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"Building" Customer Satisfaction Through Generations of Teamwork



Arrowhead Stadium
Kansas City, MO

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MOLIN ASSISTS WITH PROJECTS
AT THE UNIVERSITY OF MINNESOTA



Paul Kourajian, P.E.
Director of Engineering

Molin Concrete Products was recently involved with a few different projects with the University of Minnesota Civil Engineering Department. "We see our involvement in educational institutions as crucial to the development of the precast market," says Molin Concrete V.P. of Sales/Marketing, John Saccoman. "The best marketing we do involves working with, assisting, and educating the precast/prestressed concrete designers of tomorrow."



"Big Beam" Design Team

This spring, Molin Concrete has been involved in mentoring a group of students in Prof. Catherine French's prestressed concrete design course at the university. The students are participating in the PCI Big Beam Contest. As the sponsoring Producer Member, Molin provided the materials, transportation, and advice to aid the student team. The "Big Beam" was fabricated by the students at our plant in May and then shipped to the university for testing.



Beam Produced

The goal of the Big Beam contest is to help the students better understand how prestressed steel reinforcement affects the structural performance of a beam. This is achieved by having the beam fail at an ultimate load of 35-42,000 pounds and not to crack prior to the design load. The beam was tested on June 10th and yielded interesting results. With the beam failing at 47,800 pounds, the team lost some points for exceeding the load threshold. It was a positive experience to work with the University of Minnesota students and it provided a great learning experience for all involved.



Beam Tested

Earlier in the semester, Paul Kourajian, P.E. (Director of Engineering), Joel Coudron, P.E. (Design Engineer), and Steve Brawthen, P.E. (Design Engineer) gave a presentation to Dr. French's class on load paths, design of stadium risers, and the fire resistant and fire compartmentalization attributes that precast concrete has to offer. *(Pictured Top Right: Sarah Noe, Joanne Cambell, Leah Olson, Elizabeth Manning, and Nelson Vang. Back row: Steve Brawthen and Paul Kourajian. Not pictured: Rita Lederle.)*

DICK DOUGHERTY
REMEMBERED

It is with much sadness that we report the passing of Dick Dougherty. Dick, before retiring in 1988, had been a salesman with Molin Concrete for 30 years. Dick began his 43-year career in the construction industry after World War II when he went to work for Donovan Construction. In the late 50's, Donovan Construction and Molin Concrete worked on a project called Meadowbrook Manor. At the conclusion of the project, Molin acquired the rights from Donovan Construction to the Flexicore manufacturing process. Fortunately for Molin, Dick then joined Molin Concrete as a salesman in 1958. His knowledge of the industry was instrumental in helping Molin Concrete grow and expand its Flexicore and Hollow Core product line. Dick was one of the pioneers in promoting the prestressed/precast market. He will be greatly missed!



Dick and June Dougherty

PROJECT HIGHLIGHT

ARROWHEAD STADIUM - HOME OF THE KANSAS CITY CHIEFS



Owner: Arrowhead Stadium
Architect: HOK
Engineer: Walter P. Moore
GC: Turner Construction
Precaster: Molin Concrete Products

Product:
Precast Concrete Closure Panels: 264 Sq. Ft.
Precast/Prestressed Beams: 358 L.F.
Precast Stadia: 1,972 L.F.

Molin has provided product to Arrowhead Stadium in Kansas City, MO. The stadium is hailed as one of the largest, as well as one of the loudest stadiums in the United States. Rather than rebuild, Arrowhead is being fully renovated to include additional amenities as well as an expansion of the upper-bowl seating area. Jason Wells, Project Engineer with Turner Construction had



these thoughts

on the project, "It is never easy trying to blend in new stadia panels into an existing stadium and get everything to fit and look right, but we really appreciate the feedback and ideas that Molin provided during early coordination meetings to help make sure all the pieces fit into this complicated puzzle." Randy Braun, P.E. (Walter P. Moore Engineering) had these comments about working with Molin Concrete on the project, "The Arrowhead Stadium project presented many challenges to the design team and subcontractors. One of those challenges was the design, construction and erection of the precast seating units to seamlessly blend with the existing seating bowl. Molin personnel provided the design team with timely and accurate information to accomplish this goal." The renovation is on track for the Kansas City Chiefs opening game in the fall.

MOLIN CONCRETE
THREE LEED APs ON STAFF

In an effort to keep pace with current trends in the construction industry Molin has made a commitment to keep our sales staff informed and educated on sustainability and how it relates not only to the built environment, but specifically to precast concrete. Molin is proud to announce that Erik Molin and Marc Mueller have recently passed the LEED AP exam and join Bob Clauson as LEED Accredited Professionals.

Congratulations!



Erik Molin
Residential
Sales & Marketing



Marc Mueller
Midwest Business
Development

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For more information,
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- Prestressed Beams/Columns
- Prestressed Stadia
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