Interstate 90 Pavement & Bridge Deck Rehabilitation (LAK-90-13.10)

Lake County, Ohio

Project Description

Pro Geotech, Inc. (PGI) performed a geotechnical subsurface exploration for Pavement Rehabilitation of Interstate Route 90 (I-90) from Morley Road to approximately 2000 feet east of Paine Road in Lake County, Ohio. PGI also performed deck condition survey for 5 mainline bridges by using the radar inspection method to detect any delamination. PGI was retained by Thomas Fok & Associates to provide geotechnical engineering services for this project. The total project length is approximately 8.1 miles. Our scope of services included advancing 108 roadway test borings along I-90 and 14 ramp test borings. These test borings were to be advanced to an approximate depth of six (6) feet each below the existing subgrade. Also, our scope of services included obtaining pavement and shoulder cores from I-90 EB & WB right shoulders to determine the thickness and composition of the pavement. All test borings were advanced in accordance with the ODOT *Specifications for Geotechnical Investigations*. Core specimens from each bridge deck were obtained and performed examination and laboratory testing including PH and chloride ion content on the core specimens to evaluate the extent of the delamination. Geotechnical engineering and bridge deck condition survey reports were prepared upon completion of field operations and laboratory testing.

Client:
ODOT District 12
Thomas Fok & Associates, Ltd.
3896 Mahoning Avenue
Youngstown, Ohio 44515

Contact:
Mr. Richard J. Zabik, P.E.
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Performance Period:
2006 to 2008

Project Costs:
$213,964 (Fee)

PGI's Role:
Bridge Deck Condition Survey
Geotechnical Eng. Report