

Three Reasons to Choose Precast Concrete

PRECAST IS EFFICIENT

Accelerated Construction - Precast concrete is one of the fastest building systems available, helping meet tight schedules and opening operations fast. It is typically erected with a crane and a relatively small crew, which allows for construction within a small footprint and minimizes disruption to the surrounding area. It is also manufactured offsite minimizing project site disturbance, while maximizing quality. Precast concrete arrives at the site ready for installation and does not require protection from rain, sun, snow, wind, or extreme temperatures. This saves time and money and reduces the potential for change orders due to winter conditions.

Thermally Efficient – Precast wall systems provide a continuous air barrier (as required by the 2012 IECC), a vapor barrier, and can provide edge-toedge, continuous insulation (meeting ASHRAE 90.1) all in one system.



Reduce Life Cycle Costs – Precast does not rot, rust, degrade in the presence of sunlight or water, or require painting in most applications. Precast systems typically have fewer joints as compared to many other systems, and joint maintenance is simplified, as these are easily inspected and replaced as necessary. When combined with the energy savings, overall life-cycle costs are reduced.

Risk Reduction - Precast concrete construction reduces professional liability risk for design professionals and business risk for owners through its engineering design assist services, reduced detailing and construction trades, and faster erection and fit-out for faster revenues.

PRECAST IS VERSATILE

Aesthetic Versatility – Precast allows designers to create a wide range of aesthetic effects and colors, affordably incorporate historic elements, and integrate a diverse array of façade elements into a single precast panel.

Structural Versatility – Precast concrete is a structural system that enables designers to integrate structural and architectural reducing materials, detailing, costs, construction complexity and more.

Use Versatility - Precast systems allow for easier adaptation of a building's use,



due to its long spans and open floor plates which facilitate functional use changes of a structure. This can be very beneficial as developers need to build out for new tenants.

PRECAST IS RESILIENT

Multi-hazard Protection – Precast inherently provides protection from natural and man-made disasters. Precast does not combust and provides passive fire protection, as well resistance to earthquakes, storms, and external explosions. Precast concrete also inherently provides a high degree of quality and durability including better freeze-thaw durability, scaling, and cracking resistance.

Improved Indoor Environmental

Quality – Precast does not contain VOCs, or provide a food source for mold. Furthermore its thermal mass helps to provide a more uniform temperature inside as structure improving occupant comfort.

Glad Tidings Church Addition

This church addition features architectural precast concrete wall panels to help meet the program requirements. The dominant portion of the façade is a buff colored concrete that has a light sandblast finish and the complementing element is a thin clay brick embedded into the precast concrete, allowing for the character and beauty of masonry to be integral with the added benefits of precast concrete. The design also incorporates vertical bands with a random striated rib pattern to accentuate various areas of the façade. This finish strategy allowed



Architect: Alley Poyner Macchietto Architecture • Structural Engineer: Thompson Dreessen & Dorner, Inc. • Contractor: Vacanti & Randazzo Contractors, Inc. • Owner: Glad Tidings • Location: Omaha, NE

the designers to use a single precast panel to mimic the look of several interfacing materials all while reducing the amount of trades, materials, and detailing necessary.

The plan includes building a 14,000 sq ft addition on

the south side of the existing church building. This addition will include both an upper and lower level to provide the most space as possible. The upper level of the addition will be a 300-seat auditorium designed for kids' church, but flexible enough for other ministry as needed. This 7,000 square foot room will include a large stage area capable of serving a full worship band, puppet stage, drama skits, and backstage area for props and storage. The lower level of the new addition will include 8 new classrooms for preschool age children specifically designed to meet their spiritual and physical needs including conveniently located restrooms. Both the upper and lower levels will include secure, convenient kids "check in/out" capabilities.

www.coreslab.com

Bloomington Central Station – Hyatt Regency

Hyatt Regency Bloomington Central Station is an 8-story, 303 room hotel located on this mixed-use development site. The hotel features 17,000 square feet of meeting and pre-function space, including an 8,250 square-foot ballroom. The hotel also includes a three-meal restaurant, a bar and lounge, an indoor pool, a fitness center, a market and coffee shop, and business center.

The new Hyatt Regency hotel is the next in a series of transit-oriented projects located at Bloomington Central Station, a 50-acre redevelopment site on the METRO Blue (Hiawatha) Line in Bloomington, MN.

The project broke ground in fall of 2014 and opened in Feb. 2016.

Precast concrete systems were used on both facades to create a unified vision that would also meet the client's cost, schedule, and durability requirements. The new building features a white, acid-etched precast concrete facade that matches the hotel, 487 precast pieces were used on the project including insulated wall panels and architectural cladding. "Hyatt Regency Bloomington Central Station is a key part of the city's vision for the Bloomington South Loop District," said Bloomington Mayor Gene Winstead. "Bloomington Central Station is a wonderful model for the potential of transitoriented development, and we're proud to be the site of such a unique redevelopment effort."

The full-service hotel will serve as the center point of the growing work-liveconnect-play community currently anchored by the HealthPartners corporate office campus, Reflections Condominiums, and a two-acre central park. It will cater primarily to business travelers. Positioned between the Minneapolis-St. Paul International Airport and the Mall of America, it will offer convenient and fast access to both of these destinations, as well as to downtown Minneapolis, via light rail.



www.wellsconcrete.com



General Contractor: McGough Construction • Architect: Elness Swanson Graham Arch. • Engineer: Paulson & Clark Engineering, Inc. • Location: Bloomington, MN

Ralph L. Carr Colorado Judicial Center

The neoclassical Ralph L. Carr Colorado Judicial Center anchors the south side of a local metropolitan district and is a cornerstone of the district's master plan. The stately location complements other dignified civic and cultural structures that occupy the district, including the State Capitol, Art Museum and Public Library.

While the previous court building lasted 33 years, the Judicial Center was designed and constructed to endure a 100-year plus lifespan. Built to support a more efficient state judicial system, the 695,707 square foot complex consolidates seven judicial and legal agencies that previously leased office space in ten different metropolitan locations. The 12-story office tower houses judicial and legal agencies, while the courthouse is home to the Colorado Supreme Court and Court of Appeals.

One of the primary selling features for a precast system was the aggressive construction schedule and getting the building enclosed. Precast was a cost efficient solution due to the repetition of the shapes within the panels. Additionally, precast provided the strength and durability for the 100-year plus lifespan.

Coupled with the beautiful character of the building design, the performance of the precast is very efficient. With the use of a sprayed polyurethane foam product on the inside surface, the thermal, air and water barriers are more easily achieved, constructed and verified.

Gage Brothers was selected to join the project team very early in the design process. The architects, construction manager, owner, and Gage Brothers worked as a team to establish an efficient design to meet the challenges of cost and schedule.

Project Details

- Precast erection included up to four crews simultaneously on the job site over a four month period
- Project cost: \$258 million
- Office: 863 pieces; 137,500 sq. ft.
- Courthouse: 328 pieces; 44,500 sq. ft. stone cladding
- Total: 1,191 pieces; 182,000 sq. ft.
- Office: (78) trim pieces
- (200) 14-foot X 30-foot panels; 84,000 sq. ft.
- (125) clad in stone; 12,000 sq. ft.
- (450) misc. precast cladding pieces; 41,500 sq. ft.
- Courthouse (328) all clad in stone; 44,500 sq. ft.
- Project Completion Date: December 2012

Additional Details

- Aesthetic versatility: Stone cladding on court building and the first and second floors of the office building – sand blasted precast above to match – 4" offsets in face with recessed windows.
- Structural versatility: The precast in the courts building is self-supporting.
- Increase open space of floor plate: The precast in the office building curved screen wall at level 13 did reduce the number of columns.
- Minimized construction site disturbance: The project filled the entire block.
 The strategy implemented included staging offsite and delivering panels to the site for installation.
- Accelerated construction: Precast was the only way to enclose the building in order to meet the aggressive construction schedule.

- Improved thermal performance/ reducing energy consumption: The precast panels, together with the SPF (spray poly foam thermal layer) achieve optimal energy performance very efficiently. The precast makes the entire system consistent. The project has also achieved LEED Gold.
- Reduced long-term life-cycle costs: The precast is a very efficient and low maintenance system.
 Precast was selected because of lower initial cost but also because it reduces the long-term maintenance costs for the Owner.
- Increased service life/durability: The project was designed with a 100 year or more life span and precast helps achieves this goal.
- Storm resistance: The very durable precast used on the project will resist storms and wear better over the course of many years of storms than most all other systems.
- Improved blast resistance/Improved safety and security to occupants: Though the building is not designed for actual blast events, the Owner relies on the visual durability and solid natural presence of the material as a deterrent to threats.
- Contributed to improved IEQ: The project achieved a rapid enclosure due to the precast which allowed for earlier installation of other work.



www.gagebrothers.com



Architects: Fentress Architects • Engineer: Martin/Martin, Inc. • Contractor: Mortenson Construction • Precast: Gage Brothers • Location: Denver, Colorado • Photo credit: Steve Maylone, Maylone photography of architecture

Learn & Earn Half Day Seminars Learn precast and earn continuing education credits!



Lateral Loads and Precast Concrete Design - Part II. This half-day seminar is dedicated to the design of precast and prestressed concrete buildings for lateral loads generated by wind and earthquake ground motion provisions. The seminar provides an overview of lateral force resisting systems for precast and prestressed concrete structures. The seminar includes the calculation of member forces for a typical five-story office building located in the Midwest. Design procedures and calculations for typical members in the building are presented.



Lateral Loads and Precast Concrete Design – Part I. This half-day seminar is dedicated to the design of precast and prestressed concrete buildings for lateral loads generated by wind and earthquake ground motions. The seminar provides an overview of lateral load determination for precast concrete buildings, including both architectural and structural precast concrete. The seminar includes a brief history of wind and seismic lateral loads in building codes in the United States in conformance with IBC 2009, ASCE 7-05, and ACI 318-08. Numerical examples are presented for a typical fivestory office building located in the Midwest.



Total Precast Concrete Design. Learn the advantages of a total precast building system during this half-day seminar. Strategies such as increased efficiency and shorter construction schedules of "dual use" structural and exterior cladding systems will be presented, as well as guidelines for the design and detailing of architecturally finished exterior walls, concrete tees, hollowcore plank, and precast concrete stairs. Integration of HVAC systems, building code requirements, and total precast's potential contribution toward LEED certification will also be discussed.



Designing Precast Concrete Parking Structures. Learn how to design and detail precast concrete parking structures during this half-day seminar. Advantages such as decreased construction time, efficiencies of combining a variety of exterior finishes with exposed structural members, and precast concrete's potential contribution toward LEED certification will be discussed. Integration of HVAC systems, building code requirements, long-term durability, ramp and vehicle circulation types, safety, and maintenance issues will also be presented.

Continuing education credits are available for these presentations. All Half Day Seminars are 3.5 hours long and are approved for AIA HSW 3.5 LU. A certificate for 3.5 PDH is also available. Contact PCI Midwest at 952-806-9997 or e-mail mike@pcimidwest.org for more information on how you can participate.

About PCI Midwest

PCI Midwest serves Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota and Western Wisconsin. Formerly the Midwest Precast Association, the organization was first incorporated in 2003. Its mission is to promote the use of precast/ prestressed concrete, to further educate the construction industry about precast/prestressed concrete, and to expand and nurture relationships between industry-related individuals and companies.

PCI Midwest Officers

Chairman: John Saccoman, Molin Concrete Products Co. *Vice Chairman*: Adam Petersen, PDM Precast, Inc. *Treasurer*: Gregg Jacobson, Wells Concrete *Secretary*: John Arehart, Enterprise Precast Concrete, Inc. *At Large North*: Robb Walrath, Gage Brothers Concrete Products, Inc. *At Large South*: Randy Schultz, Concrete Industries, Inc.

Contact PCI Midwest

PCI Midwest PO Box 386324 - Bloomington, MN 55438 www.pcimidwest.org 952-806-9997 (Phone) 952-806-9998 (Fax)

Mike Johnsrud, President and Executive Director mike@pcimidwest.org 612-760-6101 (Cell)

Margaret Mills, Administrative Assistant margaret@pcimidwest.org 651-423-4737 (Office)

Learn & Earn Box Lunches

PCI Midwest provides continuing education programs on a variety of topics. These programs are easily tailored to conference room or classroom lunch programs. Architects and engineers can learn about precast concrete hollow-core floors and walls, architectural precast concrete, precast parking structures, glass fiber reinforced concrete, high performance precast concrete and much, much more. Contact mike@pcimidwest.org to request a program for you or your company.

The following programs are prepared and ready for presentation. Please allow a minimum of two- to three-weeks from the date of your submission to the date of your requested presentation.

Discover High Performance Precast (Credits: 1.0) Recent code changes, increasing sustainability requirements, and a challenging economy are just some of the factors increasing demand for high-performance structures. However, high performance is not business-as-usual. The concept of 'highperformance' encompasses sustainability; however, it goes beyond a 'this-or-that' approach by requiring optimization of all relevant attributes for a project on a life cycle basis. This presentation will explain what high performance structures are, and how precast concrete can help you achieve your high performance project goals. The presentation also covers the basics of precast concrete, its applications, finishes, etc.

Artist's Palette: The Aesthetic Versatility of Precast

Concrete (Credits: 1.0) The aesthetics of a structure are very important, as it is what most people identify with. High performance materials should provide aesthetic versatility in order to efficiently meet a structure's architectural requirements. Precast concrete provides incredible aesthetic versatility from providing multiple colors and textures, to developing shapes, forms and very ornate details. Precast can also simulate or be veneered with natural materials providing all of their beauty, but with the added speed, durability, many other benefits of precast. This presentation will provide an overview of the many finishes available with precast concrete, along with methodologies for achieving them. We will also discuss combining multiple finishes into single panels, veneers and embedded materials, selection of mix designs, approaches to achieving colors, proper specification, and procedures to ensure expectations are aligned.



High Performance Precast Concrete Envelope Systems

(Credits: 1.0) A structure's envelope has considerable impact on its overall performance, as highlighted by recent code changes. The envelope not only serves as a barrier between the outside environment and conditioned space, but also as a part of the aesthetic expression for the structure. It must also serve as a protective shield against environmental forces. High-performance building envelopes can help reduce the overall energy consumption of a structure throughout the structure's life, and maintain and protect its interior environment and occupants. This presentation addresses what high performance building envelopes are, as well as key elements to their performance. It will discuss how to use precast concrete wall systems to meet the latest code requirements such as continuous insulation and air barriers, and include topics such as moisture management, thermal mass effect and how to calculate effective R-values, integration with other building systems, and more. This session will also touch on the idea of resilience. A structure must be able to resist environmental forces, such as high winds and earthquakes in order to protect life and fulfill its intended purpose. Case studies are used to highlight information presented.

Designing Precast Concrete School Buildings (Credits: 1.0) After attending this presentation, participants will be able to: Discuss how different Precast/Prestressed components are used in school designs Use the aesthetic features of precast to create structures to meet the unique needs of schools Understand the Precast design process

Designing with Precast/Prestressed Hollow-Core Concrete

(Credits: 1.0) This course instructs participants about hollowcore products and how to design and build utilizing hollowcore floors and walls. Participants also learn about the inherent fire resistance of hollow-core, a major life-safety consideration. After this program, participants will be able to: Identify the different precast, prestressed hollow-core concrete systems Explain the benefits of using precast, prestressed hollow-core concrete Discuss the benefits of using hollow-core concrete with owners and other designers.

Parking Garage Design and Construction (Credits: 1.0) In this course, participants are instructed in improving security and lighting in parking structures and the inherent safety issues. They are also instructed in architectural treatment options for

facades which can make garages more aesthetically pleasing. Participants will also discuss ways to avoid parking structure leakage. From this course, they will be able to use a construction procedure to avoid this leakage.

Precast Housing Structures (Credits: 1.0) In this program, participants will discuss precast, prestressed concrete in the housing market. Precast, prestressed concrete provides long clear spans, shallow cross sections, high load capacities, high durability, compatibility with block, steel and cast-in-place concrete, and attractive appearance. Also learn how owners and residents benefit from low maintenance, two- or four-hour fire ratings, lower fire insurance rates, and strong acoustical control. After this program, participants will be able to: Identify the different precast concrete systems used in housing Explain the benefits of using precast concrete in housing structures Utilize precast concrete structures to benefit clients with fire suppression and environmental issues.

Precast Industrial Structures Design & Construction

(Credits: 1.0) Box lunch attendees will learn the key benefits of precast, prestressed components and see the advantages of an integrated design approach.

Precast Stadiums Design & Construction (Credits: 1.0) Box lunch attendees will learn how working with your precast, prestressed specialist at the earliest stages of design can mean a winning combination of advantages for your next stadium. These include flexibility of design, including long spans; high quality of manufactured products; versatility; high-performance, durable materials; and speed of construction because precast components can be erected quickly once they arrive at the site. After attending this program, participants will be able to: ldentify the different precast, prestressed concrete systems used in stadium designs Explain the benefits of using precast, prestressed concrete in stadiums Discuss the benefits of PCIcertified precast producers

Precast/Prestressed Concrete 101 (Credits: 1.50) Participants will explore building design solutions using precast and prestressed concrete products. They will learn what precast, prestressed concrete products are, how they are manufactured, including structural theory of prestressing, and quality assurance procedures. They will learn about the industry certification program (PCI) of plants, people and performance. Participants will explore numerous examples of architectural and structural concrete solutions for numerous building markets. They will explore a variety of architectural finishes and how each is created in terms of color, form and texture. They will explore common structural solutions using prestressed concrete products and explore integrated solutions; realizing the full potential of loadbearing architectural precast units. The session will end with an overview of industry support available to the design community, including published and electronic media and a question and answer session.

Precast/Prestressed Plant Tour (Credits: 2.0) Attendees will observe firsthand how designs and engineering



details are executed in the precast manufacturing process. They will also observe the entire precast and prestressed manufacturing process from engineering and connections, forms set-up, casting and finishing. Attendees will gain a better understanding of precast and prestressed capabilities and related quality issues. Attendees will learn how precast fits within the entire building system and how to specify precast concrete accurately and safely.

Sustainable Building Design Using Precast Concrete

(Credits: 1.0 After this presentation, participants will understand the following concepts: (1) The key to sustainable building lies in long-life, adaptable, low-energy design. (2) The earth's resources are best conserved if the service life of a building is prolonged. (3) Using precast concrete in buildings conserves energy and resources during and after construction because of the following characteristics of precast concrete: (a) The materials used in precast buildings are natural, renewable, and locally available. (b) Water and materials used in precast buildings are often recyclable and recycled. (c) Indoor and outdoor air quality are improved in precast buildings because less (or no) VOCbased preservatives and paints are required, and because of the thermal mass qualities of precast concrete.

Total Precast Structures (Credits: 1.0) After this program, participants will be more familiar with what a total precast concrete structure is, how a total percast structure can benefit a project, and what components are used to construct a total precast structure. Participants will also learn how to manage a successful project.

Architectural Precast Production & Application

(Credits: 1.0) In this program, students will learn about the practical application of a wide variety of architectural precast solutions. The discussion will include design choices and cost considerations.

Associate Members

Architectural Polymers, Inc.,

1220 Little Gap Road Palmerton, PA 18071 610-824-3322 www.apformliner.com Marshall Walters marshall@apformliner.com

Ash Grove Cement

Dave Suchorski 913-205-8146 dave.suchorski@ashgrove.com

Beton-Stahl, Inc.

2003 O'Neil Rd Hudson, WI 54016 715-808-0213 www.beton-stahl.com Corey Leith info@beton-stahl.com

Bob's Sparkle Wash

1135 114th Lane NW Coon Rapids, MN 55448 www.sparklewashcmn.com Rep: Bob Walters 612-325-1125 Rep: Scott Walters 612-328-5797 Rep: Mark Joslyn 612-290-7109

Cheesebrough Brokerage Inc.

448 Lilac Street Lino Lakes, MN 55014 Rep: Patrick Cheesebrough 651-717-6060

Carl Harris Co, Inc

1245 S Santa Fe Wichita, KS 67211 Phone: 316-267-8700 Contact: Carl Harris

The Consulting Engineers Group, Inc.

16302 Pleasantville Rd, Suite 100 San Antonio, TX 78233 www.cegengineers.com Rep: Larbi Sennour, PhD, PE, SE 210-637-0977 ext. 225

Continental Cement

www.continentalcement.com Contact: Brett Heinlein: 563-344-4488 Contact: Dave Meyer: 612-889-5236

Dynamic Color Solutions

2024 S. Lenox Street Milwaukee, WI 53207 www.dynamiccolorsolutions.com 414-769-2585

e.Construct.USA, LLC

11823 Arbor Street, Suite 200 Omaha, NE 68144 www.econstruct.us 402-884-9998

Elematic

19745 Sommer Drive Brookfield, WI 53045 www.elematic.com 262-798-9777

Endicott Thin Brick & Tile LLC

PO Box 645 Fairbury, NE 68352 www.endicott.com Rep: Dean Schmidt 402-729-3315 Rep: Dalton Holtzen 402-729-3315

Fister Quarries Group

1150 Lyon Road Batavia, IL 60510 www.fisterguarries.com 800-542-7393

Fitzgerald Formliners

1500 E Chestnut Ave, Santa Ana, CA 92701 www.formliners.com Edward Fitzgerald 714-547-6710

GCC of America

600 S Cherry St. #1000 Glendale, CO 80246 www.gccusa.com

GRT Admixtures

2978 Center Court, Eagan, MN 55121 www.grtinc.com 651-454-4151 Travis Collins: Travis@grtinc.com

Hamilton Form Company

7009 Midway Fort Worth, TX 76118 www.hamiltonform.com 817-590-2111 sales@hamiltonform.com

Helser Industries

10750 SW Tualatin Road, PO Box 1569, Tualatin, OR 97062 503-692-6909

ICONX LLC

5525 Kaw Dr Kansas City, KS 66102 www.iconxusa.com Phone: 913-208-4272 Contact: Joel Foderberg

Insteel Wire Products

1373 Boggs Dr Mt. Airy, NC 27030 www.insteel.com 800-334-9504 Rep: Randy Plitt rplitt@insteel.com

Iowa Steel & Wire Company

1500 W Van Buren, PO Box 156, Centerville, IA 52544 www.okbrandwire.com 800-325-5118

JVI Inc.

169 N Hampshire Elmhurst, IL 60126 www.jvi-inc.com

Landwehr Construction PO Box 1086

St. Cloud, MN 56302 www.landwehrconstruction.com 800-446-1284 Rep: Paul Nelson 507-380-9423

Lehigh Cement

12300 Dupont Avenue South Burnsville, MN 55337 www.lehighcement.com Rep: Dave Grausam

Masonry & Precast Specialty

Services 726 N Frontier Rd Papillion, NE 68046 www.masonrvprecast.com 402-306-6004 Craig Christensen

METROBRICK

1201 Millerton Street SE Canton, OH 44707 www.metrothinbrick.com Rep: Dianne Young 888-325-3945

Mixer Systems Inc.

190 Simmons Ave, Pewaukee, WI 53072 www.mixersystems.com Stephen Nelson 262-691-3100 steven@mixersystems.com

Nox-Crete Products Group

1444 S 20th St, Omaha, NE 68108 www.nox-crete.com Jeff Bishop 402-401-0506 jbishop@nox-crete.com

Shuttlelift

49 E Yew Street Sturgeon Bay, WI 54235 www.shuttlelift.com 920-743-8650

Sika Corporation

1515 Titanium Drive Ottawa, IL 61350 www.usa.sika.com Andy Pearson 920-655-7600 pearson.andy@us.sika.com

Splice Sleeve North

38777 W Six Mile Rd #205 Livonia, MI 48152 www.splicesleeve.com 877-880-3230

Standley Batch Systems, Inc.

Cape Giradeau, MO 653702-0800 www.standleybatch.com

Structural Engineering Associates, Inc.

1000 Walnut, Suite 1570 Kansas City, MO 64106 www.seassociates.com 816-421-1042 Main Contact: Kelley Gipple

Sumiden Wire Products Corp.

710 Marshall Stuart Drive, Dickson, TN 37055 www.sumidenwire.com Matt Speedy 614-537-5988

Thermomass

1000 Technology Drive, Boone, IA 50036 www.thermomass.com 800-232-1748 Rep: Brad Nesset

THiN-Wall

210 N. 13th Street Seward, NE 68434 www.thin-wall.com 800-869-0359

Topping Out, Inc.

5910 S 27th Street, Omaha, NE 68107 www.daviserection.com 402-731-7484

US Formliner

370 Commerce Blvd, Athens, GA 30606 www.usformliner.com Ray Clark 706-549-6787

WR Grace Co

Dan Beskar 952-905-0085 daniel.a.beskar@grace.com

America, Inc.

Rep: Toshi Yamanishi PO Box 800.

Producer Members

Key:	ural Precast	ural Trim	olumns	sle		ore Slabs	ss	ees	Seats	Cells	lls		ams/Slabs	Girders
Structural Bridge – Transportation	Architect	Architect	Beams/Co	Wall Pane	Poles	Hollow-co	Single Tee	Double To	Stadium :	Modular	Soundwa	Piles	Boxed Be	I Beams/C
Advanced Precast Co. (Mike Decker) Farley, IA, 563-744-3909 • www.advancedprecastcompany.com	•			•										
Concrete Industries, Inc. (Randy Schultz) Lincoln, NE, 402-434-1800 • www.concreteindustries.com			•	•		•		•	•			•		•
Coreslab Structures (Kansas) Inc. (Mark Simpson) Kansas City, KS, 913-287-5725 • www.coreslab.com											•	•	•	•
Coreslab Structures (Missouri) Inc. (Michael Saint) Marshall, MO, 660-886-3306 • www.coreslab.com	•		•	•			•	•	•				•	•
Coreslab Structures (Omaha) Inc. (Todd Culp) Bellevue, NE, 402-291-0733 • www.coreslab.com	•	•	•	•				•	•	•	•	•	•	•
County Materials Corp. Roberts, WI (Steve Hoesing, 800–289–2569) • Bonne Terre, MO (Scott Boma, 573–358–2773) • www.countymaterials.com	•	•	•	•		•			•	•	•	•	•	•
Crest Precast Concrete, Inc. (Gary Mader) La Crescent, MN, 507-895-2342 • www.crestprecastconcrete.com	•	•		•							•		•	
Cretex Concrete Products, Inc. (Joel Mich) Maple Grove, MN, 763-545-7473 • www.cretexconcreteproducts.com					•						•	•	•	•
Enterprise Precast Concrete, Inc. Omaha, NE (Shawn Wentworth) 402.895.3848 • Overland Park, KS (Dirk Mc- Clure) 913-312-5616 • www.enterpriseprecast.com	•	•		•										
Fabcon Savage, MN (Jim Houtman) 952-890-4444 Columbus, OH, Mahoney City, PA and Pleasanton, KS – www.fabcon-usa.com				•							•	•		
Gage Brothers Concrete Products, Inc. (Tom Kelley) Sioux Falls, SD, 605-336-1180 • www.gagebrothers.com	•	•	•	•		•		•	•		•			•
Mid America Precast, Inc. (Rod Tanner) Fulton, MO, 573–642–6400 • www.midamericaprecast.com	•	•	•	•	•					•	•			
Molin Concrete Products Co. (John Saccoman) Lino Lakes, MN, 651-786-7722 • www.molin.com			•	•		•			•					
MPC Enterprises, Inc. (Don Bieghler Jr.) Mt. Pleasant, IA, 319–986–2226 • www.mpcent.com	•	•	•	•	•		•	•	•	•	•			
PDM Precast, Inc. (Adam Petersen) Des Moines, IA, 515-243-5118 • www.pdmprecast.com	•		•	•		•	•	•	•					
Prestressed Casting Co. (David Robertson) Springfield, MO, 417-869-7350 • www.prestressedcasting.com	•		•	•			•	•	•		•			
Prestressed Concrete (Rod Nicholson) Newton, KS, 316-283-2277 • www.prestressedconcreteinc.com	•		•	•			•	•	•		•	•	•	•
Stress-Cast Inc (Jim Markle) Assaria, KS, 785-667-3905				•		•								
Wells Concrete Wells, MN, Albany, MN and Maple Grove, MN (Spencer Kubat, 800–658–7049) • Grand Forks, ND (Mike Mortenson, 800–732–4261) • www.wellsconcrete.com	•	•	•	•		•		•	•		•		•	