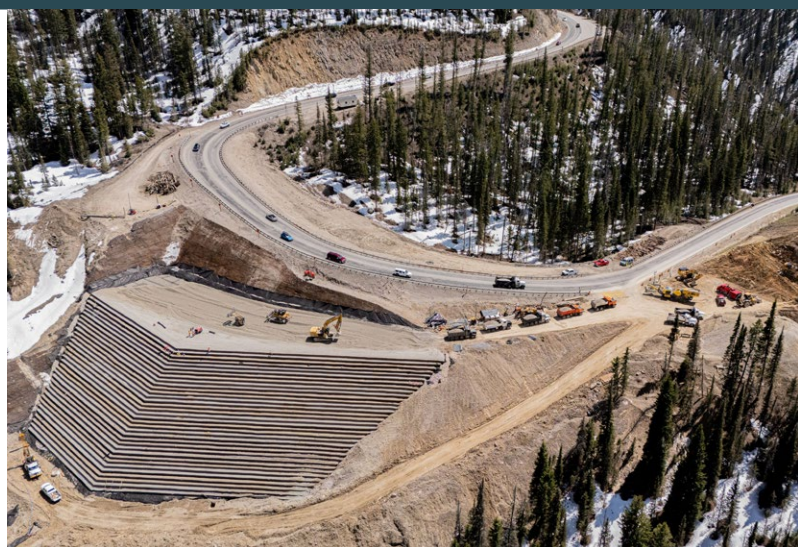
Lightweight Fill 2026 Program

Monday, March 9, 2026

7:30 – 8:00	**Breakfast**
8:00 – 8:20	**Lightweight Fill Technologies for Transportation Infrastructure: Practices, Costs, and Recommendations:** *Amr M. Morsy, Ph.D., P.E., California State University, Long Beach*
8:20 – 8:40	**Geotechnical Applications for Expanded Clay, Shale and Slate Lightweight Aggregate:** *Jack Moore, PE, Arcosa Lightweight*
8:40 – 9:00	**US Highway 17 Hutchinson Island Interchange: Low-Density Cellular Concrete Embankments over Soft Soils:** *Guoming Lin, Ph.D., G.E. BC.GE, Terracon*
9:00 – 9:20	**A Multi-Functional Foamed Glass Aggregate Embankment for Passenger Rail Infrastructure in Jersey City:** *Theresa Andrejack Loux, PhD, PE, ENV SP, Aero Aggregates*
9:20 – 9:40	**Revisiting a 2003 Landslide Repair using Geofoam, Tiebacks & Shotcrete in Port Angeles, WA :** *Frank W. Pita, PE, GE, LHG, D. GE, FASCE, Frank W Pita Consulting LLC*
9:40 – 10:00	**Break**
10:00 – 10:20	**Dual Component Polyurethanes For Load Reducing Fills:** *Kirk Roberts, CJGeo*
10:20 – 10:40	**Lightweight Waste-Derived Reinforcement for Clayey Soils: A Large-Scale Experimental Study:** *Mohsen Ajdari, Ph.D., P.E., LCN School of Engineering*
10:40 – 11:00	**Tire Derived Aggregate as a Lightweight Fill in Static and Seismic Geotechnical Applications:** *John S. McCartney, Ph.D., P.E., F.ASCE, University of California San Diego*
11:00 – 11:20	**Electrochemical Characterization of Expanded Shale, Clay and Slate Lightweight Aggregates for Corrosion Assessment in Mechanically Stabilized Earth Wall Systems:** *Fariborz M Tehrani, Ph.D., PE, ENV SP, PMP, SAP, F.ASCE, ESCSI*
11:20 – 11:40	**Aero Aggregates:** *Theresa Andrejack Loux, PhD, PE, ENV SP*
11:40 – 12:00	**Break**
12:00 – 1:00	**Lunch/Keynote:** *Michael P. McGuire, Ph.D., P.E., Lafayette College*
12:00 – 1:00	**Lunch/Keynote:** *Mark S. Salvatore, PE, MixOnSite*



1:00 – 1:20	**Break**
1:20 – 1:40	**Characterization of Permeable Lightweight Cellular Concrete:** *Beena Ajmera, Ph.D., P.E., Iowa State University*
1:40 – 2:00	**Improving Safety by Eliminating the Bump at End of the Bridge Using Lightweight Backfill :** *Yuqiu Ye, Ph.D, Youngstown State University*
2:00 – 2:20	**Foamed Backfill for Subsidence Mitigation and the utilization of Liquid Sand:** *Samantha McNerney, Aerix Industries*
2:20 – 2:40	**Lightweight Aggregates Stabilized with Geogrid:** *Garrett Fountain, PE, GE, Tensar*
2:40 – 3:00	**The Resilient Modulus and Strength of Type I Lightweight Cellular Concrete and the Effects of Partial Saturation:** *Dan Seely Ph.D., P.E., BC.GE, IGES*
3:00 – 3:20	**Study of Foamed Glass Aggregate for Rapid Airfield Pavement Construction and Repair:** *Haifang Wen, PhD, PE, Fellow of ASCE, Washington State University*
3:20 – 3:40	**Break**
3:40 – 4:20	**Panel Presentations**
4:20 – 5:00	**Panel Discussion**