

# Togwotee Pass

## Application

94,500 cubic feet of EPS Geofoam was installed as embankment stabilization fill during the reconstruction of U.S. Highway 26 on Togwotee Pass 10 miles west of Dubois, Wyoming.

## Project Details

Summer 2009, the \$23.5 million reconstruction of U.S. 26 through Togwotee Mountain Pass required a fill material that would stabilize the roadway embankment and meet aggressive construction schedules. To complicate the project further, the roadway traverses through wetlands just outside of Grand Teton National Park which would be affected by the reconstruction of U.S. 26. Engineers diligently researched fill solutions that would minimize environmental impacts to the wetlands, meet their construction time-line and stabilize the roadway embankment.

According to James Dahill, Project Geologist for WYDOT, "There were many reasons we used EPS at this location. This specific application was for landslide stabilization on a high mountain pass. The area of repair was limited to a small portion of roadway embankment across a much larger slide complex." He further explains, "the challenges were numerous and included high quality wetlands at the toe of the slope, working within a larger landslide mass of unknown stability, traffic mobility and a shortened construction season."

EPS Geofoam was chosen by engineers to meet these unique construction challenges. "The use of EPS blocks allowed us to excavate the failed materials and quickly backfill the site. The design using EPS was the only feasible slide mitigation to obtain the necessary factor of safety, as the other typical solutions resulted in impacts to the wetlands," said Dahill.

## Geofoam

### Togwotee Pass

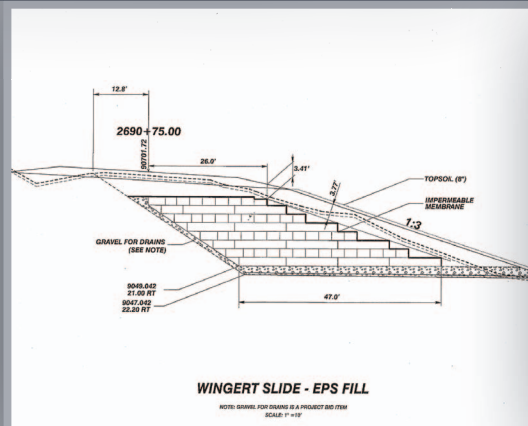
- Dubois, WY
- Summer 2009
- EPS Geofoam Embankment Stabilization
- 94,500 Cubic Feet

### Engineer

John Duncan  
DOWL HKM Engineers

### Contractor

Brad Olsen  
Oftedal Construction



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