

## PROJECT DESCRIPTION

### *Letchworth Park Slope*

---



**Location:**  
Portageville, New York

**Client:**  
Norfolk Southern  
Corporation

**Client Contact:**  
Mr. J. R. Zimmerman,  
RPG  
404-658-2279

### **Scope:**

A Norfolk Southern mainline track crosses the Genesee River in Letchworth State Park and continues westward. The land on the north side of the track, west of the Genesee River, slopes downward towards the park about 100 feet.

The slope has shown signs of movement over the past several years. Recently, the slope's instability has affected the railroad, requiring the track to be re-surfaced and re-aligned several times. A scarp is located on the south side of the railroad indicating that the slide intersects the railroad track in two locations.

Norfolk Southern requested that MMCE explore the extent of the slope movement. A phased approach was used to provide flexibility to the program so that it could be adjusted to fit the geologic conditions observed in the test borings.

MMCE made test borings and installed inclinometers and a piezometer. MMCE is collecting data from the instruments on a regular schedule to identify the rate and amount of movement in the slope.

MMCE is reducing the instrument data to develop plots of the inclinometer data. The data are being tabulated and submitted to Norfolk Southern.