

Custom Shoring Applications



SITE SPECIFIC ENGINEERING ACROSS 50 STATES

We offer site-specific engineering services tailored directly to your jobsite, ensuring that all designs, plans, and recommendations are customized to the unique conditions and requirements of your location. Our team conducts thorough evaluations to address factors such as soil conditions, structural needs, water table, and project goals, delivering practical and compliant solutions that support efficient and successful construction.



SLIDE RAIL SHORING SYSTEMS

Pro-Tec's Slide Rail shoring systems are well known in the industry for design and endless capabilities for sizes. The slide rail system is similar to a trench box panel & includes tabulated data with the rental or sale of the system.

The system can be used for lift stations, manholes, structures, tank installations, boring pits, & many other applications.

We pride ourselves in customer service. If this is your first slide rail system install or you have installed them previously, we will provide a representative to come on-site to your project to help advise your team with the step by step installation to make sure your project runs smoothly.

AUGER BORING SLIDE RAIL SYSTEM

When utilizing Pro-Tec Equipment's Slide Rail Shoring System for boring applications, we can create over 20 ft of clear space in the first bay, to accommodate 20 ft of casing length. Additionally, the system ensures sufficient vertical clearance (typically 6' - 8') and ample space in the second bay for your machine. This setup provides a safe and cost-effective workspace for both you and your crew.



In bore pit applications, the Utility Panel Guide eliminates the concern of material around the casing flowing into the excavation. This pre-engineered solution safely seals off the front end of your pit, enhancing safety and efficiency (pre-engineered up to 20 ft depth.)

LIFT STATION

Lift stations are essential for transporting wastewater over long distances and elevating it to higher terrain. Beyond these primary functions, they offer additional advantages driven by strict regulatory standards in wastewater management. These include ensuring pump capacity matches the quality and volume of incoming water, enabling efficient and low-maintenance operation, and providing reliable, uninterrupted service. Properly designed lift stations also minimize odor emissions, prevent flooding and overflows, reduce environmental impact on surrounding areas, and allow for future capacity expansion to meet growing demand.



BEAM & PLATE SHORING SYSTEM

The Beam & Plate shoring system is a site specific engineered system often used as an alternative for vibratory sheet pile. The limitation in a cantilever design being the depth of soil to support based upon factors that include water table, other nearby structures & soil conditions. In deeper excavations, tie-backs &/or bracing can be utilized to achieve project needs.

Utilizing a non-vibratory method, pilot holes are drilled and beams are set with minimal ground disturbance. Steel plates or wood lagging are then inserted between beams providing lateral support to stabilize the excavation walls.

Uses include Tank installs, linear shoring walls, structures & more. Dependent upon the soil conditions & other factors, our engineers can look at your project to design an engineering plan that will fit your project needs.



FUEL TANK INSTALL



SLIDE RAIL PANEL PULLER

The Pro-Tec Equipment Panel Puller is a 90-Ton Hydraulic Slide Rail Panel Extraction system. Designed to direct connect to an excavator's auxiliary hydraulic system or an external power pack that provides 5,000 psi to enable maximum pulling force, the Panel Puller delivers enough force to extract Slide Rail Panels. This puller helps save on breaking removal cables & minimizes wear & tear on your excavator.



STEEL SHORING PLATES

The steel plates "do" actually have tabulated data on their depth ratings, however the depth the engineering allows is often very limited compared to a trench shield panel or other shoring alternatives.

Steel shoring plates are often used in conjunction with another primary shoring system where engineers would come up with a site specific design. (Beam n Plate Shoring would be a good example)

Call to inquire about additional lengths available



WOOD LAGGING OPTION



STEEL SHEET PILE

Contractor Solutions offers a wide range of different steel sheet pile sizes & lengths. We carry sheet pile in stock for temporary shoring needs or we can work with you to come up with a site specific engineering design for your project.

- Z type interlock sheeting
- Overlap sheeting (flatter profile, no interlock)
- Metric sheeting interlock (5 ga., 7 ga., 8 ga., 10 ga., 12 ga.)
- Black (no coating) or galvanized coating available
- Rental available for sheets up to 35' long
- Call to ask about additional lengths

We also offer...

GUARDRAIL SYSTEMS (TRENCH BOXES & SLIDE RAIL)



POST & SADDLE GUARDRAIL

Guardrail systems are engineered to protect workers from fall hazards and are compatible with trench boxes and slide rail systems to ensure OSHA-compliant safety. Featuring adjustable saddles and contractor-supplied 2" x 4" boards, this lightweight two-piece system (post and saddle) offers flexibility, easy installation, and quick removal to accommodate various shoring configurations and facilitate excavation. We also provide a full range of safety and access solutions, including aluminum guardrail systems, aluminum rescue/retrieval davits with man- and material-rated winches, steel adjustable shoring panel davit mounts, aluminum ladder access fall arrest post kits, equipment storage boxes, and aluminum access/egress telescopic walkways.



ALUMINUM MANBRIDGE

Lightweight 8' and 12' long Aluminum Manbridge with 9" sidewall brackets, work on steel and aluminum trench shields and Slide Rail Panels.

- 190 lbs. total weight for the 8' long Manbridge
- 270 lbs. total weight for the 12' long Manbridge
- 1,200 lbs. load limit
- Call for other sizes or custom order requests

TRENCH BOX LADDER

This OSHA-compliant access system securely hooks over trench shield walls, using the worker's weight for stability. It keeps the ladder off muddy, uneven ground, preventing slips or tilting, and installs quickly without tools.

- Extensions available to add 12", 24", 36", or 48" to ladder
- Fits over trench shields up to 8" in thickness



PRO-BRACE HYDRAULIC FRAME SYSTEM

The Pro-Tec Equipment Pro-Brace Hydraulic Frame dramatically decreases the installation and removal time when compared to traditional cut and weld frame projects. Designed with the ability to use a number of interlocking sheeting types, the Pro-Brace Hydraulic Frame allows end-users to use interlocking sheet pile stock.

- Ideal for projects such as:
- Pump & lift stations
- Bridge footings
- Tank installations
- Linear applications
- Large cast-in-place projects
- And many more



CS-SHORING.COM

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