Superior
Est. 1983

THE UNDERGROUND AUTHORITY



Grouting Solutions for PUBLIC WORKS

Cementitious | Chemical | Polymer-based Geotechnical Solutions

Polyurethane Grouting • Compaction Grouting • Pressure Grouting



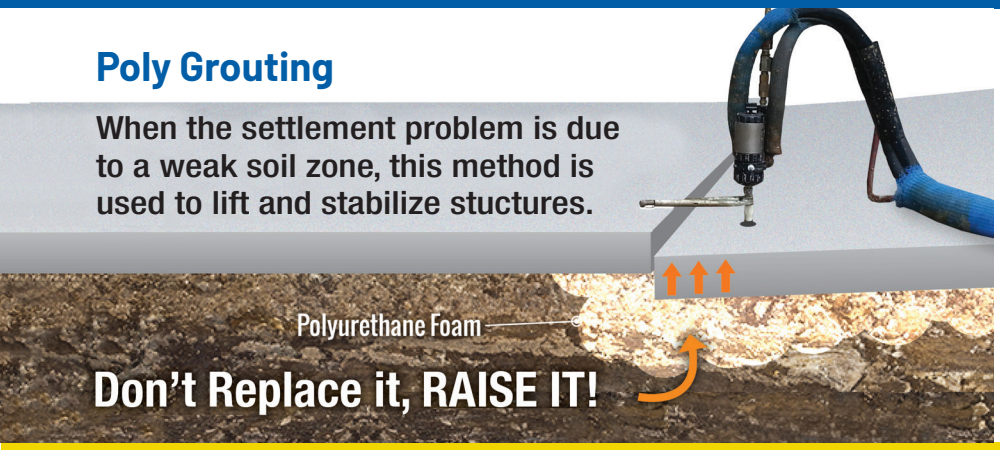




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Poly Grouting

When the settlement problem is due to a weak soil zone, this method is used to lift and stabilize stuctures.



- Public works, roads, streets, highways, bridge approach & departure slabs
- Existing building foundations and concrete structures
- Underground utilities: joint, tunnel and manhole sealing

GEOTECHNICAL ENGINEERING & APPLICATION EXPERTISE

Serving Texas and the surrounding states for more than 35 years, Superior Grouting is the premier provider of polyurethane, compaction and pressure grouting geotechnical solutions for soil stabilization and lifting applications. We have earned the reputation as the "go-to" company for demanding applications where safety, quality, responsiveness and reliability are an absolute necessity.

PUBLIC WORKS

With more than 4.1 million miles of streets and highways, 19 million miles of underground utility lines and more than 16,000 wastewater treatment plants across America, ongoing maintenance is a critical necessity to ensure below-grade stability and above-surface safety are sustained. Superior Grouting works with Federal, State and Local government agencies to provide geotechnical and remedial grouting services, including Polyurethane and Pressure Grouting.

Our pavement lifting, trenchless infrastructure and culvert rehabilitation services are ideal for public works managers, engineers, municipalities and state agencies.

At Superior, our goal is to solve your infrastructure issues by focusing on solutions that resolve issues for the long-term instead of just offering short-term repairs.

We minimize downtime, maximize budgets, and extend the infrastructure lifecycle with innovative no-dig solutions.

We are a solutions-oriented ground-engineering firm with more than three decades of experience restoring pavement and concrete structures. Whether the solution calls for a fast-acting, non-disruptive, and environmentally inert polyurethane injection technique or a cementitious grout injection technique, Superior is your one-call stop.


Large Culvert


Large Culvert


Residential Bridge Approach Slab




Residential Bridge Approach Slab

POLYURETHANE GROUTING

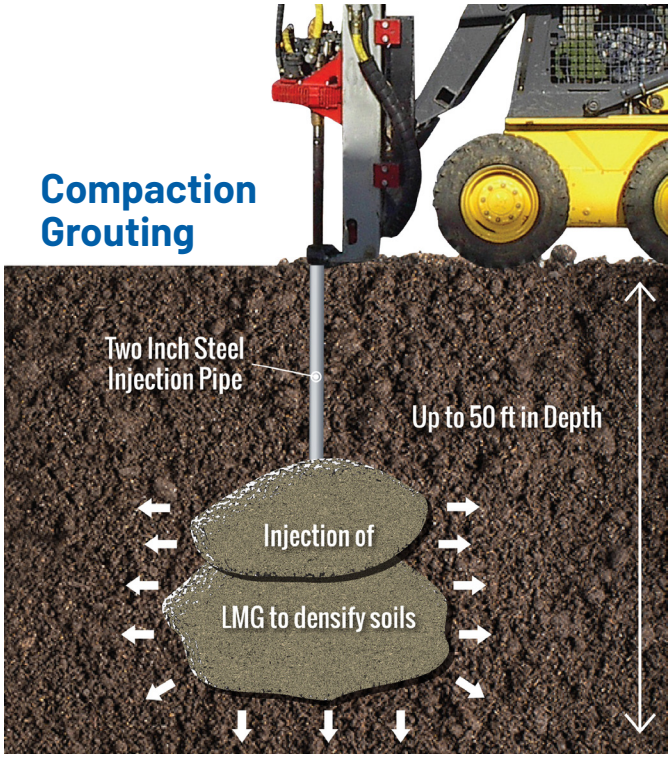
Polyurethane Grouting is a state-of-the-art approach to repairing sinking concrete. PolyLift™ takes the original concept of mudjacking and combines it with modern knowledge and technology. Rather than using a mixture of portland cement and topsoil, this method utilizes high density polymers to raise slabs back to a desired level. This technique consists of drilling small holes (smaller than a dime) in the slab and then injecting structural grade polymers into the void using specially designed equipment. After the void is filled, the expansion of the polyurethane allows for a precise lift and stabilizes the slab.

Common Uses for Polyurethane Grouting

- Eliminate "birdbaths" on streets
- Lift/re-level concrete slabs and structures
- Infrastructure Rehabilitation
- Culvert Rehabilitation
- Stabilize Soils
- Form watertight seals around manholes and sewers
- Waterproofing underground structures
- Stop gushing leaks in underground structures
- Target Grout Injection (TGI)

Benefits of Polyurethane Grouts

- Lightweight
- High-Capacity
- Non-Invasive
- Accurate Lift
- Waterproof
- Fast Cure Time
- 90% density in 15 minutes
- Zero Excavation
- Environmentally Safe



COMPACTION GROUTING

Compaction grouting is a specialized technique for in-situ densification of compactable soft or loose soils. A stiff grout is extruded into a soil mass to form an expanding bulb. Any soil capable of being mechanically compacted can be densified by compaction grouting.

Superior Grouting's equipment, capable of achieving grouting pressures of 2000+ psi, can be operated at distances several hundred feet from the injection site and has the capability of drilling in low overhead tight access work areas.

APPLICATIONS

Compaction grouting is versatile; it lifts, levels, stabilizes, supports, fills, and densifies soil for new construction and existing structures and also reduces machinery vibration.

FOUNDATION SOIL DENSIFICATION & STRENGTHENING

Compaction grouting can provide an answer to the problem of differential settlement of structures. The versatility of the technique makes it the method of choice for soil densification in areas where access to the site with heavy equipment is difficult or where noise is a problem. Grout injection points can be angled to reach areas under a foundation that otherwise could not be reached.

CONTROLLED LIFTING

Compaction grouting is also used effectively for the controlled lifting of foundations, slabs, and other structures. Lifting takes place when the pressure at the bulb exceeds the weight of overburden, structures, and the shear strength of the soil cone above it. At that point, the soil shears, and the grout pressure lifts the soil and the structure built upon it. By the careful use of this technique, entire structures can be lifted and leveled to precise specifications. Unlike other lifting or supporting techniques, compaction grouting supports structures and appurtenances on sound soil foundations.

Typical Applications

- **Building Sites** - Site improvement for structural support and prevention of soil liquefaction
- **Buildings & Structures** - Settlement mitigation, foundation stabilization, controlled lifting
- **Machinery Pads** - Controlled lifting and leveling, stabilization, vibration reduction
- **Tunneling** - Surface settlement prevention, heading stabilization
- **Drilled Piers** - Increased end bearing, lifting of settled piers, skin friction development
- **Pipelines** - Lifting to grade without excavation, restoration of deformed pipes
- **Tiebacks** - Anchor development

VOID FILL PRESSURE GROUTING SERVICES

Void Fill Grouting is typically called for when the roof of a void collapses or a sink hole or depression forms, producing deformation of the ground surface or settlement of the structure above it. The gradual deterioration of the void, usually over a period of years, most often appears as a cone shaped depression or hole at the surface which can result in damage to buildings, utilities and roads.

Common Uses for Void Fill

- Under a concrete slab, building footer, foundation, or structure
- Sanitary and storm sewer pipe breaks
- Water supply or drainage line breaks
- Flood plain areas subject to erosion
- Areas with poorly compacted soils; foundations, abutments, and retaining walls

Benefits of Pressure Grouting Voids

- Versatile
- Fast
- Effective
- Non-Invasive
- Zero Excavation
- Environmentally Safe





MAINTENANCE AGREEMENTS

Save time and money with annual maintenance agreements. Superior Grouting teams up with municipalities to provide a one stop shop for all your street lifting and leveling needs. Whether removing birdbaths on the streets, performing infrastructure rehab, correcting bridge approaches and departure slabs, or filling a sink hole, a Superior Grouting maintenance plan can be tailored to customers' specific needs.

THE SUPERIOR GROUTING ADVANTAGE

- Leader in Geotechnical Remedial Services
- Rapid-Response Customer Service Across Texas
- Pressure – Compaction – Polyurethane Grouting Application Expertise
- Cementitious – Chemical – Cellular – Poly Materials Solutions



SAFETY QUALIFICATIONS

- **EMR RATING (2019) .90 (2020) .89 (2021) .91**
- **Member of the Houston Area Safety Council**
- **TWIC Cards**

COMPLIANCE COMPANIES

ISNetworld **AVETTA**



Who We Are

Superior Grouting is a specialty grouting contractor with capabilities including cellular grouting, slurry grouting, compaction grouting, chemical grouting as well as polyurethane grouting for public works.

Our goal is to provide skilled technical expertise and customized innovative solutions to meet the most complex geotechnical engineering challenges. Our expertise has allowed us to build a loyal customer base in the commercial and government sectors. We aim to provide innovative and efficient solutions for all your specialty grouting needs.

Superior Grouting Services has been in business since 1983. We're based in Houston, Texas, and serve customers on the Texas and Louisiana Gulf Coast, and beyond.

To find out how we can meet your specific requirements, call **281.894.4175** or visit us at **superiorgrouting.com**

SUPERIOR GROUTING

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Est. 1983

18514 Cypress Rosehill Rd.
Cypress, Texas 77429

281.894.4175
sales@superiorgrouting.com
superiorgrouting.com