

Study on Furthering the Development and Use of Innovative Materials in Water Resources Infrastructure – Committee Meeting 6

January 15-16, 2025

Keck Center **Room 106** & VIA **Teams – LINK HERE**

Purpose

- Learn about opportunities and barriers when implementing innovative water resources materials and where innovative materials fit into the USACE R&D system
- During the closed session, the committee will share their reactions, discuss necessary follow-up actions, and form report section working groups.

(all times
ET)

8:30-9:00

Wednesday, January 15th

Committee Breakfast – Keck Center Room 106

9:00–9:05

Welcome and Introductions – **OPEN SESSION**

Dr. David Dzombak, Committee Chair, Carnegie Mellon University

Mr. Dylan Rebstock, Responsible Staff Officer, TRB

9:05-10:20

Current Utilization of Composites at USACE and Drivers of R&D – **OPEN SESSION**

Mr. Eric Johnson, Technical Manager, Inland Navigation Design Center (INDC)

Mr. Joe Stilwell, Civil Engineer & Composites Expert, INDC

Q&A with Full Committee

10:20-

10:30

BREAK

10:30-

11:45

Asset Management and Innovative Materials – **OPEN SESSION**

Mr. Kerry Lowman, Operations & Maintenance Specialist, USACE HQ

Q&A with Full Committee

11:45-

11:55

BREAK

11:55-

12:30

Opportunities & Barriers for R&D Implementation and Innovation in USACE Water Resources Infrastructure Maintenance and Rehabilitation – **OPEN SESSION**

Dr. Joe Manous, Director, Institute for Water Resources

Q&A with Full Committee

12:30–
1:15

LUNCH

1:15–2:30

Lessons Learned from Utilizing Innovative Materials in the US Navy –
OPEN SESSION

*Dr. Maureen Foley, Composite Materials Technology Expert, US Navy
Q&A with Full Committee*

2:30–2:45

BREAK

2:45–3:15

Reactions to Speakers – **CLOSED SESSION**
Full Committee

3:15–3:45

Pittsburgh Site Visit: Goals and Recent Developments – **CLOSED
SESSION**

*Dr. David Dzombak, Committee Chair
Ms. Jeanine Hoey, Committee Member*

3:45–5:00

Identifying Remaining Information Gaps – **CLOSED SESSION**
Full Committee

- ERDC liaison to Civil Works HQ offered to coordinate a panel focused on R&D prioritization processes; unable to attend this meeting but could likely arrange a virtual session in February
- Galveston District helping to provide a Geotech expert but need more time; optimistic someone could be ready for a virtual session in February
- Review Statement of Task
 - Any areas not adequately discussed?
 - Any other gaps that could require a commissioned research paper and/or a full workshop?
- Review Project Timeline
 - Once Pittsburgh dates are set, will schedule remaining in-person meetings in April and June (DC or Orange County, CA)

6:00

Committee Dinner at Clyde's of Gallery Place
707 7th St NW, Washington, DC 20001

Thursday, January 16th

- 8:00–8:30 Committee Breakfast – Keck Center Room 106
- 8:30–10:30 Review Overall Draft Outline and Finalize Structure of Report – **CLOSED SESSION**
Full Committee
- 10:30–10:45 BREAK
- 10:45–12:00 Chapter-by-Chapter Breakdown of Key Themes and Working Group Assignments – **CLOSED SESSION**
Full Committee
- 12:00–12:30 LUNCH
- 12:30–1:45 Chapter-by-Chapter Breakdown of Key Themes and Working Group Assignments (cont.) – **CLOSED SESSION**
Full Committee
- 1:30–2:00 Closing Comments and Next Steps – **CLOSED SESSION**
Dr. David Dzombak, Committee Chair