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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 Maine Department of Transportation and FRP Institute for Civil Infrastructure for a special technical educational session on externally bonded FRPs for concrete structures.

Date: May 10, 2023

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

Location: Augusta Elks Lodge, 397 Civic Center Drive, Augusta ME 04338-2206

Price: \$300 per person – pre-registration requested; no fee for Maine DOT employees

Online Registration Link: <http://bit.ly/3nTF02l>

Agenda

Morning Session

- Opening and introduction – Joseph Stilwell
- 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 – Dr. Tanarat Potisuk
 - a. Column example
 - b. Beam example
 - c. Slab example

Lunch

Afternoon Session

- Installation Inspection/Field QC – Serge Roux
- Detailing and Finishes – Serge Roux
- 10-minute break
- Special Provision / Specification Discussion – Scott Arnold
- Closing – Joseph Stilwell

Presenters

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.

Dr. Tanarat Potisuk, P.E., S.E., Ph.D

Concrete Bridge Standards Engineer - Oregon Dot & Chair AASHTO T-6 committee
Tanarat Potisuk, P.E., S.E., Ph.D is the Concrete Bridge Standards Engineer for Oregon Department of Transportation. He is the technical resource for reinforced and prestressed concrete, seismic design, joint and bearing, and bridge strengthening. He is the chair of AASHTO T-6 FRP Composites and a voting member of T-10 Concrete Design.

Mr. Serge Roux, P.E.

Serge Roux is a Structural Engineer licensed in the State of New York with almost a decade of successful experience in design. His experience incorporates new buildings, building retrofits, and a temporary bridge. Since joining Fyfe Co. in 2019, his focus has been to help engineers keep structural elements from failure with the use of fiber reinforced polymer.