SITE C26: H585:02 Instability and Erosion

LEGAL LOCATION:	NW 21-33-22-W4		
REFERENCE LOCATION ALONG HIGHWAY:	18.98 – 20.19		
UTM COORDINATES (NAD83):	**N5745785**	**E358606**	(Site A)
	N5746032	**E358750**	(Site B)
	N5744526	**E362400**	(Spring to…
	N5744835	**E362620**	)
AT FILE:	H585:02		
AT PLAN & PROFILE:	SR585 Mile 0.21 to Mile 6.87		

Date of Initial Observation:	2003
Date of Previous Inspection:	May 21, 2003 (KCCL)
(Inspected by)	May 18, 2004 (KCCL)
Instruments Installed:	None
Instruments Operational:	
Reading Dates: (Read by)	

Risk Assessment:	PF(9) * CF(2) = **18**
Last Updated by:	Klohn Crippen Consultants Ltd. (KCCL)
Date:	May 2004

Location

The sites are located about 15 km east of Trochu and 2 km west of the Red Deer River.

General Description of Site Conditions

Site A
Pavement distress due to downslope movement. Slope about 15 m high above pond at about 3H:1V. Highway last patched in the summer of 2002 (previous patch lasted about 3 years) – now about a 0.6 m thick asphalt layer in this area about 5 m long. No apparent bulging of the slope was observed and it would appear that the mechanism is more likely a shallow slumping of the fill slope. This highway may be scheduled for work in 2005.

Site B
Similar pavement distress to Site A measuring about 15 m long and extending back to the road centerline.

Site C
A large erosion ditch has been formed by a spring in the valley slope. The spring has been observed to flow year-round. Some slumping was observed in the erosion channel sides, however, the ditch is currently outside the clear zone of the highway.

Geotechnical Conditions

Refer to East Approach Tolman Bridge Slope Stability Investigation Report.

Chronology (Refer to Section G for Further Information)

Little information is available on this site as it was previously a county road.

Reports and Documents

May 2003 Inspection Form (KCCL)
May 2004 Inspection Form (KCCL)
SR585-East Approach Tolman Bridge Slope Stability Investigation Near Rumsley, Alberta, Hardy BBT Limited. December, 1989.