



Photo 1

View of NC 23 slide site viewed from east flank; note dip in Hwy 39:06 at west flank



Photo 2

Rip-rap armouring does not extend to toe of slope at outlet of culvert on east portion of slide



Photo 3
Inlet to culvert on east portion of slide above base of ditch



Photo 4
Pavement cracking at west flank of slide area



Photo 5
Hwy 39:06 looking east from west flank of slide area



Photo 6
Drill pad from 2009 instrument installation needs to be regraded and seeded

**SUMMARY OF MAINTENANCE RECOMMENDATIONS
2010 GEOHAZARD RISK ASSESSMENT
NORTH CENTRAL STONY PLAIN REGION**

NC-23 HWY 39:06 SLIDE NEAR GREENWOOD LAKE ROAD

Based on the observations made during the 2010 GRMP site inspection, the following maintenance procedures should be implemented to improve current slope conditions.

1. All of the toe drains beneath the passing lane fill should be exposed, extended and backfilled with free draining gravel to assist drainage through the fill. A proposal has been issued for this work.
2. Clean out and re-install silt fences at toe of sideslope.



Silt fences in need of maintenance

3. Re-grade, topsoil and seed the drill pad created for instrument installation in 2009.



Drill pad created in 2009 to install additional instruments

4. The riprap splash pad on the outfall side of the culvert (eastern portion of slide area and passing lane fill) should be extended to the base of the embankment to reduce erosion occurring on the slope.
5. The inlet to the culvert on the east portion of the slide area should be graded to minimize potential for ponding and infillation