Distribution Airbus DS



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 IV Sheep River Road
SCALE 1:1,000	PROJECT No. A05115A03	FIG No. 1

Photo 1 Rock slope north of highway. Photo was taken facing west on May 6, 2019.



Photo 2 Rock slope north of highway. Photo was taken facing northwest on May 6, 2019.



Photo 3 **Rock slope north of highway. Photo taken facing north on May 6, 2019.**



Photo 4 **Rock slope north of highway. Photo taken facing northeast on May 6, 2019.**



Photo 5 Slope erosion south of highway. Photo was taken facing east on May 6, 2019.

