



CONTINUING A LEGACY OF GEOTECHNICAL EXPERTISE

Geotech is a specialty contracting company founded by Ray Tartabini, who brings 36 years experience in providing leading edge applications to geotechnical engineering. The country's infrastructure and highway system has grown and with that expansion came an increased need to repair and stabilize many structures built on faulty and deteriorating substrate. Geotech has built a team of specialists and engineers knowledgeable in sub sealing, underpinning, grouting and high density polyurethane (HDP) injection procedures. The firm has increased in size and now Geotech serves engineering requests from California to New Jersey. The heritage of that service scope continues with the added expertise of Ray's son, Steve Tartabini ensuring that quality and service remain the cornerstone of the organization. The company, headquartered in Cleveland, Ohio continues to grow as it provides advanced geotechnical applications to soil and concrete stabilization.

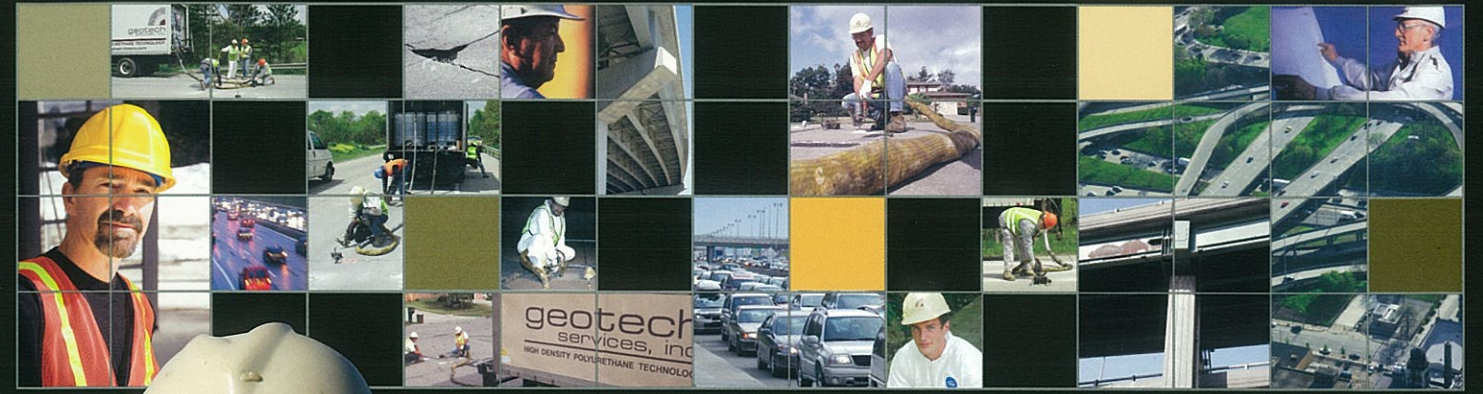


Geotech Services, Inc.
350 Golden Oak Parkway
Cleveland, Ohio 44146

440.439.5821
800.875.5826
Fax: 440.439.1544

www.geotechservicesinc.com

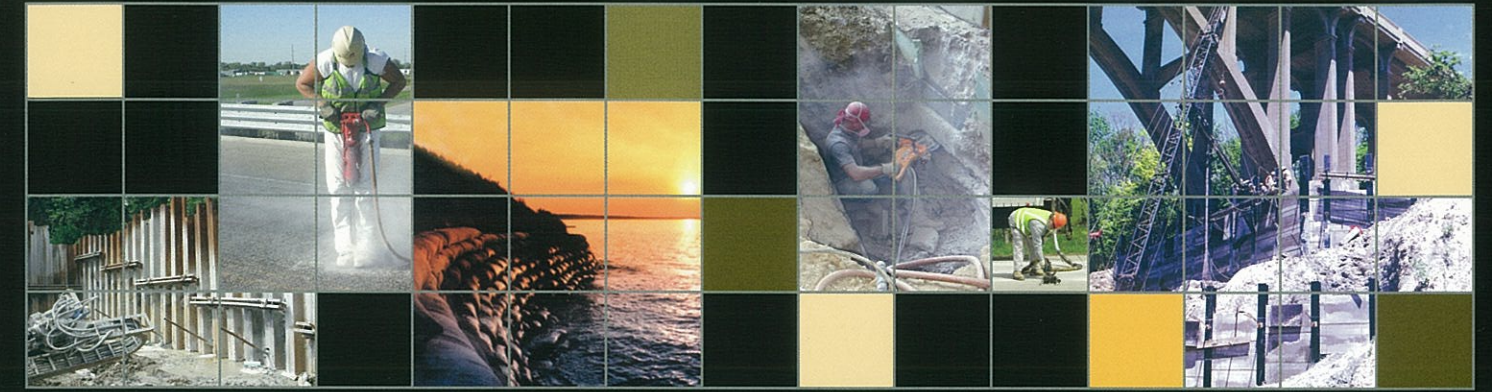
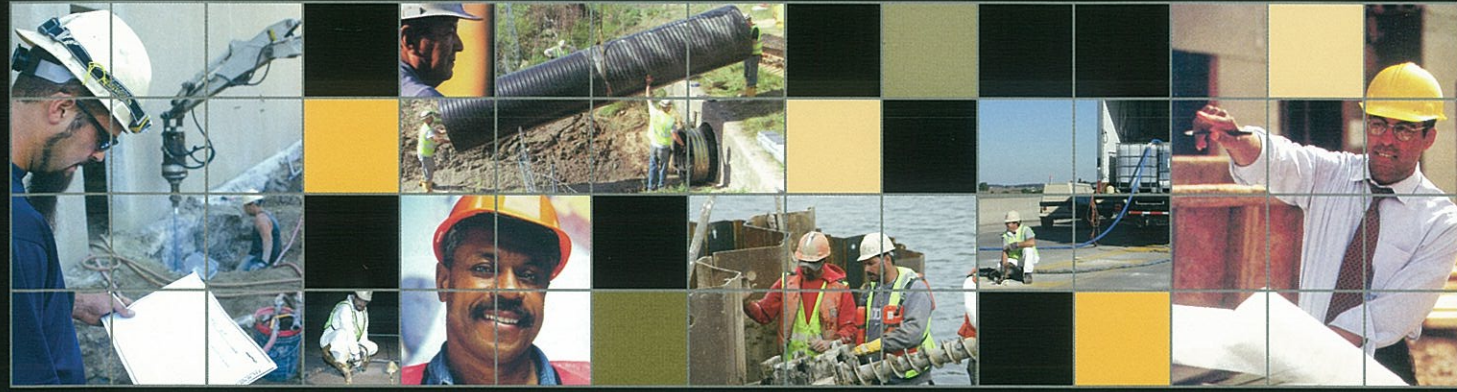
Leading the Way In Soil and Concrete Stabilization



A FULL SERVICE GEOTECHNICAL CONTRACTOR

**Pioneering the
Application of
HDP Technology
Nationwide**





Geotech Services Inc. is a specialty contractor that has been leading the way in soil and concrete stabilization for more than 20 years. The Cleveland, Ohio firm provides the most advanced applications in geotechnical engineering.

Serving:

- **Municipalities**
Helping Service Directors with effective low disruption geotechnical technologies.
- **Engineering Firms**
Supporting engineering groups who service major contractors, DPW and DOTs with highway leveling needs.
- **Departments of Transportation**
Working directly with more than 10 state DOTs on highway infrastructure repair needs.
- **Facility Managers**
Working directly with commercial property owners to repair and maintain building facilities.



HDP Pavement Stabilization/Leveling

High Density Polyurethane technology is used for under-sealing and slab-jacking highway pavement that has cracked and uneven joints caused by a deteriorated sub base.

Basic Cost/Benefit Comparison:

Project: Removal and Replacement of a Bridge Approach Slab.				
Repair	Cost	Time	Life	Disruption
Geotech HDP Technology	25% - 30%	Minutes	Indefinite	Minimal
Cement Grouting	30% - 40%	Hours	2-3 years	Hours
Asphalt Wedge	50% to 60%	Days	2-3 years	Days

High Density Polyurethane Foam Technology:

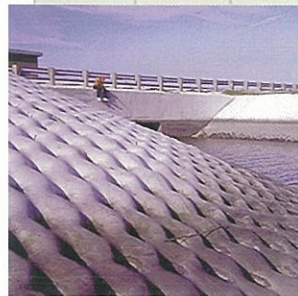
- Has Both Tensile & Compressive Strength
- Normal Traffic Can Resume in 15 Minutes
- Adds Less Weight to the Sub-Base
- Requires Minimal Equipment and Labor
- Seals Cracks & Joints from Underneath
- When used as part of a Pavement Maintenance Program, It Will Maximize Pavement Repair Budgets.

Erosion Control

Geotech is an experienced specialty contractor in the application of fabric formed concrete. Strong specially woven fabric mats and bags are filled with a highly fluid cement grout that results in an effective support. Construction

application is fast, economical and is a proven erosion control tool.

- Concrete can be pumped and cured below water line
- Site preparation is easier
- Reduced labor and materials costs



Rock and Soil Anchors



Rock and soil anchors can be either steel tendons drilled and grouted into place, or helical anchors screwed into the soil formation.

- Tieback Anchors are used to support retaining walls for mass excavations & earth retention.
- They are able to support a wall without interfering with foundation construction.
- Tiebacks can be used for temporary excavation support or permanent retaining structures.



Drilling & Grouting

Soil strength is often improved when Geotech Specialists drill into rock or soil and pressure grout existing voids. This technique is used in tunnels, dams and interceptor sewer systems to control water or soil inflows.

- Cement or Chemical pressure grouting can be used to stabilize weak soils or to fill voids & fissures in rock formations.
- Chemical pressure grouting is used to control ground water flows in sandy soils and to stabilize weak soils for foundation support
- Cement pressure grouting is also used in the compaction of weak soils.

Epoxy/Urethane Injection



Injection of epoxy or urethane grout is used to correct ground water intrusion and leaks in concrete walls and basement floors. The process is fast and efficient with little disruption to the area.

- Cracks in concrete structures can be bonded by epoxy injection to regain its structural integrity.
- Leaking concrete joints and/or cracks can be sealed by Hydrophilic urethane grout injection.
- Typically these methods include drilling into the crack or joint and inserting a port to inject either Epoxy or Urethane grout.

Foundation Underpinning



Helical Pier Systems are used to stabilize and support new or existing structures when unstable soil conditions cause foundations to sink resulting in cracked walls and sloped floors.

- Settled foundations can be stabilized & lifted back into position by installing A.B. Chance Helical Piers.
- New foundations proposed on weak soils can be supported with new construction piers.
- This system is engineered to be installed to a certain depth determined by hydraulic torque.