

# Legacy Highway

## Application

352,000 cubic feet of EPS 19 and EPS 22 Geofoam was used as utility protection fill 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 utilities would not be able to withstand the weight from the additional fill.

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 was completed in October 2008.

## Geofoam

### Legacy Highway

- Centerville, UT
- Summer 2007 to Spring 2008
- Geofoam Utility Protection
- 352,000 Cubic Feet

### Engineer

Marv Cook  
Advanced Engineering  
Solutions

### Contractor

Brain Carr  
Breck Rohner  
Ames Construction



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