

GeoDesign Upgrades Geocomp Lab Systems Equipment

Client:

GeoDesign

Location:

Portland, OR

Products Provided:

- Resilient Modulus (RM) testing equipment

Value Provided:

- New equipment enabled expanded testing capabilities

Background & Project Challenges

GeoDesign wanted to update its soil testing and consolidation testing capabilities in accordance with new federal agency recommendations. GeoDesign needed a system that would provide close-loop resilient modulus (RM) testing along with the ability to automate strength and consolidation testing.

At the time, the company was equipped to conduct direct shear tests, but did not have a triaxial system and could not fulfill triaxial test requirements.



Geocomp Role & Accomplishments

GeoDesign selected Geocomp's system because of its design and strong technical support. The Geocomp equipment has dramatically increased GeoDesign's ability to complete detailed RM, strength and consolidation testing. It has increased the design team's confidence in its soil testing results.

The new equipment allows GeoDesign to define the materials to a higher and more efficient degree. The Geocomp system allows for automated testing to be conducted overnight without manual intervention. The new equipment includes feed-back loop automation, which allows for it to be fully automated.

The increased capabilities will allow GeoDesign to take on some additional soil testing that includes seismic parameters.