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FRP Externally Bonded Reinforcement Certificate Program

FRP as External Reinforcement for Concrete Structures: Design, Installation and Field Quality Control

Please join the North Carolina Department of Transportation and FRP Institute for Civil Infrastructure for a special technical educational session on externally bonded FRPs for concrete structures.

Date: Nov. 8th, 2023

Time: 8:00 a.m. to 4:00 p.m.

Location:

Wake Technical Community College, Western Wake Campus
3434 Kildaire Farm Road, Cary, NC 27518

Price: \$300 per person; \$150 for North Carolina DOT employees – pre-registration requested

Online Registration Link:

<https://www.eventbrite.com/e/frp-institute-and-ncdot-educational-session-tickets-722233910067?>

Agenda

Morning Session

- Opening and introduction – Cabell Garbee
- FRP Institute Introduction – Richard Krolewski
- History of Externally Bonded FRP in DOT applications (Structural testing and applications) – Scott Arnold
- 10-minute break
- FRP design introduction – Scott Arnold
- Design Example – Scott Arnold
 - a. Column example
 - b. Beam example

Lunch

Afternoon Session

- Installation Inspection/Field QC – Dennis Dempsey
- Detailing and Finishes – Dennis Dempsey
- 10-minute break
- Special Provision / Specification Discussion – Scott Arnold
- Closing – Cabell Garbee

Presenters

Richard Krolewski

Richard Krolewski, CEO of the FRP Institute for Civil Infrastructure, has dedicated much of his professional life to the concrete and construction industry through a multitude of positions. He has a broad range of expertise in developing specifications and serving as a liaison between the concrete industry and the regulatory community at the federal, state and local level.

Krolewski's portfolio includes many successful projects with federal, state and local agencies based on longstanding relationships with key players within the manufacturing and regulatory communities. He founded Regulatory Resources LLC in 2020 to serve as a linchpin between producers, contractors and public officials. In 2021, Krolewski worked with a forward-thinking group of transportation officials and industry composites experts to form the FRP Institute for Civil Infrastructure. The primary mission of the FRP Institute is to advance the development of 21st century infrastructure while creating opportunities for concrete manufacturers and suppliers to the industry.

In his role as Regulatory Resources founder, Krolewski serves as the facilitator of the DOT Advisory Board, a panel of senior Department of Transportation officials dedicated to adopting new technology within the DOT environment.

Scott Arnold, P.E.

Scott Arnold is the Director of Engineering Solutions at Fyfe Company. He has been working with Fyfe Company for over twenty-eight years on the design and development of the Tyfo® FRP composite strengthening systems. He is a licensed civil engineer in multiple states and has a Bachelor of Science in Structural Engineering from the University of California at San Diego.

Dennis Dempsey, P.E.

Dennis Dempsey is the Mid-Atlantic Business Development Manager for FyfeFRP, LLC. He has been working with FyfeFRP, LLC for approximately four years, introducing structural engineers to FRP and assisting them with its design, detailing, and specification development. He also serves as the main point of contact for all Fyfe-certified FRP installers, assisting them from the early feasibility stages of a project through the construction and QA/QC stages. He is a licensed professional engineer in multiple states and spent eleven years working as a structural engineer in the private consulting world prior to joining FyfeFRP, LLC. Dennis has a Bachelor of Science in Civil Engineering (Structural Engineering Focus) from the University of Delaware.