
Ohio Department of Transportation

Central Office • 1980 West Broad Street • Columbus, OH 43223

Ted Strickland, Governor • Jolene M. Molitoris, Director

Please return quotes for this specification via fax at 614-887-4022, Attention: Purchasing, or via email to contracts.purchasing@dot.state.oh.us. All quotes must be received by close of business (COB), Wednesday, April 14th, 2010.

District 1, Modular Trench Shield Equipment- Quoting Information

General:

Modular trench shield equipment shall, when assembled, provide two, three and four sided OSHA certified trench shoring protection. The wall components for each side and end of the system shall consist of multiple lightweight durable extruded aluminum vertical panels and horizontal frames that, when connected, allow for independent vertical adjustment of any and all side wall panels and end panels from inside a trench. The system, when unassembled, shall be easy to transport and store.

The trench shield equipment shall be in full compliance with all current federal safety laws, OSHA regulations, and requirements for Type "C" soils. The equipment shall allow for 100% above ground installation and removal. Supplier shall furnish a copy of manufacturer's tabulated data certified by a registered professional engineer, which clearly defines product capabilities. Units specified herein shall be specifically designed and engineered to provide excavation safety protection for workers.

The manufacturer shall be required to furnish documented proof of professional expertise and competence in excavation safety product experience and manufacturing for a minimum of 5 years.

Delivery of all equipment, features and accessories specified herein is to be made within 30 days after receipt of purchase order.

The successful bidder under these specifications shall furnish a minimum one year warranty on all parts and labor.

The equipment shall consist of the following biddable components:

- One (1) each:
 - Set of two side walls that are both eight (8) ft. in height and eight (8) ft. long. These walls shall consist of all required vertical panels, horizontal frames and associated hardware and materials necessary to assemble. The wall panels shall also include steel tamping pads and knife edges that can be attached respectively to the top and bottom of the vertical panels.
- One (1) each:
 - Set of two side walls that are both eight (8) ft. in height and ten (10) ft. long. These walls shall consist of all required vertical panels, horizontal frames and associated hardware and materials necessary to assemble. The wall panels shall also include steel

tamping pads and knife edges that can be attached respectively to the top and bottom of the vertical panels.

- Four (4) each:
 - End panel kits that connect to the set of side walls described above. When fully assembled the end panels shall be eight (8) ft. in height and eight (8) ft. in width. Connection to the referenced side walls shall form a three or four sided trench shield system. Each kit shall contain all panels, brackets and other associated hardware and materials necessary to assemble.
- Eight (8) each:
 - Adjustable steel spreader beams to provide structurally adequate lateral support of the system side walls. The length of the adjustable beams shall range from 34 " minimum to 56" maximum.
- Eight (8) each:
 - Adjustable steel spreader beams to provide structurally adequate lateral support of the system side walls. The length of the adjustable beams shall range from 52 " minimum to 88" maximum.
- Two (2) each:
 - Polyester (weather resistant) sling capable of lifting 9600 lbs (working load limit) at 60 degrees, 7800 lbs (working load limit) at 45 degrees and 5300 lbs (working load limit) at 30 degrees. This sling shall be compatible and useable with the specified trench shield systems.
- Complete equipment training which shall include:
 - Thorough breakdown of each piece of equipment being used.
 - Hands on training on how to safely and correctly install the products.
 - A review of the regulations stated in the tab data relating to each piece of equipment.

The following link it to the Standard Terms and Conditions for quotes.

<https://extranet.dot.state.oh.us/groups/purchasing/Guidance/Standard%20Terms%20And%20Conditions.doc>