Alberta Transportation

CENTRAL REGION
GEOHAZARD RISK ASSESMENT
SITE INSPECTION FORM

Klohn Crippen Berger

SITE NUMBER AND NAME	HIGHWAY & KM	PREVIOUS INSPECTION DATE	INSPECTION DATE
C32 H838:02 Erosion	10+100	June 13, 2008	**June 4, 2009**

LEGAL DESCRIPTION	NAD 83 COORDINATES	RISK ASSESMENT
SE34-29-21-W4	N 5709625 E 370580	PF: 1 CF: 1 TOTAL: **1**

SUMMARY OF SITE INSTRUMENTATION:	INSPECTED BY:
None LAST READING DATE:	PROFESSIONAL ENGINEER OF ALBERTA DARREN W. RATCLIFFE

PRIMARY SITE ISSUE: Internal erosion of fill due to separated downslope culvert.

APPROXIMATE DIMENSIONS: The erosion feature was about 5 m deep and was located about 10 m from the edge of the highway.

DATE OF ANY REMEDIAL ACTION: Geo-cell ditch protection constructed in Spring 2005. Pipe replaced in 2007.

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		X			X
Slope Movement		X			X
Erosion	X		The geo-cell ditch protection provided in 2005 is generally performing well with occasional washouts. The south end of the ditch is passed into a buried 600 mm diameter CSP leading to the base of a high fill section. The pipe separated close to the top of the downdrain and flow leaving the pipe entered the fill. Due to the high erosion potential of the fill, a large underground void opened into a large erosion feature where the flow daylighted on the fill slope and continued to the base of the valley beside the pipe. This pipe was replaced with a buried HDPE pipe in 2007.		X
Seepage		X			X
Culvert Distress	X				X

COMMENTS

Refer to previous reports. This site can be removed from the assessment program.

The buried CSP was excavated and removed in 2007. A partially buried HDPE pipe was installed as a replacement and is performing well.