

3300 South & I-215 Bridge

Application

24,200 cubic feet of EPS 22 Geofoam was used to reduce settlement on underlying soils and lateral pressure on the structural wall supporting the 3300 South & I-215 Bridge in Salt Lake City, Utah.

Project Details

In 2008, engineers used Geofoam to reduce settlement of 20 feet of compressible clay in the soil beneath the I-215 bridge support system. Using traditional fill material, such as soil, would have caused significant settlement problems and possible structural damage to the bridge.

The project employed a new technology called rapid bridge replacement. Traditional bridge replacement requires lane closures and impedes with traffic for a month or more, while rapid bridge replacement technology reduces the impact on lane closures and traffic to only a few days.

Geofoam

3300 South & I-215 Bridge

- Salt Lake City, UT
- Summer 2008
- Geofoam Structural Fill & Soil Stabilization
- 24,200 Cubic Feet

Engineer

Rick Chestnut
Terracon Engineering

Contractor

Bryan Jensen
Ralph Wadsworth Construction



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3300 South & I-215 Bridge

In traditional bridge replacement, the old bridge is demolished and the new bridge is constructed on site in its place. With rapid bridge replacement technology, a new piece of the bridge or even an entire span, is built on location close to where it will be installed. This allows traffic lanes to remain open and the old bridge to be operational until the new bridge is constructed.

The 3300 South & I-215 Bridge was replaced in just two days. *“The use of Geofoam significantly reduced construction time and greatly reduced the amount of structural reinforcement needed.”*

Rick Chestnut
Terracon Engineering

The easy to use and install EPS Geofoam saved money and installation time. Geofoam eliminated time that is needed for traditional fill to settle and maximizes installation efficiency because its easy to install and is not delayed by weather conditions.

Application

- Structural Fill & Soil Stabilization for Bridge Replacement
- EPS 22 Geofoam Fill
- 7.3 psi Compressive Resistance @ 1% Deformation

Geofoam Facts

- Extremely Lightweight to Reduce Lateral or Bearing Loads
- Predictable Performance
- Saves Installation Time & Labor
- Meets ASTM D6817



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