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# ***Interstate 475/Salisbury Road/ Dussel Drive Interchange*** *Lucas County, OH*

## ***Project Description***

The Pro Geotech, Inc. (PGI) provided subsurface exploration services for the improvements to Interstate Route 475 (I-475)/Salisbury Road/Dussel Drive interchange in Lucas County, Ohio. The purpose of the improvement was to ease the congestion of traffic along Salisbury Road/Dussel Drive. The project plan called for modification of the interchange includes realignment of the existing ramps and the addition of the new loop ramps. The project plan also called for the replacement of Bridge No. LUC-475-2.54 which carries Salisbury Road/Dussel Drive over I-475. Our scope of services included advancing 18 roadway and embankment test borings and three (3) structural soil borings Salisbury Road/Dussel Drive Bridge for this project. These test borings were to be advanced to an approximate depths ranging from 10 feet to 107.5 feet below the existing subgrade. Subsurface soils encountered were compressible and very weak cohesive soils above the bedrock. Upon completion of drilling, sampling, and testing, a geotechnical engineering report which included geology of the site, typed drilling logs and laboratory test results, recommendations and discussions pertaining to driven pile foundations, embankment design with waiting period including settlement and stability analyses, CBR values for pavement design, groundwater management, and construction monitoring were prepared. Also, prepared were soil profile drawing sheets in accordance with the ODOT Specifications.

### **Client:**

ODOT District 2  
c/o Euthenics, Inc.  
8235 Mohawk Drive  
Strongsville, Ohio 44136

### **Contact:**

Mr. Richard S. Wasosky, P.E.  
(216) 749 1555

### **Performance Period:**

2004

### **Project Costs:**

\$82,806 (Fee)

### **PGI's Role:**

Field Exploration  
Laboratory Testing  
Geotech Eng. Report



Pro Geotech, Inc