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.

<table>
<thead>
<tr>
<th>Company</th>
<th>System</th>
<th>Address</th>
<th>Date Approved</th>
<th>Contact Name</th>
<th>Phone Number</th>
<th>Website</th>
</tr>
</thead>
</table>
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<table>
<thead>
<tr>
<th>Tensar International Corp</th>
<th>Reinforced Earth Co</th>
</tr>
</thead>
<tbody>
<tr>
<td>2500 Northwinds pkwy, Suite 500</td>
<td>1444 North Farnsworth Avenue</td>
</tr>
<tr>
<td>Alpharetta, GA 30009</td>
<td>Suite 505</td>
</tr>
<tr>
<td>Date Approved: 2007</td>
<td>Aurora, IL 60505</td>
</tr>
<tr>
<td>Contact Name: Vicky C-Curtis</td>
<td>Date Approved:</td>
</tr>
<tr>
<td>Phone Number: 770-344-2090</td>
<td>Contact Name: Alex Abraham</td>
</tr>
<tr>
<td><a href="http://www.tensarcorp.com">http://www.tensarcorp.com</a></td>
<td>Phone Number: 630-898-3334</td>
</tr>
<tr>
<td>“ARES Wall”</td>
<td>Systems:</td>
</tr>
<tr>
<td></td>
<td>“GeoMega System”</td>
</tr>
<tr>
<td></td>
<td>“Reinforced Earth”</td>
</tr>
<tr>
<td></td>
<td>“Retained Earth”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tricon precast, LLC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15055 Henry Road</td>
<td></td>
</tr>
<tr>
<td>Houston, TX 77060</td>
<td></td>
</tr>
<tr>
<td>Date Approved: Sept 30, 2013</td>
<td></td>
</tr>
<tr>
<td>Contact Name: Bryan Jennings</td>
<td></td>
</tr>
<tr>
<td>Phone Number: 877-387-4266</td>
<td></td>
</tr>
<tr>
<td><a href="http://www.triconprecast.com">http://www.triconprecast.com</a></td>
<td></td>
</tr>
<tr>
<td>Systems:</td>
<td></td>
</tr>
<tr>
<td>“Tricon Retained Soil”</td>
<td></td>
</tr>
<tr>
<td>“Tri-Web Retained Soil”</td>
<td></td>
</tr>
</tbody>
</table>

**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.
Illinois Department of Transportation
Bureau of Bridges and Structures

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.
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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:

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.
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.

_________ (Insert name of company) desires to obtain approval of materials to be supplied to Department of Transportation contractors as more fully described herein. I and ________________ (Insert name of company) understand that the Department of Transportation 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 ________________ (Insert name of company) further understand that approval of 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 ________________ (Insert name of company) agree to the terms, conditions and performance 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 _______________________________________________________________