ODOT - ASH-90-7.56
Interstate 90 Pavement Rehabilitation
Ashtabula County, OH

Project Description

Pro Geotech, Inc. was retained by Richland Engineering Ltd. to perform a geotechnical subsurface exploration services for Major Pavement Rehabilitation of Interstate Route 90 (IR-90) from approximately SLM 7.56 to approximately SLM 14.5 in Ashtabula County, Ohio. Plans also called for rehabilitation of existing I-90 interchange ramps at SR 45 and SR 11 and replacement complete removal of the mainline twin Bridges over the Western Reserve with a culvert and embankment. In addition, the State Road Bridge that carries vehicular traffic over IR-90 will be replaced to meet the required clearance over IR-90. The total project length is approximately 6.94 miles. The project started approximately at 0.4 miles west of SR 45 and ended approximately 0.4 miles east of State Road. Our scope of services included advancing 93 roadway test borings and five (5) structural soil borings for Western Reserve with a culvert and State Road Bridge, four (4) test borings along ramps at SR 45 Interchange, and 12 test borings along ramp at SR 11 Interchange for this project. These test borings were to be advanced to an approximate depths ranging from six (6) feet to 95 feet below the existing subgrade. Also, our scope of services included obtaining pavement and shoulder cores from I-90 EB & WB to determine the thickness and composition of the pavement. All test borings were advanced in accordance with the ODOT *Specifications for Geotechnical Investigations*. Upon completion of drilling, sampling, and testing, we prepared a geotechnical engineering report which included, Red Flag Summary, typed drilling logs and laboratory test results, and recommendations and discussions pertaining to pavement design including CBR Value(s), embankment design, MSE wall, culvert, and bridge foundation and finally preparation of Geotechnical Design Check List. Also, prepared were soil profile drawing sheets in accordance with the ODOT Specifications.

Client:
ODOT District 4
c/o Richland Engineering Ltd.
29 North Park Street
Mansfield, Ohio 44902-1769

Contact:
Mr. Dean A. Palmer, P.E.
419 524 0074

Performance Period:
2008-2010

Project Costs:
$220,000 (Fee)

PGI's Role:
Field Exploration
Laboratory Testing
Geotech Eng. Report