Alberta Transportation Southern Region Geohazard Assessment Site S26 – Elkwater, Highway 41:03 CG25277.B September 2008





Photo S26-1 (top)
Facing south across the south

Facing south across the southern end of Area A, with tension cracking and downdrop of the southbound lane visible.



Photo S26-2 (bottom)
Another view, facing north, of the damaged segment of road at the south end of Area A.





Photo S26-3 (top)

Facing northbound across the damaged segment of the highway. The segment of the ditch where the trench drain was installed in July 2008 is visible on the right hand side of the photo.



Photo S26-4 (bottom)

Closer view of the damaged segment of the highway, facing northbound. The fresh overlay was placed at the end of July 2008, and tension cracking and settlement has occurred on both the north and south flanks of the patch since then. The layout of the overlay illustrates the shape and extent of the past damage to the road surface – consistent with an arcshaped slump headscarp that has retrogressed just beyond the centerline of the highway.

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Photo S26-5 (top)
Another view of the damaged segment of the highway, facing southbound.



Photo S26-6 (bottom)

Timber lagging installed along the upslope edge of the guardrail at the north flank of the damaged segment of the highway. The accumulated thickness and weight of the multiple overlays has caused the lagging to bulge outwards.