

Paula Dowell, PhD, AVP, Integrated Planning, HNTB, 15 June 2022



Meeting

Executive

Committee



Jolene Hayes, AICP, Fehr & Peers, 15 June 2022

Caroline Mays, Texas DOT, 15 June 2022

Reimagining Freight

Marine Transportation First Impressions

TRB Executive Committee Meeting June 15, 2022

Martha Grabowski, Chair, TRB Marine Board

Reimagining Freight -

Marine Transportation First Impressions

Interconnectivity, Interfaces



- China, EU, US Ports, Asia, Africa
- Air-Surface-Undersea-Space maritime interfaces





- Gaps: Authorities, Governance, Physical & Digital Assets, Visibility, Predictability
- Life Cycle Digital Trade Dynamics
 - Trade→E-Commerce→Digitization→Crypto→NFTs→Multiverse
- Technology Autonomy, Human Element, DEI
- Venture Capital Entrepreneurship, Pace of Innovation
- Macro Issues
- Geopolitics, Social Unrest
- Cybersecurity, Decarbonization
- Generational Educational, Workforce, Labor
 - COVID-19, Direct-to-Work/Apprenticeships





