

Legacy Highway

Centerville, UT
Summer 2007 to Spring 2008
Geofoam Utility Protection
352,600 Cubic Feet

Application:

352,60 cubic feet of EPS 19 and EPS 22 Geofoam was used as utility protection in the expansion of Legacy Highway in Centerville, Utah.

Project Details:

Summer 2007, engineers required a light weight fill that would minimize the weight and settlement impacts on buried utilities under the new embankments of the Legacy Highway. The utilities (sewer, gas and storm drains) needed to remain in service during construction without expensive interruption, replacement or time consuming relocation. Each of the utilities were buried 10 feet below the embankment . An additional 20 feet of new earth fill would be added to the embankment during the expansion. The utilites would not be able to withstand the weight from the additional fill.

Engineer:

Marv Cook
Advanced Engineering
Solutions Inc

Contractor:

Brian Carr & Breck Rohner
Ames Construction

Engineers turned to EPS Geofoam to replace 16 feet of the heavy earth fill. Replacing earth fill with Geofoam reduced the weight on the below-grade utilities by 2,000 pounds per square foot. Using Geofoam on the Legacy Highway project saved installation time and helped to keep the project on schedule without interrupting service from the utilities or spending time and money relocating them. Legacy Highway is a 4 lane, multiple use road that costs \$400 million and will be completed in October 2008.

