



## Plate Piles™ Stop Active Landslide

Salina, Utah

### Geopier SRT® system selected for emergency slide repair at Fishlake National Forest

**Description:** The Gooseberry Road Improvement Project required that the toe of roadside cut slopes be moved further into the hillside to make room for the widened roadbed. Two landslides occurred in the cut back slopes. One slide was seven feet deep, as determined by exploration trenching. The second slide was three feet deep.

The contractor elected to repair the slides after the roadbed improvements were completed. Consequently, the failed slopes continued to creep as they were exposed to rain and sleet before the repairs were attempted.

**Geopier Solution:** Using the Geopier SRT® system, the slides were repaired with minimal earthwork consisting only of re-grading the slope to conform to the original pre-slide contours. Immediately after the slope regrading, the repair commenced using two excavators fitted with hydraulic hammers. One excavator was positioned at the top of the slide area and the other at the bottom. At the time that the repair of the larger 7-foot-deep slide began, the slide mass was still moving about 2 centimeters per day. Workmen laid out the Plate Piles™ location and drove to design depth in spite of ongoing rain and sleet.

The two landslides were repaired in one day. A total of 107 Plate Piles were installed to repair both landslides.



### PROJECT HIGHLIGHTS

**Project:**

Fishlake National Forest

**System:**

Geopier SRT

**Installation:**

200 Plate Piles