

Illinois Department of Transportation  
Bureau of Bridges and Structures  
**LIST OF PREQUALIFIED THREE SIDED PRECAST CONCRETE STRUCTURES**  
**June 25, 2016**

**This list supersedes the 05/16/2016 list.**

For Guide Bridge Special Provision GBSP15 for Three Sided Precast Concrete Structures

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

<p>County Materials Corp. 8 Junction Street Maxwell, Indiana 46154 Date Approved: Contact Name: Steve Smart Phone Number: (317) 697-6918 <a href="http://www.countymaterials.com">http://www.countymaterials.com</a> Systems: <b>HY-SPAN</b></p>	<p>Contech Engineered Solutions LLC 7308 Preston drive Springfield, Illinois 62711 Date Approved: Contact Name: Jeff Majors Phone Number: (217) 801-0300 <a href="http://www.conteches.com/products/bridges-and-structures/precast.aspx">http://www.conteches.com/products/bridges-and-structures/precast.aspx</a> Systems: <b>CONSPAN B-Series</b> <b>BEBO Arch System</b></p>
<p>Tricon Precast 15055 Henry Road Houston, Texas 77060 Date Approved: Contact Name: Gary Fisher Phone Number: (877) 387-4266 <a href="http://www.triconprecast.com">http://www.triconprecast.com</a> Systems: <b>REDI-SPAN Bridge System</b></p>	<p>The Reinforced Earth Company 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/products/10">http://www.reinforcedearth.com/products/10</a> Systems: <b>Techspan</b></p>
<p>Sanders Precast Concrete Systems Inc. 6051 South Indianapolis Rd Whitestown, IN 46075-9527 Date Approved: June 2016 Contact name: Zackary Schlicklin Phone Number: 1-800-769-5503 <a href="http://sanderscompanies.com">http://sanderscompanies.com</a> Systems: <b>Sanders Three-Sided Arch</b> <b>Sanders Three-Sided Flat Top</b></p>	<p>Eco-Span Arch System P.O. Box 751471 Dayton, OH 45475 Date Approved: Contact Name: Jeff Vonhandorf Phone Number: 1-800-241-0925 <a href="http://eco-span.com">http://eco-span.com</a> Systems: <b>Eco-Span Arch System</b></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  
Three Sided precast Concrete Structures  
Evaluation and Pre-Qualification**  
Effective: January 2, 2015

**A. Scope**

Before a three sided precast concrete structure 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 three sided precast concrete structures as specified in the Guide Bridge Special Provision for Three Sided Precast Concrete Structure (GBSP15) 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:

- Three Sided System name and company name to be listed on the specification and other contact/address information.
- A list of past projects which used your company's three sided system, including owner's name and phone number.
- Typical shop drawings, notes and plan details including:
  - The unit configuration and details including shear key or plate connection of units when necessary; also minimum and maximum leg and slab span thicknesses; haunches, etc.
  - The wingwall type, configuration and connection details.
  - Railing connection details.
  - Headwall connection details.
  - Footing connection details.
  - Approach pavement connection and/or support details.
  - Backfill Requirements including minimum fill requirements for construction loads.
  - Any Drainage system requirements.
  - Fabrication and handling details.
  - Form liner capabilities.
- Design Standards and Computations: All example computations shall be sealed by an Illinois Licensed Structural Engineer, and shall be according to the latest IDOT Bridge Manual requirements, Guide Bridge Special Provision, and the AASHTO LRFD Bridge Design Specifications. As a minimum, the following should be addressed:
  - Shear transfer between units.
  - Live load distribution.
  - Resistance factors.
  - Crack control.
  - Deflection.
  - Structural backfill.
  - All material design strength assumptions.
  - Any design limitations such as maximum wall height, span, skew, 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.
- 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 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 (A6 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 \_\_\_\_\_