

# Floyd Edsall Training Center

Client – TRC, Inc.

Owner – State of Nevada



The Floyd Edsall Training Center Super Solar Project (Phase One) consists of the construction of structures to cover parking spaces at the Nevada Army National Guard facility. The covered parking canopies will be constructed with solar panels to generate electricity. The parking canopies are anticipated to be steel construction supported by drilled shaft foundations. The drilled shafts are anticipated to be 24 inches in diameter and extend to depths of 6 to 7 feet below the existing asphalt concrete pavement.

GES will perform a geotechnical evaluation for the parking canopies. GES, through its sister company Eagle Drilling Services, Inc., will drill exploratory borings at five locations at the site to depths of approximately 15 feet each. Due to the possible presence of existing underground utilities, GES will pothole using an air-knife to approximately 5 feet below the existing surface at the locations in addition to calling USA locate. Borings will be drilled using hollow stem auger methods and driven samples will be obtained at approximate 5 foot vertical intervals in the borings. GES will perform laboratory testing on soils obtained from the exploration to evaluate the properties of the soils. Based on observations made during drilling and the results of laboratory testing, GES will develop geotechnical recommendations for the covered parking canopies including earthwork recommendations and foundation recommendations; including friction and lateral resistance capacities. The recommendations will be presented in a geotechnical evaluation report.