

SITE C19: H575:04 Upper Slide

LEGAL LOCATION: 28-29-21-W4

REFERENCE LOCATION
ALONG HIGHWAY:

UTM COORDINATES (NAD 83): N 5,707,585 E 369,915

AT FILE: H575:04

AT PLAN & PROFILE:

Date of Initial Observation: 2001

Dates of Previous Inspections: May 22, 2001 (KCCL)
(Inspected by) May 16, 2002 (KCCL)
June 11, 2002 (KCCL)
May 18, 2004 (KCCL)

Instruments Installed: None

Instruments Operational: None

Reading Dates: None
(Read by)

Risk Assessment: $PF(7) * CF(4) = 28$

Last Updated by: Klohn Crippen Consultants Ltd. (KCCL)
Date: June 2004

Location

Located above the Red Deer River valley, about 20 km northwest of Nacmine, SH575:04 is located at the top of an embankment fill about 30 m to 40 m high with slopes of about 1.0H to 1.5H:1V. For a length of about 55 m, the lane at the crest of the slope is indicating signs of distress in the form of longitudinal and transverse cracks with corresponding depression of the pavement.

General Description of Site Conditions

The area of pavement distress extends over the entire south lane of SH575 for a length of about 55 m corresponding to the crest of the embankment. Longitudinal and transverse cracks were present on the last inspection. The lane was patched in 2001 and the cracks are not currently visible, indicative of no movement of the highway. The steep slope showed no signs of cracking close to the crest and was well vegetated. The guardrail was replaced in 2001 and shows no sign of displacement.

It was noted that historic slide activity was present on the opposite valley slope.

Geotechnical Conditions

Chronology (Refer to Section G for Further Information)

June 2001

Initial site inspection performed by Klohn Crippen.

Summer 2001

Guardrail replaced.

June 2002

No indications of displacement of the guardrail.

Reports and Documents

May 2001 (KCCL) Inspection Report

May 2002 (KCCL) Inspection Report

May 2004 (KCCL) Inspection Form