TEXAS SLAB GUYS

Raising the Standard: Best Practices for Concrete Leveling

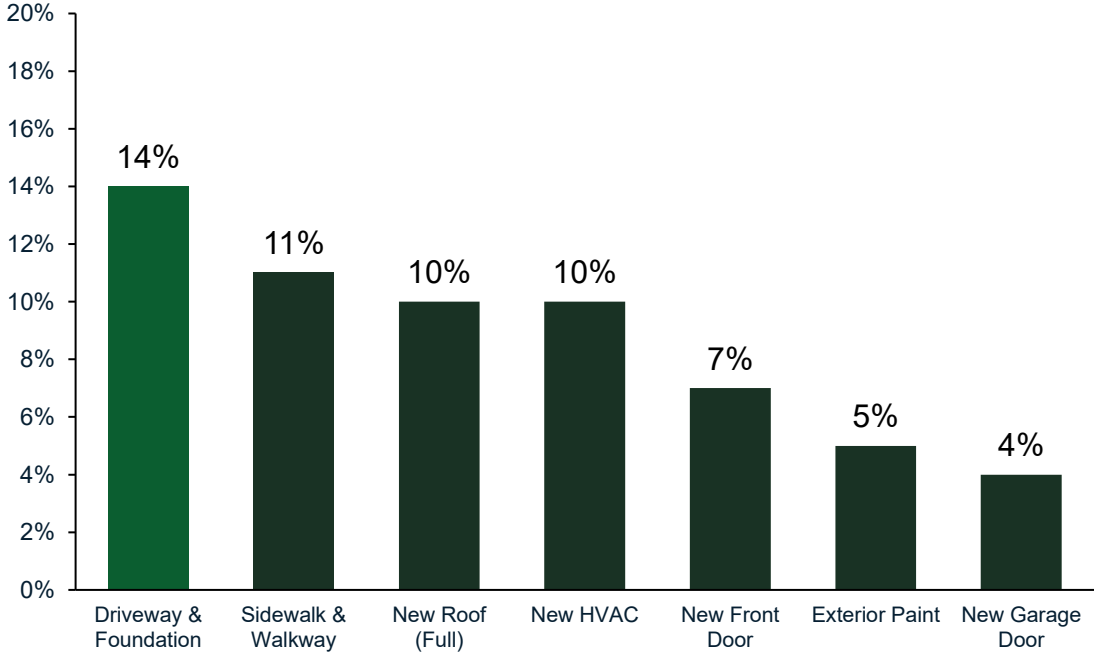


832.990.1891

Return on Investment (ROI)

Compares how major exterior repairs impact home value

Values show impact on home sale price (%), [%]



Key Takeaways

- **Driveway & foundation repairs create the biggest value lift—up to 14% ROI.**
- Walkway leveling achieves a 7–11% ROI from a curb-appeal premium quantified by University of Texas.
- Other exterior upgrades deliver smaller returns, reinforcing concrete repair as a top-ROI improvement.

Sources: University of Texas, University of Texas, Walker Roofing, Saaga HVAC, Clark Hall Doors, Revive Real Estate, Precision Door Services.

Before & Afters

Steps

Before



After



Sidewalk

Before



After



Driveway

Before



After



Why Does Concrete Settle?



Poor Soil Conditions: As soils become saturated with water, the clay expands and loses strength. This condition allows slabs to sink - just like standing in wet mud. This can occur from heavy rains, melting snow or plumbing leaks.



Poor Compaction: Many homes are built on backfilled soils. If the soil is not compacted correctly before construction, backfill will gradually compact unevenly, sometimes over a year, which allows slabs to settle.



Tree Roots: Trees and large shrubs can consume up to 30 gallons of water a day. If located near concrete, the loss of water in the soil will make the soil contract and can cause the slabs to settle.



Poor Drainage: Improper drainage can cause soil instability by creating saturated soils, which allows the slabs to settle. Poor drainage can be typical of an area, or as minor as a misplaced down spout.

Many homeowners make the mistake of waiting until the problem worsens and then end up spending 3-5 times the amount of money to replace, rather than raise their sinking concrete. Until the problem is fixed, your home remains at risk.

What Signs to Look For...

Concrete problems can come out of nowhere after a big rainstorm usually a concrete problem is an underlying issue that happens slowly over time. But will you notice them early enough to fix them before they get serious?

We're here to help alert you to some of the most telling signs you may have a concrete issue in its early stages. We'll also help find a solution before the problem escalates.



Cracks and Crumbling - Since concrete is one of the strongest building materials in the world, any significant wear and tear is cause for concern. Cracks and crumbling could be superficial and simply the sign of a weathering, but it also could indicate a more serious underlying problem: the lack of foundational stability.
If the soil is eroding beneath the slab, cracks and crumbling could only be the beginning of the issue. Sinking and shifting could be next, so make sure you get a full assessment of the slab.



Pooling Water-Pooling water on the concrete isn't good news. It means there is likely sinking or shifting beneath that is causing the concrete to hold precipitation and impede drainage. Since concrete is a porous material, it's best not to have standing water on it for long periods, so raising the slab surface to facilitate drainage might help.



Porches or Patios Pull Away from Foundation-When you see your front stairs or your back patio begin to pull away from the foundation, it's probably not the foundation that's moving — it's the concrete base of your steps or patio. This signifies a lack of support beneath and that the soil has shifted or eroded, so it's imperative to lift
and stabilize the structure before it causes further damage.

It Only Gets Worse, Unless You Take Action - Maybe you noticed a trend — we keep warning against waiting, encouraging you to act right away. That's because sinking concrete doesn't ever get better on its own. If you trust us to make repairs now, you may be able to avoid replacing the structure down the road.

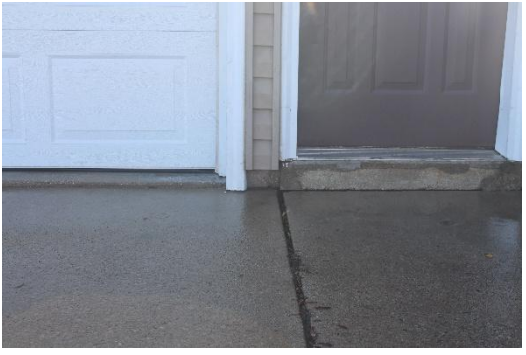
Before & Afters

Patio

Before



After



Walk Way

Before



After



Garage

Before



After



Save Your Sinking Concrete

When we are called to assist a home owner or business owner with a free estimate on whether they should level their concrete, or replace it, they are often happily surprised they can have perfectly aligned concrete again, in a matter of minutes, saving them time and money. That's because when compared to concrete replacement, the process of raising concrete with polyurethane foam is inexpensive (compared to the alternatives), and is exponentially faster than replacing the concrete.

FOAM LIFTS AND LEVELS INSTANTLY



Why Texas Slab Guys?







Safety. Trip hazards can harm you and your family and leaves your property vulnerable to unwanted liability.

Cost. You can raise your concrete for less than half the price of replacing the concrete slab.

Time. Your slab problem will only worsen in time, fix it now and avoid the hassle later. Raising concrete with polyurethane foam often takes a couple of hours and the structure is ready immediately upon completion.

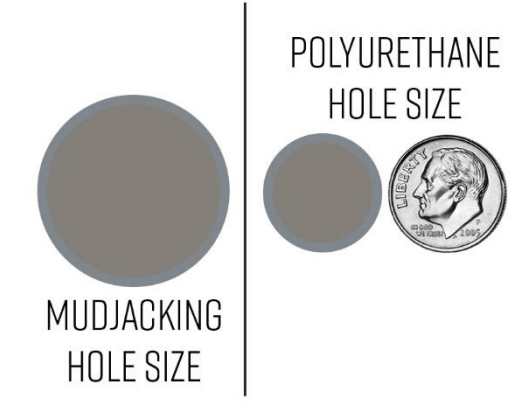
Appearance. Eye sores and additional structural cracks can be the result of unleveled concrete.

Home Value. Trying to sell your home? First appearance is everything to a home buyer.

Structural Damage. When a concrete slab settles, doors and windows begin to stick and structures connected to the slab start to settle and crack.

Water Damage. Water follows the path of least resistance. A settled or sunken driveway may end up costing a homeowner considerable money in foundation repairs over time.

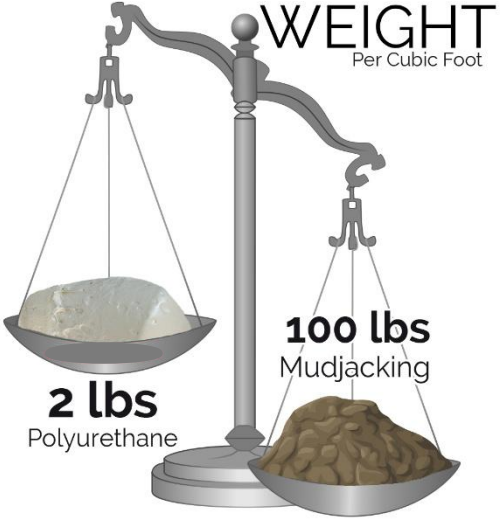
Mudjacking & Polyurethane



Hole Size:

Polyurethane concrete raising drills a nearly invisible 5/8-inch hole and the process calls for considerably fewer holes than traditional mudjacking.

Mudjacking involves drilling a series of 5/8-inch holes in a slab of concrete, so the material can be pumped under the settled slab.



Weight (per cubic foot):

Polyurethane concrete raising uses a foam material that is injected under the slab. When the components of this material are mixed, a reaction causes the material to expand. This expanded foam fills any voids beneath the slab and raises concrete. This material will never lose density, is permanent and weighs only about **2 lbs. Per cubic foot.**

Mudjacking uses a sand-based material that is infused with Portland cement. This slurry is hydraulically pumped under the slab to fill voids and raise the concrete.
Mudjacking material weighs on average **100 lbs per cubic foot.**

Mudjacking & Polyurethane



Benefits of Polyurethane Foam



Cost Effective: concrete raising is typically about half the cost of replacing the same concrete. Ultimately, the cost of raising or stabilizing concrete is a direct reflection of how much leveling material the project will require.



Time: Ready to use immediately! You can drive on, walk on, and play on it the same day!



Clean Work Environment: No concrete or grout splatter and no wash down needed. No heavy equipment will drive through your lawn and disrupt your landscape.



Smaller Holes: Polyurethane concrete raising drills a nearly invisible 5/8 inch hole and the process calls for considerably fewer holes than traditional mudjacking; Minimal patchwork needed.



Lightweight: This material will never lose its density, is permanent and weighs only 2lbs. per cubic foot. Compared to traditional Mudjacking material, which weighs on average of 100lbs per cubic foot.



Green: HMI foam is the top-of-the-line eco friendly material, Every time concrete is raised, we are saving concrete slabs from landfills by raising versus replacing concrete!

What We Raise...

Essentially, we can raise any form of concrete slab. All solid slabs of concrete can be raised and stabilized. Gravel areas, blacktop and pavers sitting in sand can not be raised but the soil underneath can be stabilized with Texas Slab Guys. Slabs of concrete that are badly cracked may be too damaged to lift.

Residential

- Driveways
- Pool Decks
- Walkways
- Garage Floors
- Interior Floors
- Sidewalks

Commercial

- Factory Floors
- Parking Lots
- Interior Slab Raising
- Concrete Void-Filling Services
- Apartment Complexes

Municipal and D.O.T.

- Roads, Streets, Highways
- Bridge Approach
- Curb & Gutter
- Sidewalk Projects



Void Fill



Driveways



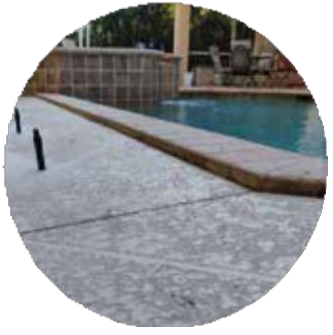
Sidewalks



Porches & Stoops



Interior Floor Slabs



Pool Decks & Patios

Steps to Raising Your Concrete

Most concrete raising jobs will take a few hours —start to finish—and your concrete will be ready for use immediately upon completion!

Step 1) Injection holes are strategically drilled around the areas where the concrete is sunken and requires lifting.

Step 2) Once everything is prepped and the hose and materials are in place; the polyurethane foam is injected through the holes. It expands to fill the space underneath the concrete slab, using the slab itself to drive the foam into the crevices, there by lifting the concrete back to its original position.

Step 3) Once the concrete is stabilized and lifted to the proper protocol, the injection holes are filled with new cement, allowing you to use your surface immediately.

Summary: Polyurethane concrete raising uses a foam material that is injected under the slab. When the components of this material are mixed, a reaction causes the material to expand. This expanded foam fills any voids beneath the slab and raises the concrete. This material will never lose density, is permanent and weighs only about 2 lbs. Per cubic foot.

TEXAS SLAB GUYS





Drill.



Pump.



Patch.



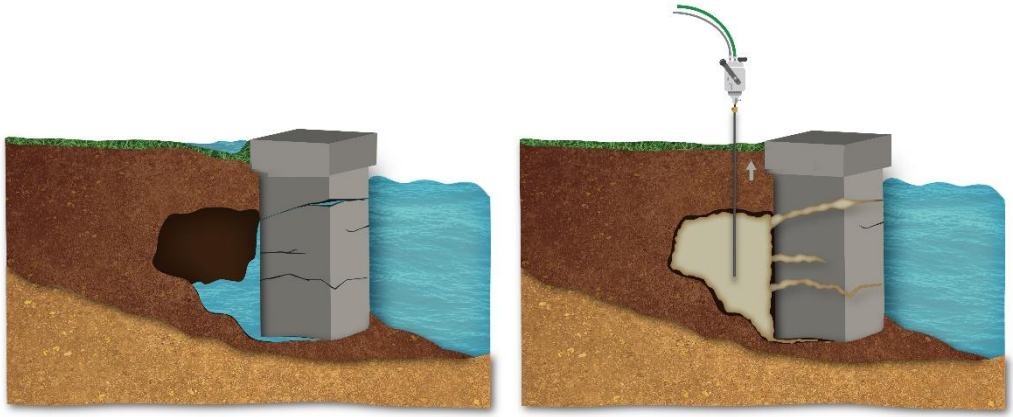
What is Deep Injection?

Considered an upgrade to standard concrete raising, Deep Injection is the process of installing foam deeper to increase the load bearing capacity of the soils.

APPLICATIONS

- Seawall Repair
- Soil Stabilization
- Void Filling
- Commerical/Residential

- An upgrade to sub-surface concrete lifting
- Repair unstable soils
- Installing a stronger foundation to support slabs and structures that settled
- Foam follows the path of least resistance and will fill weak areas
- Fills fissures and ground voids
- Fills voids holding water & displaces collected water
- Increase load bearing capacity of subgrade
- Permanent repair, foam never changes shape or absorbs ground water
- Foam soaks into the weak soils and then expands, binding the soil and making it solid
- Does not leach chemicals into the ground



BEFORE AFTER

We Only Use the Best Foam

HMI is the ONLY company that makes polyurethane foam for concrete raising from recycled material. HMI manufactures an environmentally friendly, dual component polyurethane foam for raising and stabilizing concrete. Our patented materials (U.S. Provisional Patent Application No. 61/583,295) are made from recycled and biobased components, making it the “greenest” polyurethane foam on the market. Available in 2, 4, 5 and 6 lbs. per cubic foot density (free spray). HMI has developed this revolutionary new foam that is setting new standards in polyurethane foam quality. ASTM tested, this recycled material is the best foam available for raising and stabilizing concrete.

Saves our Natural Resources

- Made with Biobased and/or Recycled Material
- Reduces Landfill Waste – compared to ripping out and replacing concrete
- Lasts a Lifetime

Uses Environmentally Friendly Blowing Agents

- VOC Exempt
- US EPA SNAP Listed
- Non-Ozone Depleting
- Low GWP

Non-Toxic and Non-Hazardous

Major toxic chemicals, often associated with some types of polyurethanes, such as formaldehyde and toluene, and VOCs are NOT USED IN HMI FOAMS! Most of what is warned against on the Internet pertains to these chemicals.

- Cured Foam is Fully Inert
- Does Not Leach into Groundwater

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Case Studies



Prestigious Golf Course Study

Challenge

Cart path panels at Black Hawk Golf Club—owned by Escalante Golf, a prestigious management group known for acquiring and holding premier properties for the long term—had settled unevenly, creating gaps of up to **3 inches between sections**. The ride was rough enough that members were routinely steering carts off the path entirely, damaging turf, inhibiting grass growth, and degrading the on-course experience. Full path replacement wasn't warranted. A precise, cost-effective lift was.

Solution

Texas Slab Guys used high-density polyurethane foam injection to raise and re-level 16 panels across four holes, restoring a smooth, continuous ride surface. With 57% of private clubs actively investing to modernize member experience, Texas Slab Guys offered a faster, fraction-of-the-cost alternative—backed by an industry-leading 10-year warranty that gives course management long-term peace of mind.

Summary

Texas Slab Guys delivered a fast, non-invasive solution that restored cart path integrity and elevated the member experience at Black Hawk Golf Club—at a fraction of replacement cost. Work was completed without disrupting a single round of play. No course closures, no detours, no downtime. Members experienced the improvement immediately.

Result:

✓ 16 panels lifted and leveled across
✓ Up to 2.5" of settlement corrected
✓ Carts returned to path — turf protection restored
✓ Completed with no course closures or disruption to play
✓ 10-year warranty included

Before



After



Gymnasium Repair Case Study

Challenge
During gym floor refinishing and bleacher replacement, a 90-ft section of the concrete slab had settled 1.5 inches along the west wall. Removing the wood floor wasn't feasible, so a **non-invasive, precision lifting solution** was needed to restore levelness before the new bleachers were installed.

Solution
Texas Slab Guys used **high-density polyurethane foam injection** to lift and stabilize the slab beneath the wood flooring. Two sets of 1" holes were drilled through the gym floor every 5 feet, and 5/8" holes were made in the concrete below. Over **520 lbs. of foam** expanded beneath the surface, gradually returning the slab to its original elevation.

Before



After



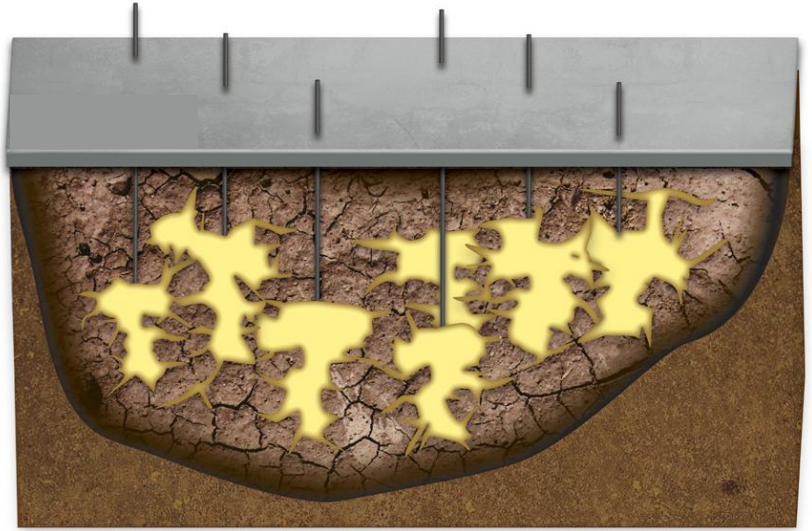
Result:
✓ Work completed in **under 8 hours**
✓ **Immediate return** to service
✓ Floor refinished and patched the same day
✓ **No demolition or floor removal required**
✓ Ready for bleacher installation and school reopening

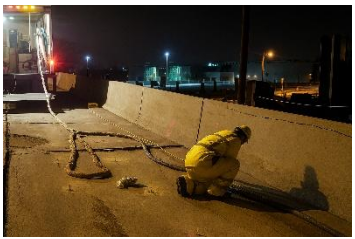
Summary
Texas Slab Guys delivered a fast, clean, and durable solution—restoring the gym floor safely and efficiently before the new school year began.

Highway Stabilization Case Study

Challenge
A roadway contractor identified **voids beneath concrete panels**, causing movement as trucks passed. The state required immediate stabilization within **36 hours**, with all work done **overnight** to prevent traffic disruption.

Solution
Texas Slab Guys used **high-density polyurethane foam** to fill and stabilize the subsurface voids. A **two-man crew** worked overnight, injecting **stabilization foam** to support the panels and lift the shoulder to match the roadway.







Result
✓ Completed in **5½ hours**
✓ **No lane closures** during the day
✓ Road reopened within **15 minutes** of cure time
✓ Permanent stabilization—no replacement needed

Summary
Texas Slab Guys delivered a **fast, durable, and non-invasive** stabilization solution—restoring highway integrity overnight and minimizing public impact.

Galveston Sea Wall Repair

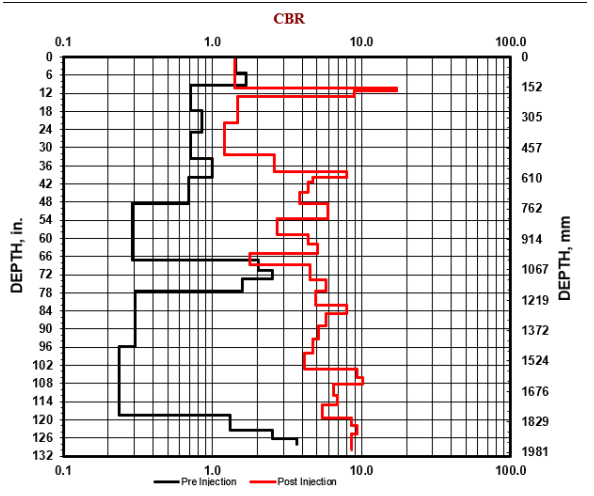
Challenge
A coastal seawall was losing soil through cracks and gaps, causing settlement and instability. Prior fixes with piers failed to stop erosion. Replacing the wall was costly, so a **non-invasive stabilization method** was needed.



Solution
Texas Slab Guys injected **single-component polyurethane foam** behind and beneath the seawall to seal cracks, fill voids, and stabilize loose soils—**no excavation required**. Slow-reacting foam allowed deep penetration without pressure on the wall.







Result
✓ **155 ft of seawall stabilized**
✓ **699% soil strength improvement** (CBR)
✓ **No heavy equipment or disruption**
✓ **Zero environmental impact**

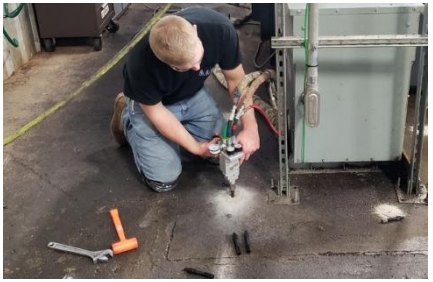
Summary
A fast, clean, and lasting repair that **stopped erosion, strengthened soils, and extended the seawall's life**—proven even under extreme storm conditions.

Industrial Warehouse Repair

Challenge
The customer experienced ongoing **floor movement** that affected heavy machinery performance. Testing revealed a **1-inch void** beneath the concrete slab caused by erosion and poor soil support.



Solution
Texas Slab Guys used **501-grade polyurethane foam** to fill the void and stabilize the foundation—**completed in just 6 hours**. The slow-reacting foam spread evenly beneath the slab, sealing gaps and restoring stability without excavation.





Result
✓ **Full stabilization achieved**
✓ **No production downtime**
✓ **Immediate return to service**
✓ **Avoided costly slab replacement**

Summary
Texas Slab Guys provided a **fast, non-invasive, and cost-effective** repair—restoring structural stability and eliminating future settlement risk.

Void Fill & Pipe Abatement







Challenge
A deteriorating below-grade pipe created **voids and soil loss** around critical mechanical systems, threatening nearby foundations and utilities.

Solution
Texas Slab Guys performed **targeted polyurethane injection** to seal voids, stabilize the surrounding soil, and prevent future washout. The material expanded safely around the pipe, forming a watertight, load-bearing seal.

Result
✓ **Stabilized infrastructure** without removal
✓ **Prevented soil loss and future failures**
✓ **Completed same day** with no service interruption

Summary
Texas Slab Guys provided **non-invasive, rapid, and cost-effective** stabilization—filling underground voids and sealing compromised areas to **extend the life of critical infrastructure.**





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Concrete Leveling Pros
FREE ESTIMATES!
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