



Photo S10A-1 (upper left) – May 2004 – facing north across the cracking and settlement area affecting the southbound lane at this site. This pattern of cracking and settlement at this location has been noted in previous inspections. The visible cracking and settlement has developed since the most recent repaving in July 2003.

Photo S10A-2 (upper right) – May 2004 – wider view of the area shown in Photo S10A-1. The shape of the affected area suggests a slump downwards to the west (left).

It is understood that a “fill failure” occurred at this site in the mid-1990’s and resulted in loss of service of the southbound lane. It is understood that the road was reconstructed with granular fill, however no details on the associated investigation and repair are available at this time.



Photo S10A-3 (lower left) – May 2004 – facing south across the settlement and cracking area shown in Photos S10A-1 and S10A-2. The north flank of the cracking is visible in the lower left corner of the photo and the south flank is visible in the middle background. The segment of the road surface between the edges of the cracking measures approximately 30 m along the west (right) shoulder of the road.



Photo S10A-4 (lower right) – May 2004 – possible secondary cracking in the southbound lane, approximately 15 m south of the south flank of the main cracking area shown in Photos S10A-1 to S10A-3.



North flank of cracking



Photo S10A-5 (left) – May 2004 – close-up view (facing north) of the cracking along the centerline in the main cracking area. Lateral separation approximately 20 to 25 mm. Vertical displacement approximately 25 to 50 mm. It appears that the visible cracking and displacement has developed since the July 2003 inspection and subsequent repaving of the road through this area.

The overall layout and appearance of the cracking suggests a slumping failure down to the west (left). The maximum eastward retrogression of the cracking is approximately 0.6 m east of the centerline, at the location labeled the middle background of this photo.



Photo S10A-6 (right) – May 2004 – close-up view (facing south) of cracking along centerline in main cracking area. Same area as shown in Photo S10A-5.