Alberta Transportation Southern Region Geohazard Assessment Site S18 – Galatea Creek Rock Cut, Highway 40:12 CG25332.200 October 2010



Photo S18-1 (top) – June 2010

A stitched panoramic image of the East Cut slope taken from atop the West Cut. The curvature of the highway is exaggerated due to the image processing. Clearly visible are the possible wedge, toppling, and block sliding failure modes currently supported by rock bolts. Also visible is the large accumulation of rock fall to the left of the people standing on the road.



Photo S18-2 (left) – June 2010

Facing southbound along the west ditch. All rock fall is contained within the ditch.

Photo S18-3 (right) – June 2010

Facing northbound along the east ditch near the south end of the East Cut. Minor rock fall in this area that does not appear to have landed on the road, however boulder and cobble-sized rocks have been noted onto the edge of the pavement in past inspections.





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Photo S18-4 (left) – June 2010

Facing northbound along the east ditch. Increased accumulation of rock fall is noted in this area since the 2009 inspection.

Photo S18-5 (right) – June 2010

Facing southbound along the east ditch. Some large boulders have fallen into the ditch. The boulders may be part of a larger wedge failure or may be due to continued unravelling of the rock face.





Photo S18-6 (left) – June 2010 Evidence of large wedge failure from the East Cut in the past. Some blocks in the area appear unstable.

