

# 2018 FDOT-FRP Industry 2<sup>nd</sup> Winter Workshop

February 9, 2018

Orlando, FL

## Workshop Outline



# Announcement

- Following up on a successful [FRP-RC Workshop](#) at the Florida Turnpike Enterprise Headquarters last year, and in continual support of FDOT's [Invitation to Innovation](#) initiative for Fiber Reinforced Polymer (FRP) Reinforcing Bars and Strands, FDOT's State Structures Design Office is hosting the 2<sup>nd</sup> Winter **FRP-Reinforced Concrete Workshop** to be held again at the Florida Turnpike Headquarters in Orlando, Florida. The workshop is critical for improving the practical implementation of design and material criteria to effectively leverage the most benefit from these newer materials. The workshop aim is to collaborate with design practitioners, FRP Industry producers and academia for FDOT structural items of interest.
- The workshop will be held the day following the **FTBA Construction Conference - Structures Sessions**, as a separate meeting at the Turnpike Headquarters, with **No Registration Fee**.
- Industry attendees are encouraged to participate in the preceding **FTBA Construction Conference** which will provide several FRP construction related presentations and a good opportunity for networking with Contractors doing business in Florida. A separate registration fee is required for attending that event. Hotel information is also available on the website: <http://www.ftba.com/2018-construction-conference.html>



# GoToMeeting (for remote Attendees)

## 2018 FDOT-FRP Industry 2nd Winter Workshop (Part 1)

Fri, Feb 9, 2018 10:00 AM - 12:00 PM EST

**Please join my meeting from your computer, tablet or smartphone.**

*(To be announced)*

## 2018 FDOT-FRP Industry 2nd Winter Workshop (Part 2)

Fri, Feb 9, 2018 1:00 PM - 3:00 PM EST

**Please join my meeting from your computer, tablet or smartphone.**

*(To be announced)*



# Agenda

**10:00 - 10:15am: Introduction of topics and attendees**

**10:15 - noon: Presentations (15 min. each):**

- a. FDOT FRP-RC implementation status
- b. FDOT Materials Office update on Durability focused research projects
- c. Update on **AASHTO LRFD Guide Specification for GFRP-RC**
- d. CSA update
- e. ACMA FRP-RMC update
- f. Action Item Status from last year

**Noon - 1:00pm: Lunch**

**1:00 - 2:40pm Industry Discussion and Roadmap Planning (moderated session)**

- a. Endurance Characteristic Curves and Testing (**Workbook** Item #1)
- b. Increasing GFRP strength and elastic modulus limits (**Workbook** Item #2 & 3)
- c. Refine FDOT draft Roadmap for FRP Deployment –
  - i. Review remaining **Workbook** Items #4-#9
  - ii. Consider **AASHTO SCOBS** T6 Strategic Plan
  - ii. **FHWA EDC-5** potential for FRP-RC
  - iii. Review 2017 **NIST** Workshop findings
- d. Establish how FRP Industry can effectively contribute to advancing these efforts

**2:40 - 3:00pm Future Workshops and Action Items**

- a. Suggestions for Future Workshops
  - i. **2nd International Workshop on GFRP-RC**, Miami early 2019?
  - ii. FRP-Design Workshop at **Florida Innovating Transportation Symposium**, Orlando, 6/2018?
  - iii. Needs for **3rd Winter Workshop** in 2019 or joint with **2nd IW-GFRPRC** in Miami?
- b. Action Item Summary
- c. Closing Statements

*2018 FDOT FRP-RC Winter Workshop*





# Location

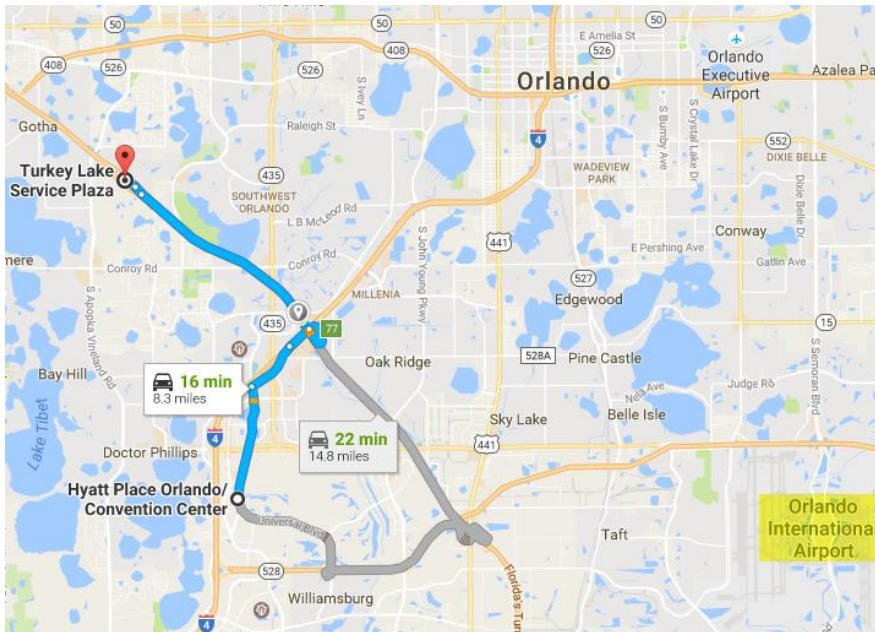
## Map to Florida Turnpike Enterprise HQ:

Auditorium A & B

Turkey Lake Service Plaza, Milepost 263

Ocoee, FL 34761

Ph. 407-532-3999



# Part 1 - Presentations

- a. FDOT FRP-RC implementation status
- b. FDOT Materials Office update on durability focused research projects
- c. Update on AASHTO LRFD Guide Specification for GFRP-RC
- d. Canadian Standards Association update
- e. ACMA FRP-RMC update
- f. Action Item Status from last year



# Lunch 12:00-1:00 pm

## Turkey Lake Service Plaza





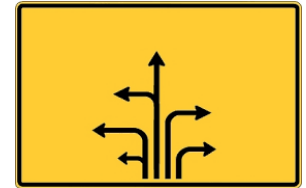
# Part 2 - Industry Discussion and Roadmap Planning

- a. Endurance Characteristic Curves and Testing  
(*Workbook Item #1*)
- b. Increasing GFRP strength and Modulus of Elasticity limits (*Workbook Item #2 & 3*)
- c. Refine FDOT draft Roadmap for FRP Deployment
  - i. Review remaining Workbook Items #4 - #9
  - ii. Consider **AASHTO SCOBS** T-6 Strategic Plan
  - iii. **FHWA EDC-5** potential for FRP-RC
  - iv. Review 2017 **NIST** Workshop findings
- d. Establish how FRP Industry can effectively contribute to advancing these efforts





# Part 3 – Future Workshops and Action Items



- a. Suggestions for Future Workshops
  - i. **2nd International Workshop on GFRP-RC**, Miami early 2019?
  - ii. FRP-Design Workshop at **Florida Innovating Transportation Symposium**, Orlando, 6/2018?
  - iii. Needs for **3rd Winter Workshop** in 2019 or joint with **2nd IW-GFRPRC** in Miami?
- b. Action Item Summary
- c. Closing Statements



# Adjourn - Thanks for Coming !

*Have a Safe Journey...*

