



DFW
FOUNDATION REPAIR PROS

— CONNECTING YOU TO LOCAL  FOUNDATION REPAIR EXPERTS —

FOUNDATION REPAIR METHODS

WHAT THEY ARE & WHICH IS RIGHT FOR YOU

Every foundation is different. The right repair method depends on the type of foundation, the cause and severity of the problem, soil conditions, and your long-term goals.

This guide explains the most common foundation repair methods used in the Dallas–Fort Worth area to help you make an informed decision.



PROTECT
Your Home



PRESERVE
Your Investment



PEACE OF MIND
For Years to Come

UNDERSTANDING FOUNDATION PROBLEMS

Why Foundations Fail

Most foundation problems in North Texas are caused by expansive clay soils. These soils expand when wet and shrink when dry, causing the ground to move. This movement can lead to:

- Cracks in walls, brick, and concrete
- Sloping or uneven floors
- Doors and windows that stick
- Gaps around window and door frames
- Structural damage over time



Types of Foundations

The repair method depends on the type of foundation your home has.



SLAB-ON-GRADE

Concrete slab directly on the soil.



PIER & BEAM

Home is elevated with piers or posts supporting the structure.

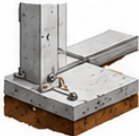


BASEMENT / WALK-OUT

Walls below ground level.

FOUNDATION REPAIR METHODS OVERVIEW

Here are the most common foundation repair methods used in the DFW area. Each addresses specific issues and soil conditions.

METHOD	BEST FOR
 PIERS Stabilizing and lifting foundations that have settled or are settling.	Severe foundation settlement or structural movement
 SLABJACKING / MUDJACKING Lifting and leveling sunken concrete slabs.	Sunken or uneven slabs (driveways, patios, floors)
 POLYURETHANE FOAM INJECTION Lifting and stabilizing concrete with expanding foam.	Voids under slab, lightweight, quick, and less invasive than mudjacking
 UNDERPINNING Strengthening and deepening the foundation to stable soil.	Existing foundations that need additional support or depth
 SOIL STABILIZATION Improving soil conditions to reduce future movement.	Expansive clay soils causing ongoing movement
 DRAINAGE SOLUTIONS Managing water around your home to protect the foundation.	Water intrusion, poor drainage, or standing water issues



PIER SYSTEMS

Piers are driven deep into stable soil or bedrock to support and lift the foundation back to its original position.

TYPES OF PIERS



STEEL PIERS

Strong steel piers pushed to bedrock. Ideal for heavy loads and deep foundations.



HELICAL PIERS

Screw-like steel piers that are twisted into the ground. Great for limited access areas.



PUSH PIERS

Hydraulically driven piers that transfer the load to deeper, stable soil.



BEST FOR:

- ✓ Severe settlement
- ✓ Structurally unsafe conditions
- ✓ Homes with major cracks
- ✓ Pier & beam or slab foundations

BENEFITS:

- ✓ Permanently stabilizes the foundation
- ✓ Lifts and levels the structure
- ✓ Helps prevent future movement
- ✓ Long-lasting solution



SLAB LIFTING METHODS

SLABJACKING / MUDJACKING

A cement-based grout is pumped under the slab to fill voids and lift the concrete.



BEST FOR:

- ✓ Sunken concrete slabs
- ✓ Driveways, patios, sidewalks
- ✓ Garage floors

BENEFITS:

- ✓ Cost-effective
- ✓ Lifts and levels concrete
- ✓ Durable and long-lasting

POLYURETHANE FOAM INJECTION

Expanding polyurethane foam is injected under the slab to lift and stabilize.



BEST FOR:

- ✓ Voids or erosion under slab
- ✓ Lightweight and precise lifting
- ✓ Areas requiring quick results (interior floors)

BENEFITS:

- ✓ Lighter and less invasive
- ✓ Water-resistant
- ✓ Cures quickly – minimal downtime



PRO TIP

Foam injection is ideal for interior slab leveling because it's lighter, creates less mess, and has a faster cure time.



ADDITIONAL SOLUTIONS & HOW TO CHOOSE

UNDERPINNING

Reinforces an existing foundation by extending it deeper to stable soil or bedrock.



SOIL STABILIZATION

Additives are mixed into the soil to reduce shrink-swell potential and improve load-bearing capacity.



DRAINAGE SOLUTIONS

French drains, gutters, downspout extensions, and grading help keep water away from your foundation.



HOW TO CHOOSE THE RIGHT METHOD FOR YOU



GET A PROFESSIONAL INSPECTION

A thorough evaluation identifies the cause and severity of the problem.



UNDERSTAND YOUR OPTIONS

A qualified expert will explain which methods are best for your home.



CONSIDER LONG-TERM RESULTS

Choose a solution that provides lasting stability and protects your investment.



COMPARE ESTIMATES & WARRANTIES

Look at experience, reviews, pricing, and warranty coverage.



A STRONG FOUNDATION STARTS WITH THE RIGHT SOLUTION.

Work with trusted foundation repair experts in DFW to ensure your home is safe, level, and built to last.



WE'RE HERE TO HELP

Connecting you to local foundation repair experts you can trust.



dfwfoundationrepairpros.com