Case Study

Background
In order to construct the roadway, it was necessary to excavate approximately 15’ of the existing embankment. The existing water table uphill is about 10’ higher than the proposed roadway elevation.

Solution
It was decided to install RoaDrain in a section 1,100 feet long of roadway to intercept seepage from the high water table, and redirect to under drains, thereby keeping the roadway base and subbase dry. RoaDrain was installed 6” below the subbase, along with an under drain that will direct the water to a drainage structure.

Placing Roadrain in a high water table environment provided the following benefits:

• Exceptional collection, capacity, and flow rates
• Excellent compressive strength
• Provides Separation and Strength
• Significant cost savings over natural alternative