

Illinois Department of Transportation
Bureau of Bridges and Structures
LIST OF PREQUALIFIED MECHANICALLY STABILIZED EARTH RETAINING WALL SYSTEMS
November 18, 2016

This list supersedes the 01/02/2015 list.

For Mechanically Stabilized Earth Retaining Walls according to Section 522 of the Standard Specifications

For information regarding new System submittals, click the “New Submittal” bookmark to the left.

<p>EarthTec International, LLC 413 Browning Court Purcellville, VA 20132 Date Approved: Sept 29, 2011 Contact Name: David McKittrick Phone Number: 703-771-7305 http://www.earthteccorp.com/</p> <p>Systems: “EarhTrac HA”</p>	<p>Sanders Pre-Cast Concrete Systems Co 6051 South Indianapolis Rd Whitestown, Indiana 46075 Date Approved: Dec 23, 2010 Contact Name: Mark Sanders Phone Number: 800-769-5503 http://www.sanderscompanies.com/</p> <p>Systems: “Sanders MSE Wall”</p>
<p>Shaw Technologies 6101 Long Prairie Road, Suite 744-126 Flower Mound, TX 75028 Date Approved: Contact Name: Larry Shaw Phone Number: 817-247-4301 http://www.shawtechnologies.com/</p> <p>Systems: “Strengthened Soil”</p>	<p>Sine Wall, LLC 1771 Larkin Williams Road Fenton, MO 63026 Date Approved: Sept 17, 2010 Contact Name: Ed Austin Phone Number: 636-349-2231 http://www.sinewall.com</p> <p>Systems: “Sine Wall”</p>
<p>SSL Construction Products 4740 Scotts Valley Dr, Suite E Scotts Valley, Ca 95066 Date Approved: 2006 Contact Name: Andrew Meckler Phone Number: 831-430-9300 http://www.mseplus.com</p> <p>Systems: “MSE Plus”</p>	<p>Vist-A-Wall Systems (Big R Bridge Corp) P.O. Box 1290 Greeley, Colorado, 80632-1290 Date Approved: Contact Name: Jeffrey Stone Phone Number: 800-234-0734 http://www.bigrbridge.com</p> <p>Systems: “Vist-A-Wall”</p>

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<p>Tensar International Corp 2500 Northwinds pkwy, Suite 500 Alpharetta, GA 30009 Date Approved: 2007 Contact Name: Vicky C-Curtis Phone Number: 770-344-2090 http://www.tensarcorp.com</p> <p>Systems: “ARES Wall”</p>	<p>Reinforced Earth Co 1444 North Farnsworth Avenue Suite 505 Aurora, IL 60505 Date Approved: Contact Name: Alex Abraham Phone Number: 630-898-3334 http://www.reinforcedearth.com/</p> <p>Systems: “GeoMega System” “Reinforced Earth” “Retained Earth”</p>
<p>Tricon precast, LLC 15055 Henry Road Houston, TX 77060 Date Approved: Sept 30, 2013 Contact Name: Bryan Jennings Phone Number: 877-387-4266 http://www.triconprecast.com</p> <p>Systems: “Tricon Retained Soil” “Tri-Web Retained Soil”</p>	

Domestic Steel Act Applies:

All iron and steel products, which are to be incorporated into state projects shall be domestically manufactured or produced and fabricated. The Contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements. The application of all coatings, epoxy, galvanizing, painting, etc., to metal products shall be domestically applied.

**Submittal Requirements for
Mechanically Stabilized Earth (MSE) Retaining Wall Systems
Evaluation and Pre-Qualification**
Effective: November 18, 2016

A. Scope

Before an MSE retaining wall system can be used on a Department project, the system shall be reviewed and pre-qualified for general use, and the manufacturer/supplier shall have a producer/supplier number assigned to their facility. The following guidelines are provided to clarify the submittal requirements and expedite the process.

B. Procedure

Companies interested in being considered pre-qualified to supply an MSE retaining wall system as specified in the Standard Specifications Section 522 for Mechanically Stabilized Earth Retaining Walls shall provide two copies of a system review package to the Department for evaluation. As a minimum, the system review package should contain the following:

- Wall System name and company name to be listed on the specification and other contact/address information.
- Any independent evaluation information or other supporting research if available.
- A list of past projects which used your company wall system, including owner's name and phone number.
- Typical shop drawings, notes and plan details shall include:
 - All panel types and details.
 - All soil reinforcement types and details.
 - Connection details for soil reinforcement to the temporary facing, CIP facing or concrete panels.
 - Select Reinforced Backfill Requirements.
 - Any Drainage system requirements.
 - Details for typical leveling pads.
 - Typical concrete coping details and traffic barrier connection details.
 - Typical details of soil reinforcement placement around appurtenances located behind, on top of, or passing through the soil reinforced wall volume.
 - Acute corner panel and reinforcement details.
 - Details for MSE walls supporting abutments founded on spread footings, piles (integral and stub), and drilled shafts.
- Design Standards and Computations: All example computations for the wall design and the soil reinforcement embed/facing connections, shall be sealed by an Illinois Licensed Structural Engineer, and shall be according to the latest AASHTO LRFD Bridge Design Specifications and the Standard Specifications for Mechanically Stabilized Earth Retaining Walls. As a minimum, the following should be addressed:
 - Corrosion reduction calculations or Geosynthetic reductions.
 - Pullout capacity calculations for all soil reinforcement types.
 - If a computer program will be provided as calculations, explanation of how each value is determined must be provided with an example computer printout.
 - Reinforcement max stress calculations.
 - Seismic design.
 - Bearing pressure calculations.
 - All material design strength assumptions.
 - Any design limitations such as maximum wall height, maximum panel size, etc.
- Any test data or research to support the computations and use of specific values.
- All materials specifications.
- A Construction Manual with erection sequence guidance required for proper alignment and wall performance.

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- Any design manuals, case histories, and brochures should be included to provide insight into the system and applications.
- To complete your pre-qualification process the fabrication plant(s) you propose to utilize to supply your precast product needs to be approved by the Bureau of Materials and Physical Research.

Please see the following link:

<http://www.idot.illinois.gov/Assets/uploads/files/Doing-Business/Specialty-Lists/Highways/Materials/Materials-&-Physical-Research/Precast/precastconcreteproducers.pdf>
for approval procedure and a list of plants that are currently approved to do this work (H1 designation).

Two copies of the system review package shall be submitted to:

Illinois Department of Transportation
Bureau of Bridges and Structures
2300 South Dirksen Parkway
Springfield, IL. 62764
Attn: Design Section.

If you have any questions concerning the specification or the requested information, please contact the Policies, Standards and Specifications Unit at 217-782-9109 or 217-785-2914.

C. Recertification

There is no renewal process or reapplication process to stay on this list; however, the Department reserves the right to remove any system based on past performance. In addition, it is the responsibility of the manufacturer/supplier to inform the Department of any changes in design or component information, contact information, etc. If it is discovered that changes have been made without informing the Department, the Department reserves the right, depending on the severity of the omission, to remove that system from the pre-qualified list.

Presence on this list does not exempt the manufacturer/supplier from meeting all the job specific submittal requirements and all the material requirements specified including component testing and/or material certifications as applicable.

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Instructions for Acknowledgement by Company:

The owner, partner, or corporate officer shall complete the following and return a signed and dated copy with the product submittal.

_____ desires to obtain approval of materials to be
(Insert name of company)
supplied to Department of Transportation contractors as more fully described herein. I
and _____ understand that the Department of Transportation
(Insert name of company)
reserves the right in its contracts to approve materials at the source of supply as
provided in Article 106.01 of the Standard Specifications for Road and Bridge
Construction. I and _____ further understand that approval of
(Insert name of company)
company supplied material pursuant to this request does not constitute a contract to
supply material to the State of Illinois or any of its contractors, and that the Department
of Transportation does not assure or guarantee that any materials approved hereunder
will be supplied to the State or any of its contractors. In consideration of approval, I and
_____ agree to the terms, conditions and performance
(Insert name of company)
standards of the Standard Specifications for Road and Bridge Construction.

Type of Company: Individual Partnership Corporation

Company Name _____

Printed Name _____

Signature _____

Title _____

Business Address _____

City/State/Zip Code _____

Email Address _____

Phone Number _____

Date of Signature _____