

Illinois Department of Transportation
Bureau of Bridges and Structures
LIST OF PREQUALIFIED THREE SIDED PRECAST CONCRETE STRUCTURES
May 7, 2018

This list supersedes the 06/25/2016 list.

For Guide Bridge Special Provisions GBSP15 and GBSP90 for Three Sided Precast Concrete Structures

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

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| <p>County Materials Corp. 8 Junction Street Maxwell, Indiana 46154 Date Approved: Contact Name: Steve Smart Phone Number: (317) 697-6918 http://www.countymaterials.com Systems: HY-SPAN</p> | <p>Contech Engineered Solutions LLC 7308 Preston drive Springfield, Illinois 62711 Date Approved: Contact Name: Jeff Majors Phone Number: (217) 801-0300 http://www.conteches.com/products/bridges-and-structures/precast.aspx Systems: CONSPAN B-Series BEBO Arch System</p> |
| <p>Tricon Precast 15055 Henry Road Houston, Texas 77060 Date Approved: Contact Name: Gary Fisher Phone Number: (877) 387-4266 http://www.triconprecast.com Systems: REDI-SPAN Bridge System</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 http://www.reinforcedearth.com/products/10 Systems: Techspan</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 http://sanderscompanies.com Systems: Sanders Three-Sided Arch Sanders Three-Sided Flat Top</p> | <p>Eco-Span Arch System P.O. Box 751471 Dayton, OH 45475 Date Approved: December 2010 Contact Name: Jeff Vonhandorf Phone Number: 1-800-241-0925 http://eco-span.com Systems: Eco-Span Arch System</p> |
| <p>County Materials Corp. 749 West Commercial Ave. Salem, Illinois 62881-0448 Date Approved: April 2018 Contact Name: Rich Cooper Phone Number: (618) 548-1190 http://www.countymaterials.com Systems: ArchCast</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.

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**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 _____