

Airport Seawall Joint Repair

Orlando International Airport – Orlando, FL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Active construction site of new chiller plant, just off the SE terminal • Installation of 30" concrete retention wall panels into clay soil compromised the panel joints • Concern backfill behind the wall did not meet FDOT standards 	<ul style="list-style-type: none"> • GWS injected high-density, high-strength polyurethane at joints to densify soil, displace water, fill voids and seal joints. • Injection points were directed toward the joint and wall at various depths to ensure maximum exposure. 	<ul style="list-style-type: none"> • Greater Orlando Aviation Authority (GOAA) • Avcom Engineering • Austin Commercial 	<ul style="list-style-type: none"> • Minimal impact: Work was performed with no excavation. The crew completed work with no interruption to airport or construction operations. • Quick Installation: The project was completed in three days. • Result: Joints were sealed and project came in under budget (~10%)