

Tuesday - October 18, 2022				
Room: Oceans 9 Construction		PDHs		Room: Oceans 10 Machinery
	Monitor: Adrian Soltys			Monitor: Iqbal Biln
8:30-9:15	Rehabilitation of a Strauss Overhead Counterweight Trunnion Bascule Bridge for Canadian National Jonathan Eberle		8:30-9:15	Union Pacific Railroad West Colton Yard Transfer Table Replacement (Rail) Reid Hoffman, Kyle Gable
9:20-10:05	Movable Bridge Remote Operation Best Practices: As Learned from CSX CMAR Automation Program Stephen Shortridge, Samir Abdo		9:20-10:05	Application of Differentials in Movable Bridges Lawrence Nash
10:05-10:35	Break		10:05-10:35	Break
10:35-11:20	AASHTO/AREMA vs. the International Design Approach Paul Skelton		10:35-11:20	Enclosed Gear Reducers: Long term Storage and Inspections Tim Mattice
11:25-12:10	Norfolk Southern Curved Tread Replacement (Rail) Andrew Cestaro, Nick Bayer, and Matt Cassera		11:25-12:10	Support Machinery Replacement: Modifications vs. In-Kind and Lessons Learned from Two Projects Steve Mikucki
12:15-1:50	Lunch - Monitor: Iqbal Biln		12:15-1:50	Lunch - Monitor: Steve Shaup
1:50-2:35	Rehabilitation of a Strauss Overhead Counterweight Trunnion Bascule Bridge for Canadian National Jonathan Eberle		1:50-2:35	Union Pacific Railroad West Colton Yard Transfer Table Replacement (Rail) Reid Hoffman, Kyle Gable
2:40-3:25	CSX CMAR Movable Bridge Automation Program (Rail) Stephen Shortridge		2:40-3:25	Application of Differentials in Movable Bridges Lawrence Nash
3:25-3:55	Break		3:25-3:55	Break
3:55-4:40	AASHTO/AREMA vs. the International Design Approach Paul Skelton		3:55-4:40	Enclosed Gear Reducers: Long term Storage and Inspections Tim Mattice
4:45-5:30	Norfolk Southern Curved Tread Replacement (Rail) Andrew Cestaro, Nick Bayer, and Matt Cassera		4:45-5:30	Support Machinery Replacement: Modifications vs. In-Kind and Lessons Learned from Two Projects Steve Mikucki
Room: Oceans 11 Hydraulic Systems		PDHs		Room: Oceans 12 Electrical/Mechanical Systems
	Monitor: Stewart Hingle			Monitor: Mon Tapalla
8:30-9:15	A Hydraulic Temporary Operating System at the Erie Avenue Lift Bridge over the Black River Robert Tosolt		8:30-9:15	Design Considerations and Challenges for Remote Operation of Three Movable Bridges Raymond Lopez
9:20-10:05	Gearless Hydraulic Direct Drives for Rotary Pinion Drives Ashok Amin		9:20-10:05	CSX New River Bascule Bridge Emergency Coupling Replacement (Rail) Robert Algazi, David Nyarko, Amaka Anderson, Roger Khouri
10:05-10:35	Break		10:05-10:35	Break
10:35-11:20	Hydraulics & Controls for The GREENVILLE YARD TRANSFER BRIDGE NO. 10 Robert Ferrara		10:35-11:20	Various Movable Bridges Local Centralized Control and Operation Joseph Strenkoski
11:25-12:10	Hydraulic Conversions of Movable Bridges Geoffrey Forest	NY	11:25-12:10	Movable Bridge Operational Testing Strain Gage and Electrical Load Recordings Case Studies and Lessons Learned Ryan Kanagy, Ralph Giernacky, Yang Zheng
12:15-1:50	Lunch - Monitor: Ron Sanchez		12:15-1:50	Lunch - Monitor: Emily Milelich
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Room: Oceans 9 Ownership		PDHs		Room: Oceans 10 Structures	PDHs
	Monitor: Greg Newman			Monitor: Lin Xu	
8:30-9:15	Can Access be in Excess?			8:30-9:15	106th Street Bascule
9:20-10:05	Julia Bruce and Avon-by-the-Sea			9:20-10:05	Brian Santosuosso, Paul Bandlow Reactivation of the Veterans Memorial Bridge
	Joseph Strafaci				Michael Delemont
10:05-10:35	Break			10:05-10:35	Break
10:35-11:20	Successful Rehabilitation of Movable Bridge Through Design Build Process			10:35-11:20	Integrated 3D Design of Heavy Movable Structures
	Eric Kelly, Warren Howard	NY			Amanda Ruyack
11:25-12:10	Southwest 1st Bascule Bridge Replacement			11:25-12:10	I Street Vertical Lift Bridge Concept Development and Design
	Andrew Barthle				Kevin Johns, Todd Stephens
12:15-1:50	Lunch -			12:15-1:50	Lunch -
	Monitor: Matt McGuire				Monitor: Tom Darlington
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	Andrew Barthle				Kevin Johns, Todd Stephens
Room: Oceans 11 Hydraulic Systems/Ownership/Construction		PDHs		Room: Oceans 12 Electrical Systems	PDHs
	Monitor: Matt Cassera			Monitor: Iqbal Biln	
8:30-9:15	Noteworthy Aspects of the East Michigan St. Hydraulic Rehabilitation			8:30-9:15	Bridge Control System Upgrade(s): Three bascule bridges in three years, lessons learned
	Kevin Ciampi				Tye Aldana, Jacqueline Henry
9:20-10:05	Modern Concepts for Movable Bridge Hydraulics			9:20-10:05	St. Lawrence Seaway Management Corporation (SLSMC) Remote Operation of Locks and Bridges
	Evan Dimmering				Leonard Swift, Claude Fontaine
10:05-10:35	Break			10:05-10:35	Break
10:35-11:20	MBTA Gloucester Drawbridge Construction Challenges Due to Changing Constraints			10:35-11:20	Wireless Local Station (WLS) for Bridge Control
	John Williams, Joe Knapp				Claude Fontaine
11:25-12:10	Implementation Considerations for Remote Operations of Movable Bridges			11:25-12:10	Cybersecurity and What is Means to Movable Bridges
	Rob Moses, Raphael Costa				Jonathan Kohler
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	Monitor: Mon Tapalla				Monitor: Irvin Lopez
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Thursday - October 20, 2022					
	Room: Oceans 9 Construction		PDHs	Room: Oceans 10 Machinery	PDHs
	Monitor: Bob Frawley			Monitor: Steve Shaup	
8:30-9:15	Bridge 6 Major Rehabilitation Damian Nieznalski, Mario Palumbo			8:30-9:15 The Maintenance of Wire Rope Systems for Movable Structures Timothy W. Klein, Andrew Thompson	NY
9:20-10:05	CSX Curtis Bay Dumper 3 Ryan Sullivan, Matt Cassera			9:20-10:05 Enclosed Gear Reducers for Movable Bridges Steve Szychowski	
10:05-10:35	Break			10:05-10:35 Break	
10:35-11:20	Bridge 6 Major Rehabilitation Damian Nieznalski, Mario Palumbo			10:35-11:20 Applying Machine Learning for Predictive Maintenance of Movable Bridge Systems Andrew Barthle	
11:25-12:10	Port NOLA - St Claude Ave Strauss Bascule Bridge - 1st Link Pin-Joint Rehabilitation Jim Holtje, Geoffrey Forest			11:25-12:10 Emergency Response: Bascule Bridge Drivetrain Failure Ralph Giernacky, Krishna Mehta, Wayne McLennon	
12:15-1:50	Lunch -			12:15-1:50 Lunch -	
	Room: Oceans 11 Structures/Hydraulics		PDHs	Room: Oceans 12 Machinery	PDHs
	Monitor: Steve Mikucki			Monitor: Christopher LeBourgeois	
8:30-9:15	Movable Bridge Solutions with ACROW Panel Bridge Systems Scott Patterson, Michael Parciasepe			8:30-9:15 3D Simulation and Crash Testing of Resistance Barrier Gates George Zimmer	
9:20-10:05	Open			9:20-10:05 Hamlet Swing Bridge and Fixed Bridge Replacement Jeffrey Keyt	
10:05-10:35	Break			10:05-10:35 Break	
10:35-11:20	Aluminum Orthotropic Deck Update George Patton, Greg Harrell			10:35-11:20 Data Logging and Monitoring Solutions for Movable Bridges Farid Amador, Shadi Ammar, Ahmad Mohamad	
11:25-12:10	Open			11:25-12:10 TBD	
12:15-1:50	Lunch -			12:15-1:50 Lunch -	NY