

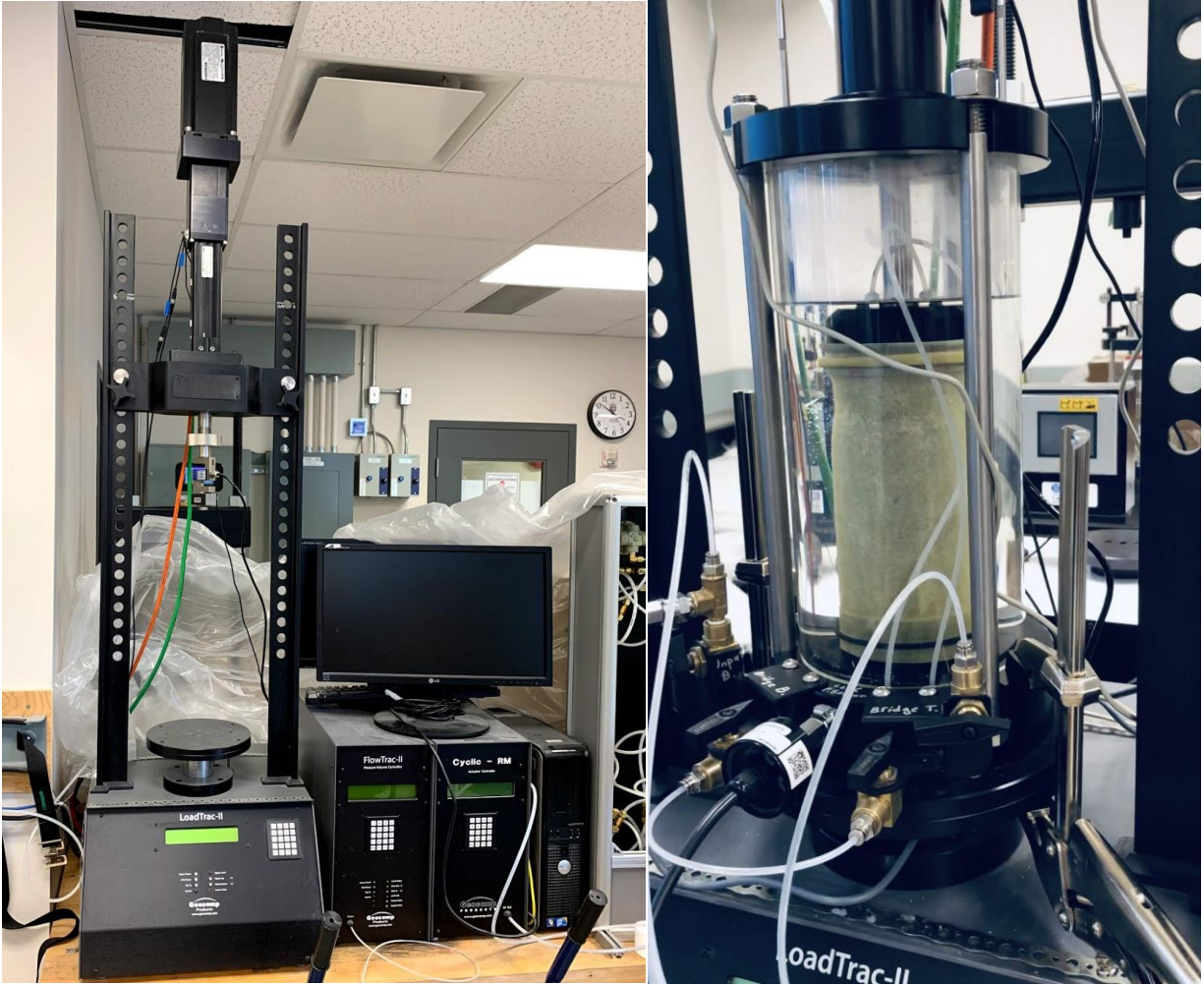
- Distributed Fiber Optics (Luna system)



- Static triaxial shear apparatus: DGSI, S-600



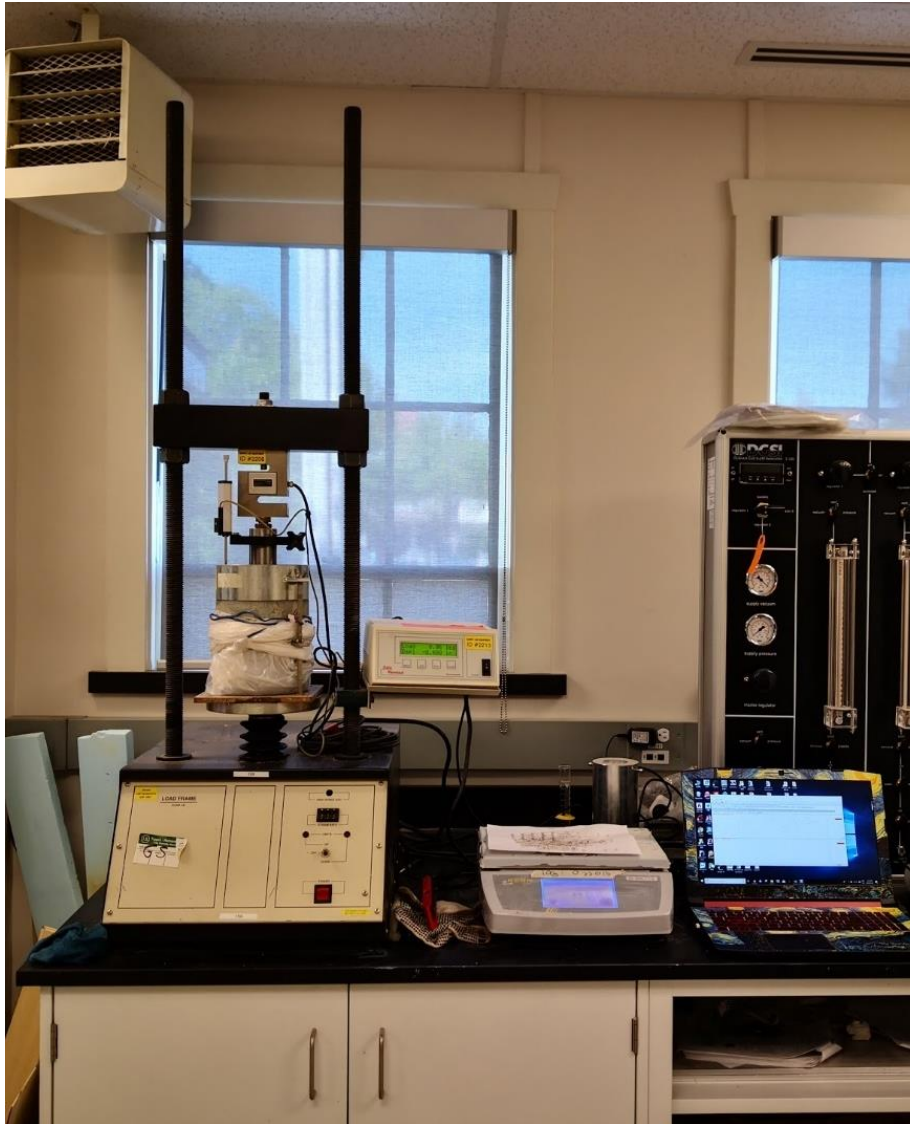
- Cyclic triaxial shear apparatus: Geocomp product, LoadTrac-II



- Unconfined Compression Strength Test



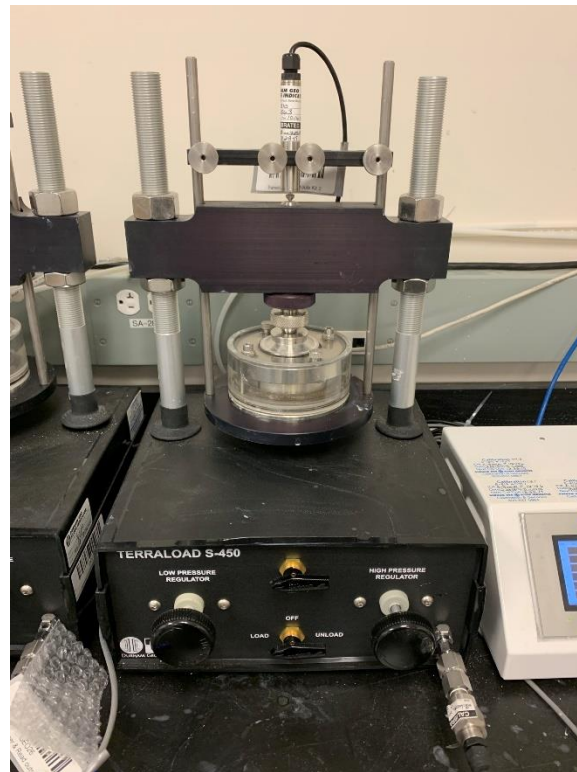
- California bearing capacity ratio test: Karol-Warner, model 7611



- Direct shear apparatus



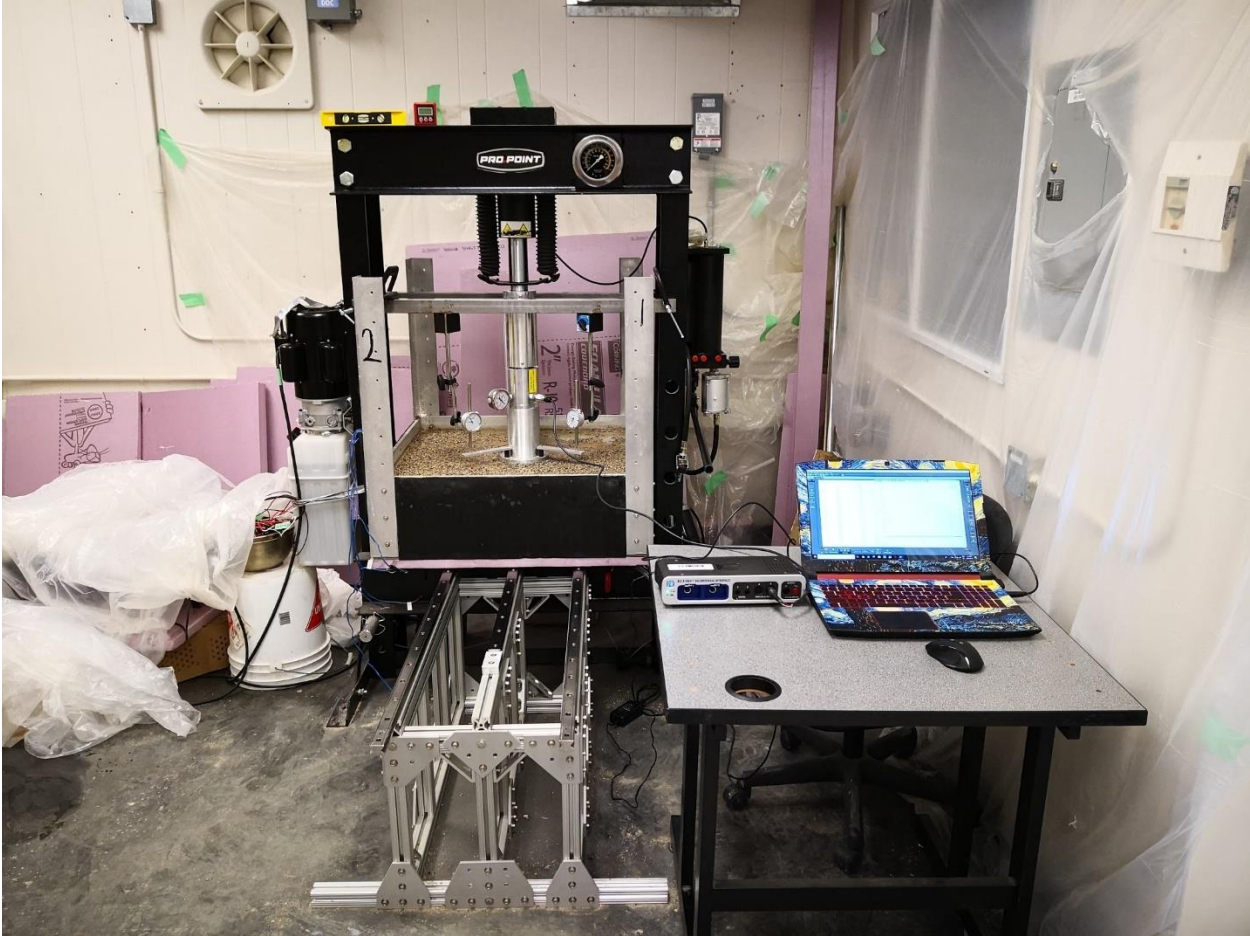
- Pneumatic Oedometer



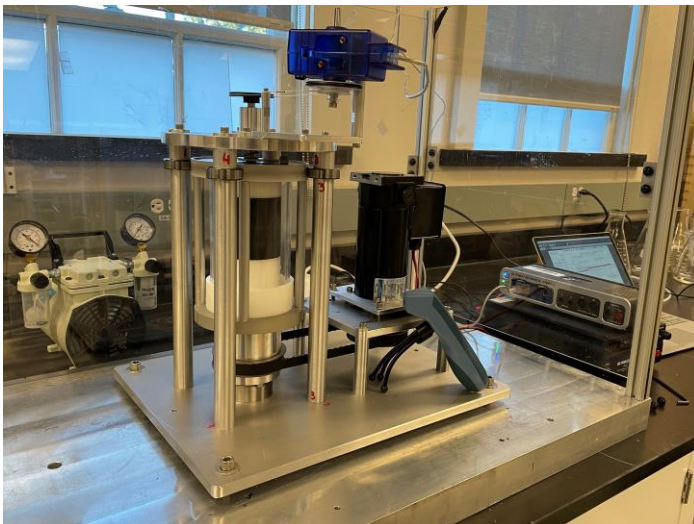
- Freeze-thaw apparatus



- Plate loading test apparatus



- Surface erosion for erodibility testing

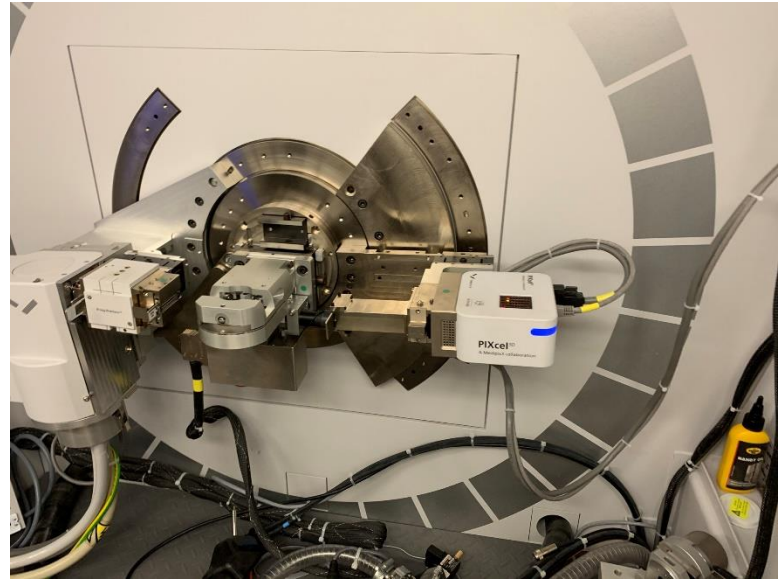


- Bender element (photos to be added)

10. Silverson High-speed Mixer – Silverson L5M-A High-shear Mixer



11. XRD – Empyrean, PANalytical Small Angle X-ray Scattering System



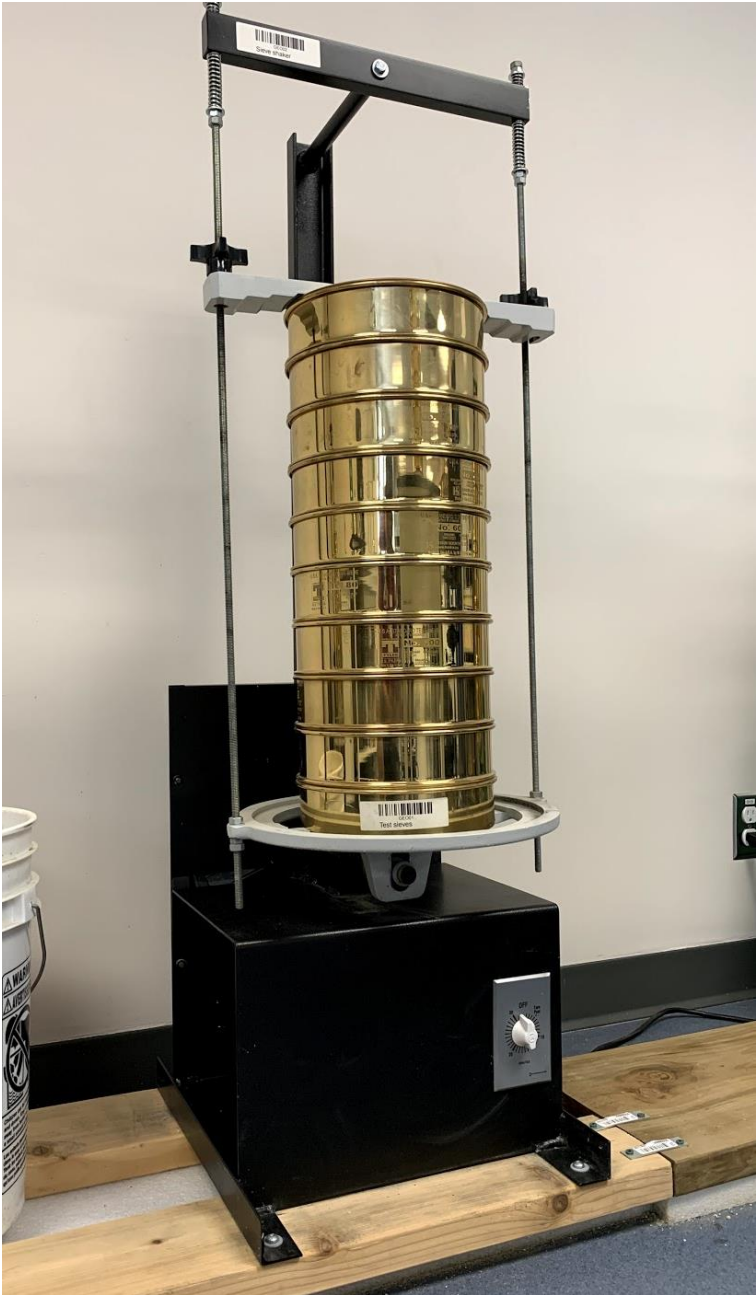
SEM – Hitachi S-4800 FESEM [1]



12. Curing box



13. Sieve analysis apparatus



14. Soil compaction



(a) Standard Proctor compaction



(b) Modified Proctor compaction

15. Atterberg Limit – Liquid Limit



16. Water content

