

Illinois Department of Transportation  
Bureau of Bridges and Structures  
**LIST OF PREQUALIFIED TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL SYSTEMS**  
**January 2, 2015**

**This list supersedes the 08/29/2014 list.**

For Guide Bridge Special Provision (GBSP57) Temporary Mechanically Stabilized Earth Retaining Walls

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

<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 <a href="http://www.sanderscompanies.com/">http://www.sanderscompanies.com/</a></p> <p>Systems: “Sanders Wire Wall System”</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 <a href="http://www.shawtechnologies.com/">http://www.shawtechnologies.com/</a></p> <p>Systems: “Temporary MSE”</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 <a href="http://www.sinewall.com">http://www.sinewall.com</a></p> <p>Systems: “Sine Wall Wire Face System</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 <a href="http://www.mseplus.com">http://www.mseplus.com</a></p> <p>Systems: “MSE Plus Wire Face”</p>
<p>Vist-A-Wall Systems (Big R Bridge Corp) P.O. Box 1290 Greeley, Colorado, 80632-1290 Date Approved: Contact Name: Phone Number: 800-234-0734 <a href="http://www.bigrbridge.com">http://www.bigrbridge.com</a></p> <p>Systems: “Vist-A-Wire Wall”</p>	<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 <a href="http://www.tensarcorp.com">http://www.tensarcorp.com</a></p> <p>Systems: “Tensar Temporary”</p>

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<p>Reinforced Earth Co 1444 North Farnsworth Avenue Suite 505 Aurora, IL 60505 Date Approved: Contact Name: Alex Abraham Phone Number: 630-898-3334 <a href="http://www.reinforcedearth.com/">http://www.reinforcedearth.com/</a></p> <p>Systems: “Terratrel”</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 <a href="http://www.triconprecast.com">http://www.triconprecast.com</a></p> <p>Systems: “Tricon Temporary Wire”</p>
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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  
Temporary Mechanically Stabilized Earth (TMSE) Retaining Wall System  
Evaluation and Pre-Qualification**  
Effective: January 2, 2015

**A. Scope**

Before a TMSE 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 a TMSE retaining wall system as specified in the Guide Bridge Special provision for Temporary Mechanically Stabilized Earth Retaining Walls (GBSP57) 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 including:
  - All facing types and details
  - All soil reinforcement types and details
  - Connection details for soil reinforcement to the temporary facing.
  - Select Reinforced Backfill Requirements.
  - Typical details of soil reinforcement placement around appurtenances located behind, on top of, or passing through the soil reinforced wall volume.
  - Acute corner facing and reinforcement details.
- 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 Guide Bridge Special Provision for Temporary 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.
  - Bearing pressure calculations.
  - All materials design stress assumptions.
  - Any design limitations such as maximum wall height, 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.
- Any design manuals, case histories, and brochures should be included to provide insight into the system and applications.

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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, and 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 \_\_\_\_\_