<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Track A - South Pacific 1</th>
<th>Track B - South Pacific 2</th>
<th>Track C - South Pacific 3</th>
<th>Track D - South Pacific 4</th>
<th>Track E - Sea Pearl 1/2</th>
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<tr>
<td>6:00 AM - 6:30 AM</td>
<td>Breakfast Plenary - Coral IV/V</td>
<td>1A Environmental</td>
<td>1B Port Engineering</td>
<td>1C Port Engineering</td>
<td>1D Equipment &amp; Systems</td>
<td>1E Terminal Planning &amp; Design</td>
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<tr>
<td>6:30 AM - 8:30 AM</td>
<td>Technical Sessions</td>
<td>1A Environmental</td>
<td>1B Port Engineering</td>
<td>1C Port Engineering</td>
<td>1D Equipment &amp; Systems</td>
<td>1E Terminal Planning &amp; Design</td>
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<tr>
<td>8:30 - 10:00 AM</td>
<td>A Probabilistic Framework for Climate Change in Design Jeffrey Oskamp</td>
<td>1A Environmental</td>
<td>1B Port Engineering</td>
<td>1C Port Engineering</td>
<td>1D Equipment &amp; Systems</td>
<td>1E Terminal Planning &amp; Design</td>
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<tr>
<td>10:00 - 10:30 AM</td>
<td>Refreshment Break (in Exhibit Hall)</td>
<td>1A Environmental</td>
<td>1B Port Engineering</td>
<td>1C Port Engineering</td>
<td>1D Equipment &amp; Systems</td>
<td>1E Terminal Planning &amp; Design</td>
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<tr>
<td>10:30 AM - 12:00 PM</td>
<td>Technical Sessions</td>
<td>1A Environmental</td>
<td>1B Port Engineering</td>
<td>1C Port Engineering</td>
<td>1D Equipment &amp; Systems</td>
<td>1E Terminal Planning &amp; Design</td>
</tr>
</tbody>
</table>
Moderator: Philip Erbland P.E., M.ASCE

Beneficial Reuse of Dredged Contaminated Sediments for Redevelopment of an Upland Cleanup Site
Jesi Massingale P.E., M.ASCE; Corey Wilson, PE; Chris Hartman, PE

Bulkhead Barrier Wall Design and Construction Considerations: The Gowanus Canal Kayla Newton P.E.; Matthew Page P.E.

Completing the Installation of 10 Megawatts of Photovoltaic Solar Power at the Port of Los Angeles Carlos Baldwin P.E., L.S.I.T., M.ASCE

Evaluating the Effects of Increased Dredge Depths on Existing Structures Timothy Weeks P.E.; Andrew Leedom P.E.; Jeff Fisher P.E.

Track A - South Pacific 1
6:30 - 8:00 AM
6:30 AM - 5:00 PM
6:00 - 7:00 PM
3:00 - 4:30 PM
2:30 - 3:30 PM
12:00 - 1:00 PM Exhibit Hall Lunch
1:00 - 2:30 PM Technical Sessions

Track B - South Pacific 2
Track C - South Pacific 3
Track D - South Pacific 4
Track E - Sea Pearl 1/2

3A Environmental
3B Port Engineering
3C Port Engineering
3D Landside Connections
3E Terminal Planning & Design

Moderator: All Naem M.ASCE

Coupled Modeling Approach to Quantify Shoreline Erosion and Beach Morphology
Due to Passing Vessels Abhishek Sharma PhD; Francis Salcedo P.E., M.ASCE; Scott Fenical P.E., D.CE, D.PE

Designing Ports for Rising Seas: Portmiami’s Approach to Staying Afloat
Erica Harris ENV SP, WEDG; Justin Vandever PE; Philip Hadfield P.E., M.ASCE; Helga Sommer PE

Development of New PIANC Guidance for the Beneficial Use of Dredged Material
Burton Suedel ; Victor Magar ; Luca Sittioni C.Eng, M.ASCE

Fast-track Integrated Environmental Cleanup & Maritime Terminal Redevelopment of Former Mill Site
Nathan Watson P.E., M.ASCE; Dylan Frazer LG; Jeff Becker P.E.; Erik Geringer

Moderator: Gayle Johnson P.E., M.ASCE

2D and 3D Physical Model Testing Of Mega Port Projects Bill Papas P.E., D.PE, M.ASCE; Attila Bayram PhD, P.E., D.CE, M.ASCE; Mathew Power EIT; Sean O’Neill PhD, PE; Alicia Kaufman; Erika Rosenstein

Innovative Dock Mooring Solution for a Historically Sensitive Area
Camille Gozum EIT; Robert Sherwood P.E.; Paul DePrey ; Andrew Rocheleau

Physical Modeling of Hard Structure Effects on Tsunami Force Reduction
Burton Suedel ; Victor Magar ; Luca Sittioni C.Eng, M.ASCE

Moderator: Julie Galbraith P.E., M.ASCE

Case History of a Rehabilitated Port Facility After the 2016 Ecuador Earthquake

Design Challenges – Seward Marine Center, Arctic Research Vessel Berth in Seward, Alaska M.R. Hasan PE, PMP, M.ASCE; Ron Richardson P.E., CA; Try Khou PE

Designing for Inland Waterway Operational Continuity Throughout High and Low Water Levels

Overcoming Operational, Construction & Design Challenges Widening the Dock Entrance at Boston Port, UK
Maury Schafer CEng MICE; Sergio Solera C.Eng, FICE; Peter Mullin Mill AE; Myles Bethell C.Eng, MICE; Stephen Van Eeden C.Eng, MICE; Charlie Bell C.Eng, MICE; Lorenzo Allevi C.Eng, MICE, M.ASCE


Bigger Isn’t Better – Managing Uncertainty to Phase the Pier B On-dock Rail Support Facility Nathan deSousa P.E., M.ASCE; Ron Richardson P.E., CA; Try Khou PE

Ground Improvements for Georgia Ports Mason Mega Rail Project Guoming Lin PhD, P.E., D.GE, F.ASCE; Christoper Novack PhD, P.E., Honor Hutton PE

Rail System Strategic Planning and Lessons Learned Through Major Events
San Francisco Floating Fire Station 35: Overview and Lessons Learned Erik Soderberg P.E., S.E., D.PE, M.ASCE; Leah Olson PE; Di Liu PE; Chris Stearns P.E., S.E., M.ASCE; Patrick Chang PE; Christina O’Heney EIT; Matthew McCarty P.E., S.E.

Moderator: Alex Mora P.E., D.PE, M.ASCE

New Graving Dock Design Considerations and Challenges Ajoya Malla MS, PE, M. ASCE; Alan Zhang ; Erik Soderberg P.E., S.E., D.PE, M.ASCE; Leah Olson PE; Di Liu PE; Chris Stearns P.E., S.E., M.ASCE; Patrick Chang PE; Christina O’Heney EIT; Matthew McCarty P.E., S.E.

Moderator: Phillipt Girouard P.E., M.ASCE

First Major U.S. Offshore Wind Staging Terminal: Planning, Engineering, and Construction
Elie Hasso P.E.; Carsten Agerbæk ; Joshua Singer PE; Matthew Trowbridge PE, SE, PEng

Geotechnical and Structural Adaptations for Seismic Design of New Ferry Terminal in Washington State Madan Karkkee PhD, PE, M.ASCE; Andrew Gastineau PhD, PE; Michael Chamberlain PE, M.ASCE; Garry Honevitz PE, LEG, M.ASCE; Andy Bennett PE, Todd Mooney PhD, PE

Large Scale Dry Bulk Terminal Expansion in the Heart of Vancouver, British Columbia Kevin Wong P.Eng.; Jorgen Franke P.Eng., CEM; Steve Yee P.Eng., M.A.Sc.; Keith Amsland P.Eng.

New Ferry Terminal Provides a Resilient Solution for a Needed Commuter Route
Craig Lewis S.E.; James Connolly PE, DPE; Chad Mason


2D and 3D Physical Model Testing Of Mega Port Projects Bill Papas P.E., D.PE, M.ASCE; Attila Bayram PhD, P.E., D.CE, M.ASCE; Mathew Power EIT; Sean O’Neill PhD, PE; Alicia Kaufman; Erika Rosenstein

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Moderator: Egbert van der Wal

Port Facilities Asset Management: Coping with Aging Infrastructure and Constrained Budgets
Henk Voogt A.M.ASCE

Port of Los Angeles Public Access Investment Plan and Implementation for the Los Angeles Waterfront Christine Honeybone P.E.; Sue Lai P.E.; Dina Aryan-Zahlan P.E., PMP

Ports - A Key Resiliency Hub – Before, During, and After the Storm Paul Tschirky PhD, PENG, DCE, MASCE; Steve Yee P.Eng.

Moderator: Jim Girouard P.E., M.ASCE

First Major U.S. Offshore Wind Staging Terminal: Planning, Engineering, and Construction
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New Ferry Terminal Provides a Resilient Solution for a Needed Commuter Route
Craig Lewis S.E.; James Connolly PE, DPE; Chad Mason
Track B - South Pacific 2
5D Port Planning & Operations

Track C - South Pacific 3
6C Port Engineering
5C Port Engineering
6E ASCE 61

Track E - Sea Pearl 1/2
6D Port Infrastructure
5E Seismic Design of Bulkheads

8:00 - 8:30 AM Refreshment Break (in Exhibit Hall)

8:30 - 10:00 AM Technical Sessions

Track A - South Pacific 1
5A Environmental

Track B - South Pacific 2
5B Port Engineering

Track C - South Pacific 3
5C Port Engineering

Track D - South Pacific 4
5D Port Planning & Operations

Track E - Sea Pearl 1/2
5E Seismic Design of Bulkheads

Moderator: Scott Fenicil P.E., D.CE, D.PE
Holistic Design of Resilient and Adaptive Waterfronts and Application in San Francisco Luce Basetti PHD, ENV SP, WEDG, GISP; Darren Milson CEng, MICE; Brad Benson

Innovative Approaches for Port-led Advance Mitigation and Mitigation Banking Dan Berlin PWS

Innovative Collection & Reporting for Marine Mammal Monitoring, Portsmouth Naval Shipyard Dry Dock 1 Alexander Pries; MS; Douglas Stewart; Ian Trefry; Kari Moore

Stabilization of Dredged Sediments: Enabling Beneficial Re-use Solutions in a Contaminated Port Tom Gillespie CPEng

Moderator: Scott Kuebler P.E., S.E., M.ASCE
Case Study - Lateral Pile Testing for Seismic Design in Unexpected Soil Conditions Benjamin Pesicka PE, SE; Lyle Stone PE, GE, M.ASCE; Timothy O'Neill

Joint Probability Extremal Analysis of Combined Storm Surge and Precipitation Craig Harter PE, A.M.ASCE; Patrick McLaughlin P.E., M.ASCE; Darren Price; Josh Carter P.E., D.CE, M.ASCE; Luis Maristanty P.E.

Palmer Station Antarctica Pier Replacement - Logistics and Design for Remote Construction TJ Schilling ; John Daley PE, SE

Toe Wall Design and Construction for Busy Container Berth Deepening Ilytomyr Sircar P.E., Alfredo Rivera P.E.; Leon Carillo

Modderator: Cheryl Covilizzo P.E., D.PE, M.ASCE
Berths 226-236 Terminal Redevelopment Construction Lessons Learned at the Port of Los Angeles Brian Correa ARF.M.ASC.E; Rosario Lauro EIT; Marco Sanchez P.E., M.ASCE; Omar Jaradat PHD, P.E., D.PE, M.ASCE; Anul Arulmoli PhD, P.E., G.E., FASCE

Fender System Construction Using Cluster Drilling: Case Study of the New Goethals Bridge Mina Mkaeal PE; Ioanist Sokratis Drakatos PhD; John Waldorf ; Suheil Lahdo-Abd ; Abdulrasool Attar

Hawaii’s New Container Terminal for the 21st Century Honolulu Harbor, Oahu, Hawaii Dean Kokubun

Water Injection Dredging, a Cost-effective Force of Nature Robert Wagner PE, DNE, BCE, M.ASCE

Moderator: Jonathan Armbruster PE, MS, M.ASCE
Modeling Structural Alternatives to Reduce Navigation Channel Shoaling in Waukegan Harbor, Illinois Liwhea Lin ; Zeki Demirblek

Real-time Vessel Navigation Simulations in Design of Naval Station Channel Reconfiguration Gwen Lawrence

SMART Planning and Deep Draft Navigation: Houston Ship Channel Expansion Channel Improvement Project Ashley Judith P.E., MS, M.ASCE; Lori Brownell P.E., D.NE, M.ASCE; Dana Cheney; Richard Ruchhoeth P.E., M.ASCE

When a Breakwater Does Not Look Like a Breakwater by Emulating Nature Jack Cox

Moderator: Edward Stehmeyer P.E., M.ASCE
Hugh K. Leatherman Terminal – Site Preparation, Surcharge Program, Utilities and Foundation Design Edward (Butch) Weber P.E., M.ASCE; Lucy Terza P.E., M.ASCE; Ryan Keiper PE, SM, M. ASCE

Hugh K. Leatherman Terminal – A Mega Project Success Nearly 20 Years in the Making Edward (Butch) Weber P.E., M.ASCE; Lucy Terza P.E., M.ASCE; Andrew Thiess PE, PMP; Edward Stehmeyer P.E., M.ASCE

Hugh K. Leatherman Terminal – Transforming a Former Naval Facility into a Modern Container Terminal Edward Stehmeyer P.E., M.ASCE; Edward (Butch) Weber P.E., M.ASCE; Mark Messersmith CEM

Hugh K. Leatherman Terminal – Wharf Extension Design Considering Phase 1 Lessons Learned Craig McGillivray P.E., M.ASCE; Ryan Keiper PE, SM, M. ASCE; Lucy Terza P.E., M. ASCE

10:00 - 10:30 AM Refreshment Break (in Exhibit Hall)

10:30 - 12:00 PM Technical Sessions

Track A - South Pacific 1
6A Environmental

Track B - South Pacific 2
6B Port Engineering

Track C - South Pacific 3
6C Port Engineering

Track D - South Pacific 4
6D Port Infrastructure

Track E - Sea Pearl 1/2
6E ASCE 61

Moderator: Kirk Riden P.E., M.ASCE
Keeping the Vision: A Small Port’s Journey to Comprehensive Remediation of a Wood Treating Site Joshua Elliott PE; Laurie Olin


Maryland Port Administration, Dundalk Marine Terminal, Resiliency for an Active RD/RO Terminal John Schirmer PE; Steven Johnson PE

Military Installation Coastal Resiliency Planning and Adaption Alternative Communications Alex Viana PMP, John Ouellette

Moderator: Scott Schlechter P.E., G.E., M.ASCE
Design of Concrete Deep Draft Captured Camels Catrina Walter P.E., M.ASCE; Clinton Branlund PE, SE,M.ASC.E; Tyson Boling PE; David Gibson PE

Pier Design Using Coupled Orthogonal Lateral Systems for Liquefaction and Seismic Loading Justin Rygel PE, SE, MS; Benjamin Pesicka PE, SE


Moderator: David Mrowiacek P.E., M.ASCE
Cellular Cofferdam Pier Rehabilitation Design Timothy Smith P.E.; Matthew Page P.E.

Geospatial Technologies in Action at the Port of Long Beach Miguel Hernandez P.E., M.ASCE

Multi-scale Numerical Simulation of Tsunami-driven Debris Field Impacts Justin Bonus MS; Pedro Arduino PhD; Marc Eberhard PhD; Michael Motley PhD, PE

PED Crane and Infrastructure Upgrade Project: Overview and Lessons Learned Erik Soderberg P.E., S.E., D.PE, M.ASCE; Sugarto Loni ; Claude Gentil PE; Anun Bhimani PE, SE

Moderator: Noah Elwood, P.E., D.OE, D.PE, M.ASCE
21st Century Opportunities, Hazards, Roles, and Responsibilities Facing the Nation’s Water Resources Joe Manous PhD, P.E., D.WRE, F.EWRI, Dist.M.ASC.E; Elizabeth Collins Burkhart P.E., D.PE, F.ASCE

Coastal Practice for Flood Resiliency Projects Xiao (Steven) Li PE, PhD; Abbas Sarmad P.E.

How U.S. West Coast & Hawaii Ports Can Prepare for the Unique Requirements of Floating Offshore Wind Carly Willmott P.E., M.ASCE

Traffic Management While Building New Gerald Desmond Bridge and Middle Harbor Container Terminal Rajeev Seetharam P.E., T.E., CPE; Peter Kim P.E., T.E.; Theresa Dau-Ngo AICP

Moderator: Pooja Jain, P.E., P.Eng, S.E., M.ASCE

Modderator: Jack Cox
Keeping the Vision: A Small Port’s Journey to Comprehensive Remediation of a Wood Treating Site Joshua Elliott PE; Laurie Olin


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Hugh K. Leatherman Terminal – Wharf Extension Design Considering Phase 1 Lessons Learned Craig McGillivray P.E., M.ASCE; Ryan Keiper PE, SM, M. ASCE; Lucy Terza P.E., M. ASCE
PNEC 2022 proceedings

Wednesday, September 21

Moderator: Donald Oates P.E., P.Eng., D.P.E., DBIA, M.ASCE
PNCWG 175-Practical Guide to Environmental Risk Management for Navigation Infrastructure Projects
John Lally P.E., M.ASCE; Man Vanwaterenheem; Amy Parry; Todd Bridges Ph.D.; Rebecca Gardner P.E.; Burton Suedel; Kevin Kane Ph.D.; Kevin Allen

Planning for the Upper Mobile Bay
Beneficial Use Wetland Creation Site Mary Beth Sullivan
Port Houston: The Business Case for Emissions Reduction Strategies
Vijaykumar Agrawal P.E., M.ASCE; Adithya Dahagama
Port of Los Angeles Resiliency in Capital Improvement Projects
Adrienne Newbold

12:00 - 1:00 PM
Exhibit Hall lunch

1:00 - 2:30 PM
Technical Sessions

Track A - South Pacific 1
7A Environmental
Moderator: Paul Roberts P.E., M.ASCE
Conely Terminal Soil Reclamation and Reuse Program: A Story of Successful Contaminated Material Management
Been Gladstone P.E., LSP; Nhuy Hoang; Chester Myers

MDOT MPA’s Innovative Reuse and Beneficial Use of Dredged Material Program
Walter Diniola P.E.
Salmon Habitat Restoration Design and Permitting at Vigor Shipyards, Seattle Erin Murray; Johnathan Cook P.E.; Scott Stainer PE; Kate Snider PE

Track B - South Pacific 2
7B Port Engineering
Moderator: Michael Wray P.E., M.ASCE, LEED AP
Equinor South Riding Point Sea-island

Innovative Deepening of Maher Container Terminal Berths 64/66
Christopher Lawrence; Songtao Yang PE PhD; Arundhati Bhosle P.E.; Louis Allor C.P.E

Toe Wall Analysis, Design, Installation and Troubleshooting at the Port of Hueneme
Adam Bergman P.E., M.ASCE; Sean Story PE; Christina Birdsey 4883677; Todd Graham D.PE, M.ASCE

Towards Performance-based Seismic Design of Shiploaders
Maged Ghali M.Eng., P.Eng.; Shenier Sakla MSc, PhD, PE, P.Eng.

Track C - South Pacific 3
7C Port Engineering
Moderator: Michael Wray P.E., M.ASCE, LEED AP
A Sea Level Rise Resilient Design for the Royal Hawaiian Grain Scott Sullivan MS; David Smith Ph.D., P.Eng., M.ASCE

Development of Major Ferry Homeport in Dense Urban Waterfront
David Jones P.E.; Simon Bentzfeld; Stephen Famularo PE, D.PE

From 2D to 3D: modeling to Refine Design of a New King-pile Bulkhead
Cheryl Covello P.E., D.PE, M.ASCE; Yixing Yuan PE; Dino Fiscalletti PE

Humboldt Bay Offshore Wind Port Assessment
Aaron Porter P.E., M.ASCE; Shane Phillips; Michelle Gastic MS

Track D - South Pacific 4
7D Port Infrastructure
Moderator: Sean Chapman P.E., A.M.ASCE
Remote and Robust - Reinforcing a Marine Berth to Withstand the Bering Sea at Eareckson Air Station
Noah Elwood P.E., M.ASCE

Port of Los Angeles Berth 83 Town Square Project - Design, Construction, and Impact of High Seismicity
Mccullough P.E.; Linn Lebel P.E.

New Shiploader Foundations Within Existing Post-tensioned Wharf in Region
Abhishek Sharma PhD

Track E - Sea Pearl 1/2
Moderator: Elizabeth Collins Burkhart P.E., D.PE, F.ASCE
New ASCE/COPRI Design Standards for Piers and Wharves Committee Interaction and Owners Perspective
Moderator: Omar Jaradat PhD, P.E., D.PE, M.ASCE


2:30 - 3:30 PM
Speaker Check-in - Kahili 1/2

3:00 - 5:00 PM
YP Competition

6:00 - 8:30 PM
Gala - Bishop Museum

7:30 - 8:00 PM
Student Awards

Wednesday, September 21

6:00 - 8:30 AM
Registration

6:30 AM - 1:00 PM
Exhibit Hall Hours - Coral Hall

6:30 - 8:00 AM
Technical Sessions
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<th>10A Project Delivery</th>
<th>10B Port Engineering</th>
<th>10C Port Planning &amp; Operations</th>
<th>10D Equipment and Systems</th>
<th>10E Reserved for Local Topics</th>
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<tr>
<td>Port of Long Beach Middle Harbor Terminal: A Collaborative Approach to Port Project Delivery Monique Lebrun PE, M.ASCE; Ashebir Jacob P.E., M.ASCE; Reza Alamir P.E., M.ASCE; Cesar Larros PE, CCM</td>
<td>Soil Liquefaction and Kinematic Loads Evaluation for Seismic Design of Pier in Slopes King Chin P.E., M. ASCE; Yanbei Zhang Ph.D, PE</td>
<td>Planning Waterfront Emergency Response Facilities with the Future in Mind Craig Lewis S.E.; Satish Chilka P.E.; Magdalena Ryor PhD, LEED AP, BD+C, CCM, PMP</td>
<td>Maintaining the Historic Alaska Marine Highway System Jordan Fural PE; Robert Davies PE; Bradley Syler P.E., S.E., M.ASCE</td>
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<td>Recapitalization of a 40 Year Old Dry Dock: Project Insights, Risk Management, and Team Building John McCoy P.E., M.ASCE; Michael Brongel P.E.; Amy Hoffer P.E.; Daniel Cloutier P.E.</td>
<td>Successful Implementation of Award-Winning FRP Monopiles for Jamestown-Scotland Ferry terminals Carey Sechler</td>
<td>Small Ports in Transition - Port of Woodland, Washington Scott Keillor AICP; Jennifer Wray-Keene ; Brian Carrico AICP; Sam Roberts AICP</td>
<td>Port of Long Beach: Transforming Terminal Infrastructure and the Push to Zero Emissions Fred Patricio ; Not Applicable ; Morgan Caswell MPH</td>
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<td>Strategic Waterfront Infrastructure Investment Plan for Joint Base Pearl Harbor-Nicknam Daniel O’Connor P.E., M.ASCE; Daniel Stromberg S.E., P.E., M.ASCE</td>
<td>Upgrades and Extension of Service Life for Dry Dock 1 at Naval Base San Diego Henrik Dahl PE; James Connolly PE, DPE; Victor Tizardo PE; Alberto Sanchez PE</td>
<td>Systematic Approach to Predicting Remaining Service Life of U.S. Navy Piers James Connolly PE, DPE; Anne-Marie Langlois P.Eng., PE; Henrik Dahl PE; Alberto Sanchez PE; Monica Martinez-Manuri</td>
<td>The Go Cong International Port and Landside Development Reece Shaw P.E.; Khang Dang BS</td>
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