SLIDE RAIL SHORING SYSTEMS
PRO-TEC’s Slide Rail shoring system provides an economical alternative to conventional “tight sheeting” methods. It is ideal for use in poor soil conditions and where soil support is required.

Modular Flexible Design
- Complete system consists of five basic components: corner posts, spreader posts, spreader beams, roller beams, and panels.
- Spreader posts and corner posts are available in single, double, and triple track designs to meet various depth and clearance requirements. Allows a wide range of applications.
Rolling spreader frame keeps posts parallel and allows vertical movement of spreaders for greater access and maximum clearance.

Superior Structural Design
- Extra heavy duty design at key stress points result in long life and durability.
- Spreader post and corner post include reinforced cutting edges and heavy-duty push plates for durability and to facilitate installation.
- Smooth panels reduce friction for easier installation and removal.
- Lift eyes on spreader and corner posts are recessed to provide unobstructed push plates.

Professional Engineer Certified to Meet OSHA Requirements

Single Spreader Post
Single Corner Post

Double Spreader Post
Double Corner Post

Triple Spreader Post
Triple Corner Post
Quick Release Hook
- PRO-TEC’s exclusive quick-release hook is operated from the ground, eliminates the need for climbing ladder to unhook rigging.

Track Cut-outs
- Integral track cut-out design on both corner and spreader posts reduce the height that panels need to be lifted for faster, safer installation. No ladder required.

Machined Hi-strength Steel “T” Locks
- “T” locks on panels are machined from solid hi-strength bar steel. Eliminates welds, reduces friction, provides secure connection at this critical point.

Heavy Duty Roller Beam Wheels
- Large diameter (4-in.) solid steel wheels allow entire spread frame to move up or down for maximum clearance and access. Grease zerk fittings extend life.
Fast, smooth, installation

- Entire system can be installed quickly and cost effectively using a medium sized excavator and a small crew.
- Dig and push system allows low vibration installation, provides soil support for excavations, adjacent structures and existing utilities.
- Slide Rail system is installed from the top down and removed from the bottom up, minimizing size of excavation, soil disturbances, and restoration time and costs.
- During removal process, panels are lifted incrementally as back filling and compaction proceed.

4-sided pit

- After initial excavation, first outer panel and corner post is put into place.
- Second panel and corner post forms a right angle.
- With outer panels and corner posts in position...
- excavation continues...
- while outer panels and corner posts are pushed to proper depth with excavator.
- Excavation is deepened and panels are lowered into inside tracks.
- Excavator continues to dig and push the inside panels and corner posts...
- until desired depth is reached.
- Removal begins by extracting inner panels as back filling and compaction is started.
- Outer panels and corner posts are extracted as back filling and compaction is completed.

Fast, smooth, cost effective
DESIGN PERMITS INSTALLATION OF A WIDE VARIETY OF SHA

Square and rectangular pits

(top) PRO-TEC’s Double Double Slide Rail System was used in this 14-ft. wide, 16 ft. long and 20-ft. deep pit installation in Memphis. The excavation was in poor soil conditions adjacent to streets, and close to buildings and utilities.

(center) A Double Slide Rail System was used in this 12-ft. square X 20-ft. deep pit to install a manhole within a few feet of a mechanical building at a sewage treatment facility.

(bottom) PRO-TEC’s Triple Slide Rail System was needed to solve this deep manhole installation in wet soil conditions. Note four panels were installed on each side of this 16-ft square pit to achieve a vertical height of 28 feet.
Large Boring Pits are being shored more and more frequently using PRO-TEC’s Slide Rail System to increase safety and save time and money. Multiple bays were used here to achieve the required length of 72 feet.

Large precast structures on this job required special vertical clearance. PRO-TEC’s Double Slide Rail Linear System was used with Box Beam Roller Frames to meet requirements.

In this linear application PRO-TEC’s Single Slide Rail System provided a low vibration alternative to sheeting when installing pipe next to a telephone company building housing sensitive computer equipment.
A PRO-TEC Double Track Slide Rail System was used to shore up this large excavation in unstable, high moisture content ground conditions located in a parking lot. The pit measured 43 feet long, 16 feet wide, and 22 feet deep.

Two huge fuel tanks installed at congested O'Hare Airport required a clear-span excavation measuring 50 feet long, 28 feet wide, and 20 feet deep. In this photo, stone backfill material has been installed and lower panels have been raised.

A diesel fuel tank installed in a hospital “Quiet Zone” required the use of PRO-TEC’s Triple Slide Rail System. Its “dig-and-push” method of installation (instead of loud, vibration-driven piling) solved the problem. The pit measured 64 feet long, 17 feet wide, and 24 feet deep.
PRO-TEC’s Triple Track Slide Rail was installed in this huge pit to provide for a cast-in-place concrete foundation and lift station. The excavation measured 46 feet long, 28 feet wide, and 44 feet deep in running sand and was located between a building and the highway.

Cross bracing was used with this Double Slide Rail System to install a lift station adjacent to active railroad tracks. The rolling cross braces were lifted as needed to allow clearance for forming and pouring of the structure.

PRO-TEC’s Utility Panel Guide was used on this job to work around an existing sewer line. The Double Slide Rail System was installed tight against a busy city street.
THE INDUSTRY’S STRONGEST SHORING AND SHIELDING COMES IN ALL SHAPES AND SIZES

We offer the industry’s strongest line of shoring and shielding in all shapes and sizes. Whatever you need, we have a size and type to suit the situation. Or we will design and build shielding tailored to your specific needs.

- ProSeries shields in 4”, 6” and 8” walls
- Manhole shields in 4” single & double wall
- PalSeries shields in 3” single & double wall, and 4” double wall
- ATS Aluminum shields in standard sizes
- ModSeries Modular aluminum panel system shields in standard sizes
- High Clearance Arch
- Aluminum Hydraulic Shores in 11 sizes to 16 feet long
- Heavy Duty Overlap Sheeting
- Stone Saver material container
- Slide Rail shoring system

P.O. Box 130 • 1298 Lipsey Drive
Charlotte, Mi 48813
Phone: (517) 541-0303 or 1-800-292-1225
Fax: (517) 541-0329

www.pro-tecequipment.com