
C-5 Galaxy West Ramp Pavement Wright-Patterson Air Force Base Dayton, Ohio

Project Description

Pro Geotech, Inc. (PGI) provided geotechnical engineering services for pavement upgrades as part of the overall design effort for two C-5 Galaxy aircraft hangars at Wright-Patterson Air Force Base. The project area known as the West Ramp at the 445th Reserve Unit area serves the C-5 Galaxy aircraft. The concrete pavement was designed for C-5 aircraft while the asphalt pavement adjacent to the concrete ramp pavement was designed for non-aircraft, support vehicle traffic. Pro Geotech advanced 17 test borings in two phases for pavement design. The test borings were each advanced to a depth of 5.0 feet. PGI performed both classification testing and physical testing to determine the engineering properties of the soils. To provide pavement design parameters, PGI also performed California Bearing Ratio (CBR) testing on bulk soil samples obtained from the test borings.

Client:

Barge Waggoner Sumner &
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Contact:

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Performance Period:

January 2004 – June 2004

Project Costs:

\$16,518

PGI's Role:

Geotechnical Exploration

