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**American Concrete Institute
Pittsburgh Area Chapter**
P.O. Box 86
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Spring 2024

CHAPTER NEWS

Progress through Knowledge

Concrete In the Steel City



2024-2025 ELECTION BALLOT RESULTS

We currently have 260 members and 52 ballots were returned.

PRESIDENT

Josh Bryan, Bryan Materials Group

VICE PRESIDENT

Carly McGee, KTA-Tator, Inc.

DIRECTORS

Ronald Bruner, PennDOT - Materials Supervisor

Dominic Giovannucci, Heidelberg Materials - Technical Services Manager

THANK YOU! to the 2023-2024 Board for all of their efforts!



CHAPTER NEWS

Congratulations! 2024 FOUNDERS AWARD WINNERS



Matthew Griffiths (\$4,000)

School: Penn State

Major: Civil Engineering

School Year: Junior

Expected Graduation Date: December 2024

Plans after graduation: To obtain a long-standing position as a project manager/estimator with a local company, while pursuing my P.E. license and M.B.A.



Jack Parkhurst (\$3,000)

School: University of Pittsburgh

Major: Civil Engineering

School Year: Junior

Expected Graduation Date: April 2025

Plans after graduation: After graduation I will commission as a 2nd Lieutenant in the US Army (ROTC) and I wish to find a career in either concrete research or structural engineering.



Michael Hoysock IV (\$2,000)

School: Pennsylvania College of Technology

Major: Associate of Science, Bachelor of Architecture, and Minor in Mathematics

School Year: Freshman

Expected Graduation Date: May of 2028

Plans after graduation: I plan to work towards getting my Architecture license.

LIFETIME ACHIEVEMENT AWARD

The 2024 Lifetime Achievement Award was presented to Brian Montarti.

Brian has operated or managed concrete plants in Western Pennsylvania and the city of Pittsburgh for over 30 years. His entry into the concrete industry was in 1989, which was in Virginia working for Virginia Ready Mix. He moved to Pittsburgh when his first daughter was born and started working for Pioneer Aggregates. From there he went to Davidson Sand and Gravel as a batch operator. Brian then went to work for Arrow Concrete and under that company he was behind almost every yard that built every major sports venue in the city of Pittsburgh. Throughout his career, Brian was personally responsible for producing well over 2 million cyds. of concrete and doing his part to ensure many major construction projects met their goals in the city of Pittsburgh.

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Pictured left to right: Awards Chairman, Jared Wright, Dominic Giovannucci (He nominated Brian for the Award.), Brian Montarti, President, Joshua Bryan





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LIFETIME ACHIEVEMENT AWARD 2024 Winner Brian Montarti

Brian has taught many people about this business, which has provided so much for him over his career. He has exemplified hard work. He is very deserving of the Tink Bryan Lifetime Achievement Award not only for his lifetime in concrete, but also because of his dedication to this business and to his family. Brian is now very close to retirement and will be enjoying that with his children and grandchildren. When he retires in the very near future, the ready-mix industry in Pittsburgh will miss him dearly.

The Lifetime Achievement Award was created in 1999 in memory of Thomas "Tink" Bryan. Tink was an outstanding individual who dedicated himself to his family, business and the concrete industry. Over the past several years, the Chapter has honored other members who have demonstrated exceptional commitment in these same areas.



Past winners in attendance at this year's awards banquet (from left to right): Russel Smith, George Wargo, Charles Niederriter, Brian Montarti (2024 winner), Dave Thomas, Bob Lawrence, Wayne Miller

A Warm Welcome & Thank You to Our Newest Chapter Members!

INDIVIDUAL MEMBERSHIPS

RED Industrial Products – Mac Young
RJ Lee Group – Chesney DeTullio

CORPORATE MEMBERS

Northeast Solite Corporation
Anthony Newhouse, Nicholas Riccio, Dan Russell

SUSTAINING MEMBER

Hillis-Carnes Engineering Associates, Inc.
Gracie Carney, Michael Kirsch, Jeremy Nelson, Aaron Roach, Stephen Simonette, Justin Zelekovitz

The Pittsburgh Area Chapter continues to grow because of support from all of our members!

BOARD OF DIRECTORS 2023 - 2024

Brian Lucarelli
US Army Corps of Engineers
Past President

Josh Bryan
Bryan Materials Group
President

Carly McGee
KTA-Tator, Inc.
Vice President

~ BOARD MEMBERS ~

Ron Bruner - *PennDOT District 11*

Joseph DiBucci - *DiBucci and Sons*

Robert Hamilton - *KTA-Tator, Inc.*

Patrick Hofmann - *PennDOT Engineering District 12-0*

Allison McFarland - *Heidelberg Materials*

Michael Moore - *Rycon Construction, Inc.*

Ryan Pendeville - *Golden Triangle Construction*

Jared Wright - *Walker Consultants*

~ STAFF ~

Beth Rader - *Secretary / Treasurer*

Andy Lawrence - *Certification Coordinator*

Chapter News is published by the American Concrete Institute, Pittsburgh Area Chapter for the purpose of informing members and others about issues of concern to the concrete industry. If you have information to include in this publication or any comments, contact ACI Pittsburgh Chapter at 724-452-1468

2024 Pittsburgh Area Chapter Meetings & Events

MEMBER DINNER RECAP

Our annual banquet was held Friday, April 19th at The Camelot with entertainment by national touring magician, Lee Terbosic!

GOLF OUTING

Monday - August 5, 2024
QUICKSILVER GOLF CLUB
Midway, PA 15060

The **2024/2025 Education/Training Schedule** will be posted on the website sometime in **September**.

9th Annual EXCELLENCE IN CONCRETE PROJECT AWARD WINNERS



Golden Triangle Construction SR28 Highland Park Bridge Interchange Category: Infrastructure (Completed January 2024)



In the winter of 2023/2024, Golden Triangle Construction Co., Inc. completed a 3-year long highway reconstruction project located on SR28 in Aspinwall, PA for Pennsylvania Department of Transportation, District 11. This was a design build project incorporating bridge and wall preservation, sound barriers, full depth pavement reconstruction, drainage upgrades, concrete barrier, curb, sidewalk, and other miscellaneous construction all within a length of approximately 1.85 miles. Golden Triangle was awarded the \$47,311,823.85 project in October of 2020, and began physical work in January of 2021. This project was bid as an alternate pavement project, where concrete pavement ultimately beat out the asphalt alternative by nearly \$5.5 million.

Concrete was used in many forms on this project, both planned and unplanned. Long Life Concrete Pavement was installed on the mainline section of SR 28, consisting of 43,642 SY or 14,000 CY. Jointed Plain Cement Concrete Pavement was placed on 10 ramps and SR 1005, consisting of 15,963 SY or 4,300 CY. Cement Treated Permeable Base Course was placed underneath all concrete pavement and moment slabs, consisting of 67,774 SY or 7,600 CY. Cement Subgrade Stabilization was utilized on the majority of the planned and unplanned undercuts, consisting of 35,869 SY or nearly 900 tons of cement. Over 5,000 LF of Reinforced Concrete Pipe was installed to upgrade the drainage system, along with 361 Pre-Cast Concrete Drainage Structures. Nearly 9,500 LF or 3,000 CY of concrete curb was placed throughout the project. Over 20,000 LF of Concrete Barrier, both cast-in-place and pre-cast. Concrete sidewalk, both normal and accelerated concrete, was placed, consisting of 1,225 SY or 200 CY of concrete. Approximately 6,000 SF of Reinforced Pre-Cast Concrete Soundwall Panels were fabricated offsite and placed in 11 separate locations on the project. Widening of 3 existing bridges required 9 Concrete Spread Box Beams spanning a total of 521 LF. One existing bridge was rehabilitated using 550 SY or 20 CY of Latex Modified Concrete. Five existing bridges were overlaid using 4,364 SY or 145 CY of Polyester Polymer Concrete. New bridge caissons utilized nearly 200 CY of Self Consolidating Concrete. Over 330 CY of AAAP Concrete was placed on bridge decks for 5 bridges that were widened or modified. Shotcrete was applied to the face slope of a soil nail wall using 6,122 SF or 300 CY of wet batched shotcrete. Additionally, nearly 400 CY of concrete was used in light foundations, sign structure foundations and various other foundations on the project.

Bryan Materials Group UPMC Vision Institute – Mercy Pavilion Category: Mid-Rise Buildings (Completed October 2023)



The UPMC Vision Institute is a 442,000 square foot, 10 story tower that required over 60,000 cubic yards of concrete. The structure is a concrete and steel frame hybrid in an effort to minimize vibration inside the building for the precision equipment housed inside the hospital. The pavilion was designed to welcome both blind and low-vision visitors and patients in to a completely accessible building that doesn't limit them based on any physical disability. HOK Architecture worked with Chris Downey, AIA, one of the world's few blind architects, on design strategies to best support the visitors. The principles of this design strategy included lighting variations that rely on contrast and brightness, color and sound as way finding tools and materials with textures to aid those with canes.

This project had many unique design criteria that needed to be overcome during the design and pre-construction phases of the project. Working with Mascaro Construction proved that with a true sense of teamwork and a collaborative approach, many potential challenges can be overcome.