

Illinois Department of Transportation  
Bureau of Bridges and Structures  
**LIST OF PREQUALIFIED PRECAST MODULAR RETAINING WALL SYSTEMS**  
**July 31, 2018**

**This list supersedes the 10/1/2017 list.**

For Precast Modular Retaining Wall Systems according to Section 522 of the Standard Specifications

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

<p>The Neel Company 8328-D Traford Lane Springfield, VA 22152 Date Approved Contact Name: DJ Hogan Phone Number: 815-768-9948 <a href="http://www.neelco.com">http://www.neelco.com</a></p> <p>Systems: “T-Wall”</p>	<p>United Concrete products, Inc 173 Church Street Yalesville, CT 06492 Date Approved: 1994 Contact Name: Phone Number: 800-234-3119 <a href="http://www.doublewal.com">http://www.doublewal.com</a></p> <p>Systems: “Doublewal”</p>
<p>Stone Strong, LLC 3701 Union Drive, Suite 101 Lincoln, Nebraska 68516 Date Approved: Feb 3, 2006 Contact Name: Phone Number: 1-877-501-5652 <a href="http://www.stonestrong.com">http://www.stonestrong.com</a></p> <p>Systems: “Stone Strong”</p>	<p>ReCon Wall Systems, Inc. 7600 W. 27th Street #229 St. Louis Park, MN 55426 Date Approved: Contact Name: Phone Number: 952-922-0027 <a href="http://reconwalls.com">http://reconwalls.com</a></p> <p>Systems: “Recon Wall System”</p>
<p>Redi-Rock International, LLC US 31 South Charlevoix, MI 49720 Date Approved: Contact Name: Scott Mathie Phone Number: 414-412-7888 <a href="http://www.redi-rock.com">http://www.redi-rock.com</a></p> <p>Systems: “Redi-Rock Wall”</p>	<p>Utility Concrete Products, LLC 2495 W Bungalow Rd Morris, IL 60450 Date Approved: Dec 2015 Contact Name: Thomas Heraty Phone Number: 815-685-3234 <a href="http://www.elevateinfrastructure.com/">http://www.elevateinfrastructure.com/</a></p> <p>Systems: “Precast Concrete Counterfort Wall System”</p>
<p>Earth Wall Products 1349 Old 41 Highway, Suite 135 Marietta, Georgia 30060 Date Approved: 2018 Contact Name: Evan Martin Contact Number: 678-594-3451 <a href="http://www.earthwallproducts.com">http://www.earthwallproducts.com</a></p> <p>Systems: “Gravix Earth Retaining System”</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  
Precast Modular Retaining Wall Systems  
Evaluation and Pre-Qualification**

Effective: November 18, 2016

**A. Scope**

Before a Precast Modular Retaining (PMR) 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 PMR wall system as specified in the Standard Specification Section 522 for Precast Modular Retaining Wall 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 Modular Unit types and details.
  - All soil reinforcement types and details (if applicable).
  - Connection details between precast units.
  - Connection details for soil reinforcement to the precast units (if applicable).
  - Select Reinforced Backfill Requirements (if applicable).
  - Any Drainage system requirements.
  - Details for typical leveling pads (if applicable).
  - 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 (if applicable).
  - Acute corner unit and reinforcement details.
  - Details for PMR 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 unit connections (if applicable), 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 Precast Modular Retaining Wall Systems. As a minimum, the following should be addressed:
  - Corrosion reduction calculations or Geosynthetic reductions (if applicable).
  - Pullout capacity calculations for all soil reinforcement types (if applicable).
  - If a computer program will be provided calculations, explanation of how each value is determined must be provided with an example computer printout.
  - Reinforcement max stress calculations (if applicable).
  - Seismic design.
  - Overturning & eccentricity calculations at each level.
  - Bearing pressure calculations.
  - Any design limitations such as maximum wall height, maximum unit size, etc
- Any test data or research to support the computations and use of specific values.
- Indicate all materials specifications and design stresses.
- 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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- 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.

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 (H3 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 \_\_\_\_\_