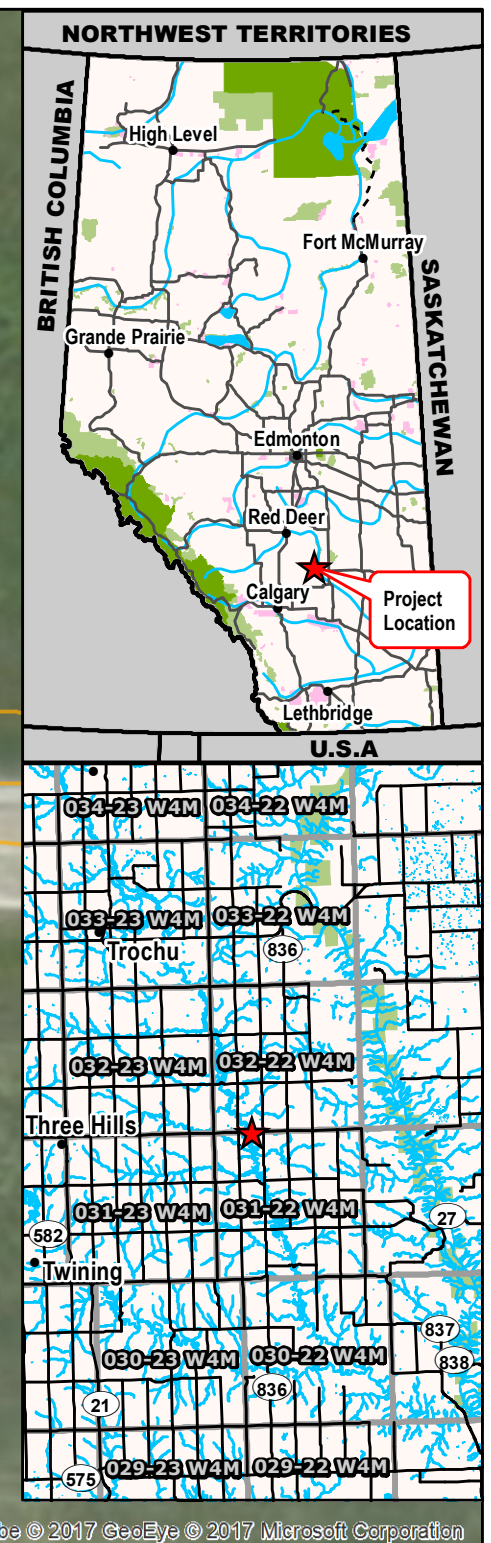


SITE NUMBER AND NAME: C069 East of Three Hills		HIGHWAY & KM: 583:02, 35.087	PREVIOUS INSPECTION DATE: July 20, 2016	INSPECTION DATE: June 13, 2017
LEGAL DESCRIPTION: 02-05-032-22 W4M	NAD 83 COORDINATES: UTM Northing Easting 12 5730540 355849		RISK ASSESSMENT: PF: 1 CF: 2 TOTAL: 2	
AVERAGE ANNUAL DAILY TRAFFIC (AADT): 200 (west) & 520 (east) (Ref No. 105260 & 103270)			CONTRACT MAINTENANCE AREA (CMA): 20	

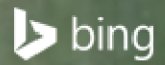
SUMMARY OF SITE INSTRUMENTATION: Operational: Two pneumatic piezometers (PNs) installed in October 2016. LAST READING DATE: May 11, 2017		INSPECTED BY: Chris Gräpel (KCB) Courtney Mulhall (KCB) Roger Skirrow (AT) Tony Penney (AT)
PRIMARY SITE ISSUE: A slope failure along the north slope (westbound lane) of the highway embankment that was repaired in November 2016. Previous slope movements were exacerbated by periods of heavy or prolonged rainfall.		
APPROXIMATE DIMENSIONS: The slope failure was approximately 15 m wide at the crest and 25 m wide at the fence line. The highway embankment is approximately 6 m high sloped at approximately 3H:1V.		
DATE OF ANY REMEDIAL ACTION: November 2016 – highway embankment excavated and reconstructed with geogrid reinforced compacted gravel fill, with the inclusion of a shear key and a 200-mm diameter perforated pipe drain.		

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		X	Site recently patched		X
Slope Movement		X	None observed		X
Erosion		X	Slope poorly vegetated; silt fence damaged		X
Seepage		X	None observed		X
Culvert Distress		X	N/A – No culvert present		X

COMMENTS
The previous inspection was completed as part of a call-out.
The repaired slope is poorly vegetated and maybe susceptible to erosion. Fill material that was spread out over the slope during the 2016 repair was not graded, likely due to frozen conditions. The silt fence is also not properly installed, and will not be an effective perimeter control measure for sediments.
Settlement of the asphalt patch placed after the 2016 repair was likely due to settlement of the fill that was placed during freezing conditions and either could not be moisture-conditioned and/or compacted prior to freezing. A new asphalt patch was placed after KCB visited the site in mid-April 2017.
The fence on the repaired slope is tilted (not related to slope instability).
Discussed remedial actions: remove “bump” warning sign; tidy and seed slope; repair fence and silt fence.
The site is recommended for removal from the GRMP.



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Legend

- GPS Track (June 13, 2017)
- ✕—✕ Fence
- ◆ Pneumatic Piezometer (PN)



Time: 13:48:55 PM
 Date: July 18, 2017
 File: Z:\A\EDM\A05115A02\ABT Central Region GRNIP\00 Drawings\2017\2. Section B\2017 Site Inspections\MXD\C069_170718.mxd

NOTES: 1. HORIZONTAL DATUM: NAD83 2. GRID ZONE: UTM Zone 12N 3. IMAGE SOURCE: Bing Maps 2016, Microsoft Corporation. Image dated August 2013 4. Location of instruments is approximate (not surveyed)	CLIENT 	PROJECT CENTRAL REGION GEOHAZARD RISK MANAGEMENT PROGRAM
		TITLE Site Plan C069 - East of Three Hills Hwy 583:02, km 35.087
	SCALE 1:500	PROJECT No. A05115A02
		FIG No. 1

Photo 1 The repaired slope is poorly vegetated and susceptible to erosion. Photo taken June 13, 2017 looking west.



Photo 2 The fence is tilted and the silt fence is damaged. Photo taken June 13, 2017 looking west.

