



Photo S20-1 – August 2004 (upper left)

Facing eastbound along Highway 541 with the Highwood House Rock Cut visible on the left side of the road. This view illustrates the overall slope profile with the approximately 20 m high, near-vertical to vertical cut slope along the road and the natural slopes up to 35° inclination above the crest of the cut slope.



Photo S20-2 – June 2007 (bottom)

Facing north across Highway 541 with the central and western ends of the Highwood House Rock Cut visible. The exposed bedrock consists of steeply dipping beds of shale, coal and conglomerate with the dip direction roughly parallel to the highway alignment and down towards the west (left, as seen in this photo). Note the significant accumulation of rockfall debris in the talus cones in the road ditch.

The rockfalls are caused by weathering and erosion of the exposed rock in the cut slope as well as erosion of the rocky soil exposed along the crest of the cut slope that releases cobble to boulder sized rocks.



Photo S20-3 – June 2007 (upper left)
Facing eastbound along the north highway ditch at the toe of the cut slope. The boulder visible to the right of the Telus pedestal has a maximum dimension of approximately 2 m and was judged to have fallen during 2005 based on the site inspections at that time.



Photo S20-4 – June 2007 (upper right)
Closer view of the talus cones that were accumulated in the north ditch at the time of the June 2007 inspection. Note the proximity of cobble sized rocks to the north edge of the pavement.



Photo S20-5 – June 2007 (lower left)
Facing westbound across the area shown in Photo S20-4.



Photo S20-6 – June 2007 (lower right)
Facing eastbound across the north ditch at the east end of the cut slope. Relatively less rockfall debris was present in the ditch at this end of the site, however some cobble-sized rocks were still noted within 1 m of the edge of the pavement.



Photo S20-7 – June 2007 (upper left)
Baseball sized rock noted in the middle of the westbound lane at the time of the June 2007 site inspection.



Photo S20-8 – August 2004 (upper right)
Boulder sized rockfall debris deposited along the north edge of the pavement in the central/west portion of the site.