

Casco Bay Island Transit District Vessel Advisory Committee

Fleet Evaluation Project

Proposed New Peaks

Ferry Final Design

Jan. 26, 2021



Welcome

- Meeting is being recorded
- Chair: Twain Braden (CBITD Board President)
- Presenters:
 - Hank Berg (CBITD - General Manager)
 - Paul Pottle (CBITD - Director of Projects)
 - John Waterhouse (EBDG - Principal)
 - Matt Williamson (EBDG - Project Manager)
- Committee introductions
- Agenda includes time for public and Committee feedback
- Feedback can also be sent to
FleetEvaluationProject@cascobaylines.com

Meeting Norms

- Everybody will be able to see the Committee and presentation
- To reduce background noise all will be muted until called upon
- Raise virtual hand to speak at appropriate time

Meeting Scope

Scope of this meeting includes:

- Review of project progress to date
- Discussion and feedback on those fixtures and finishes that were not determined in the Preliminary Design Report (PDR) and that can still be updated at this point in the design process. These include:
 - Ceiling materials
 - Seating materials
 - Seating arrangement on decks
 - Windows
 - Lighting

Meeting Scope

The scope *does not* include:

- Reconsideration of the PDR specifications
- CBITD projects or initiatives that have been, or would need to be, considered separately by the Board of Directors (e.g. priority boarding, reservations, etc.)
- Anything that would fall outside of the purview of CBITD

Meeting Objectives

- Provide an overview of the project to date, including new vessel final design, and review next steps
 - Outcome: A shared understanding of the final design and next steps
- Solicit VAC and public input on final design features listed in “Meeting Scope”
 - Outcome: A record of VAC and public feedback on final design features listed in “Meeting Scope”

Agenda

- Roll Call
- Project Background
 - Funding Overview
 - PDR Specifications
 - Propulsion System Update
- Presentation of Final Vessel Design
 - New Vessel Conceptual Diagram and Deck Layouts
 - Final Design Items For Feedback*
- Overview of Feedback Received from the Public prior to meeting*
- Public Comment (limit 3 minutes maximum per person)*
- Committee Discussion/Questions
- Next Steps

*Review/feedback limited to those items listed in Meeting Scope.



Roll Call



Project Background

A detailed map of Casco Bay, Maine, showing numerous islands and surrounding waters. Overlaid on the map are several colored lines representing ferry routes: a solid red line, a dashed blue line, a dotted red line, and a dashed green line. The text 'Funding Overview' is centered in a large, red, serif font.

Funding Overview

New Vessel Cost Estimates

- Design: \$1.08M
- Construction: \$15.15M
 - Vessel: \$8.65M
 - Propulsion: \$5.30M
 - Shore Side Charging: \$1.20M
- Total: \$16.23M

New Vessel Funding Sources

- Replacement vessel funding: **\$16.23M**
 - Funding sources secured
 - FTA urban discretionary: **\$9.50M**
 - FTA urban formula: **\$3.20M**
 - MDOT (VW Settlement): **\$1.15M**
 - MaineDOT: **\$0.75M**
 - MARAD: **\$0.75M**
 - City of Portland: **\$0.59M**
 - CBITD: **\$0.29M**



Preliminary Design Report Specifications

Approved by CBITD Board on 06/25/2020

PDR Specifications

- 164'x40' with a 7.5-foot draft
- United States Coast Guard Subchapter K
- Double Ended
- Single Wheelhouse
- Diesel Electric Hybrid Propulsion (contingent on funding award)
- Maximum: 599 passengers*/15 (8.5' x 20') vehicles
- Fits Existing Pier Infrastructure
- Light Ship Weight – 500 LT
- Designated Spaces for Freight/Carts/Bikes/Etc.

* Current Passenger Capacity Policy Approved by CBITD Board:

- Portland to Peaks: 499
- Peaks to Portland: 599

A detailed map of Casco Bay, Maine, showing numerous islands and surrounding waters. The map is overlaid with a semi-transparent white box containing the title. The title is written in a large, red, serif font. The map background shows various islands such as Peaks Island, Great Diamond Island, and others, with some areas highlighted in yellow and blue. The title 'Propulsion System Update' is centered on the map.


Propulsion System Update

Propulsion System Update

- In July 2020, CBITD was **awarded ~ \$4 million** to fund the 900-kWh diesel electric hybrid propulsion system
 - \$3.2M to procure the technology through the FTA's competitive Passenger Ferry Grant program (49 U.S.C. 5307(h)). The project was one of only 12 across the nation awarded funds.
 - \$750K through the U.S. DOT's Maritime Environmental and Technical Assistance (META) Program. MARAD will assess efficiency data and do additional testing and reporting on the hybrid engine and battery charging systems for use by others in the maritime industry.
- Propulsion RFP released and ABB selected to provide diesel electric hybrid propulsion system to shipyard

A detailed map of Casco Bay, Maine, showing numerous islands and surrounding waters. Overlaid on the map are several colored lines representing different vessel routes: a red line, a blue line, a purple line, and a green line. The text 'Presentation of Final Vessel Design' is centered over the map in a large, bold, red, italicized font.

Presentation of Final Vessel Design

A detailed map of Casco Bay, Maine, showing numerous islands and surrounding waters. Overlaid on the map are several conceptual diagrams: a red dashed line tracing a path around the western and northern shores; a blue dashed line connecting several central islands; a green dashed line forming a large loop around the eastern side of the bay; and a yellow dashed line forming a smaller loop around a group of islands in the southeast. The text 'New Vessel Conceptual Diagrams' is centered over the map in a large, red, serif font.

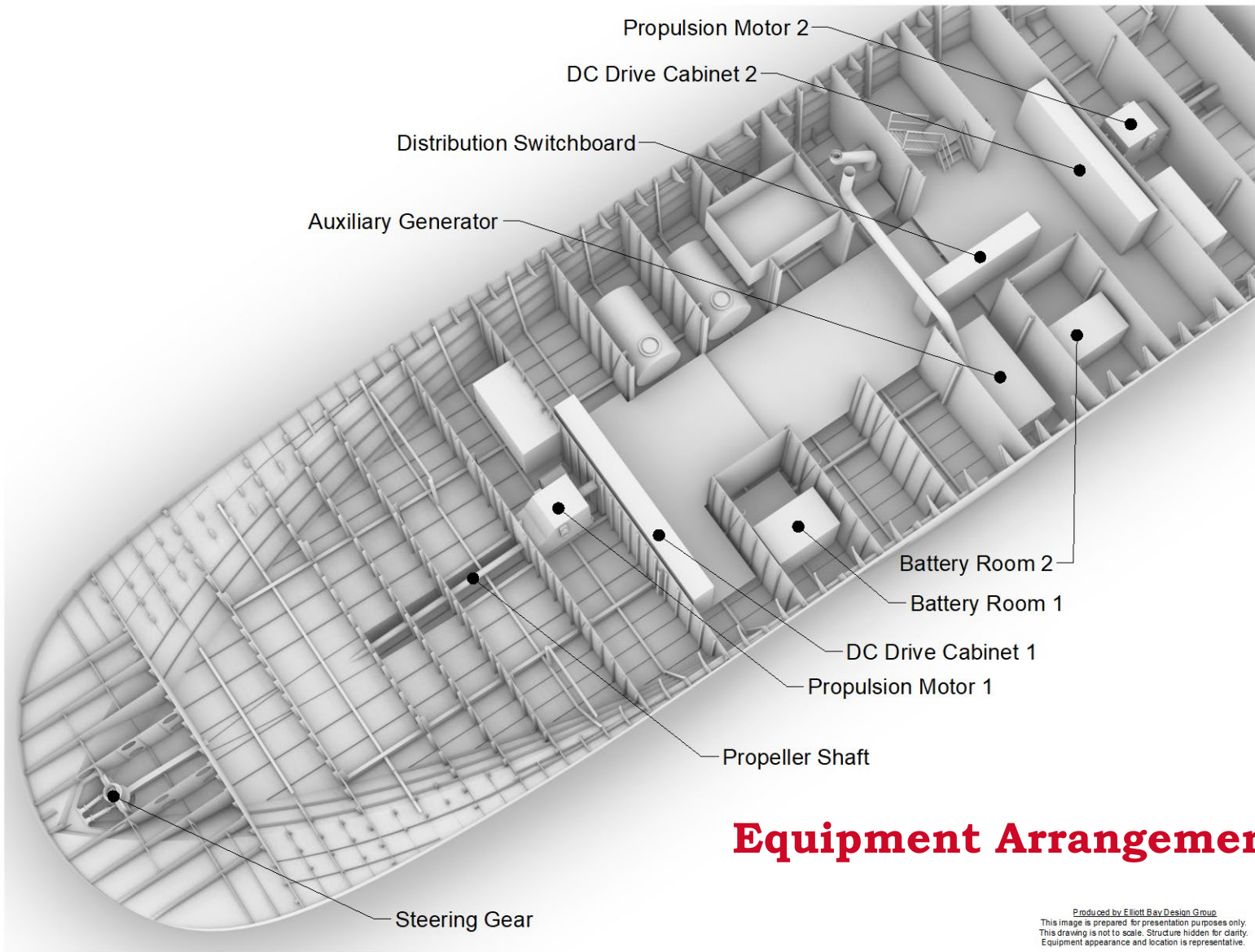
New Vessel Conceptual Diagrams

New Vessel Side A



New Vessel Side B





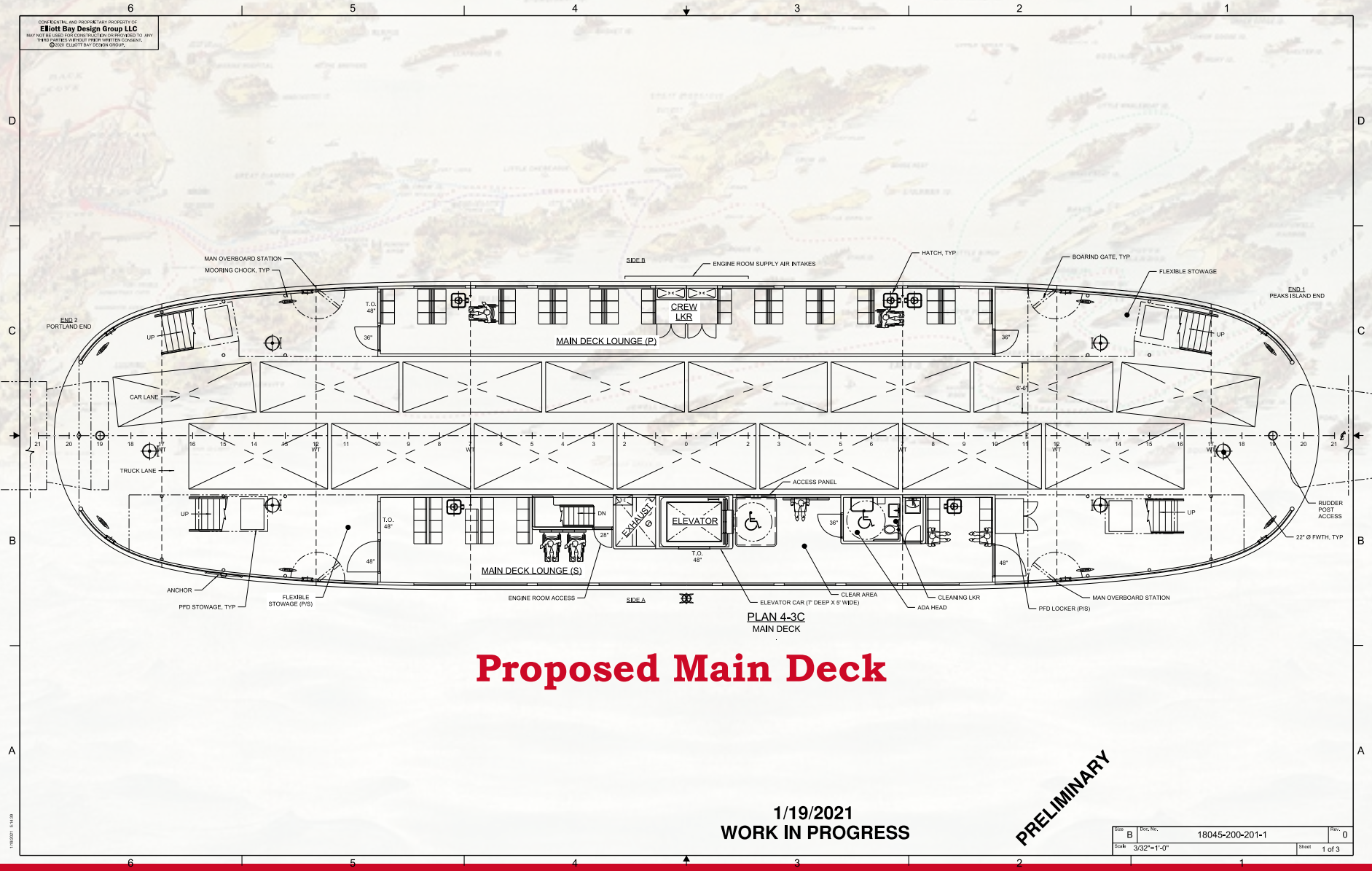
Equipment Arrangement

Produced by Elliott Bay Design Group
This image is prepared for presentation purposes only.
This drawing is not to scale. Structure hidden for clarity.
Equipment appearance and location is representative.

A detailed map of Casco Bay, Maine, showing numerous islands and surrounding waters. The map is overlaid with various colored lines and shapes representing design items for feedback. A prominent red dashed line traces a path through the bay, connecting several islands. Other lines in blue, green, and purple highlight specific areas and routes. The text "Final Design Items for Feedback" is centered over the map in a large, red, serif font.

Final Design Items for Feedback

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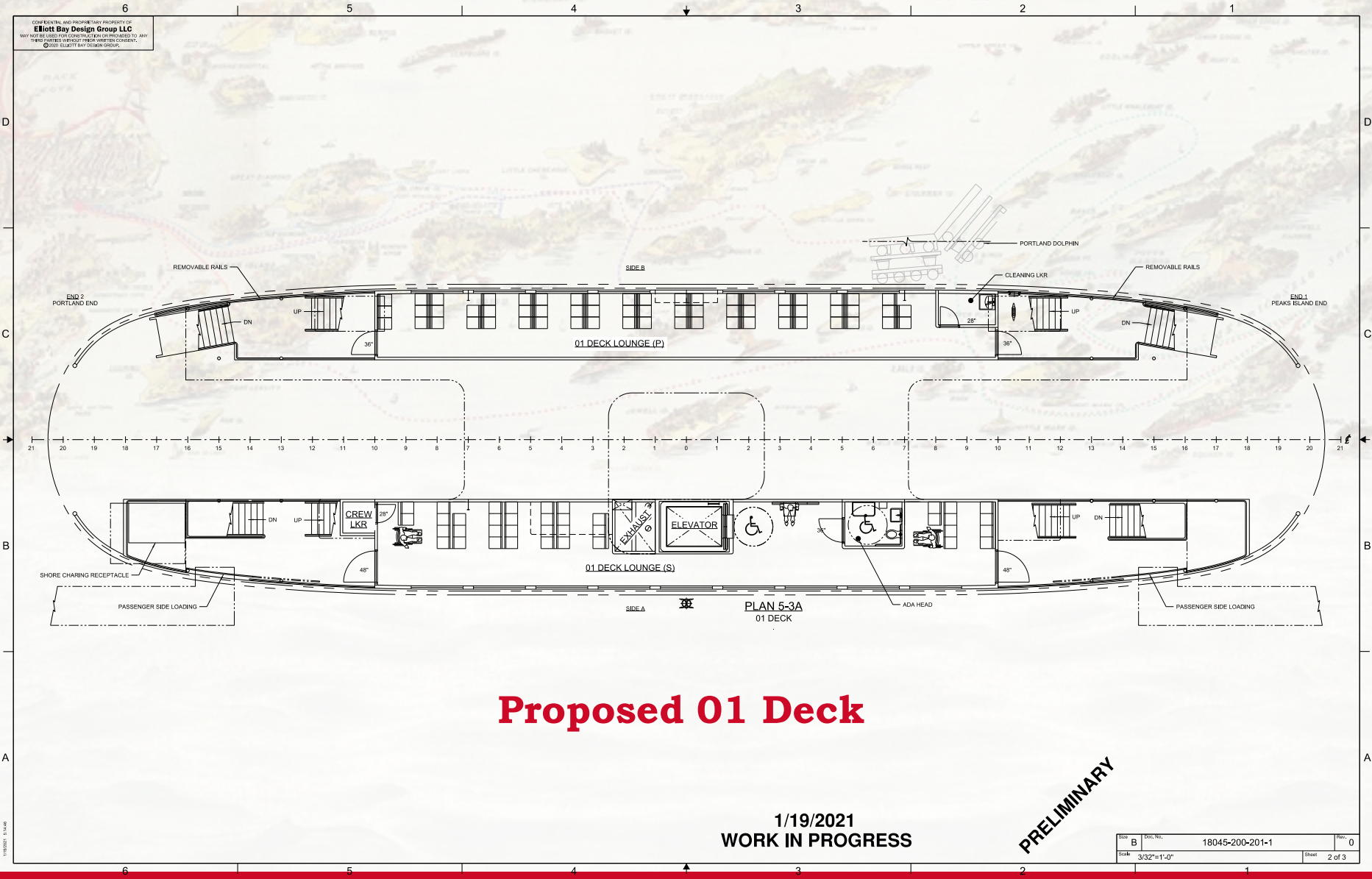
Proposed Main Deck

1/19/2021
 WORK IN PROGRESS

PRELIMINARY

Sheet	B	Proj. No.	18045-200-201-1	Rev.	0
Scale	3/32"=1'-0"		Sheet	1 of 3	

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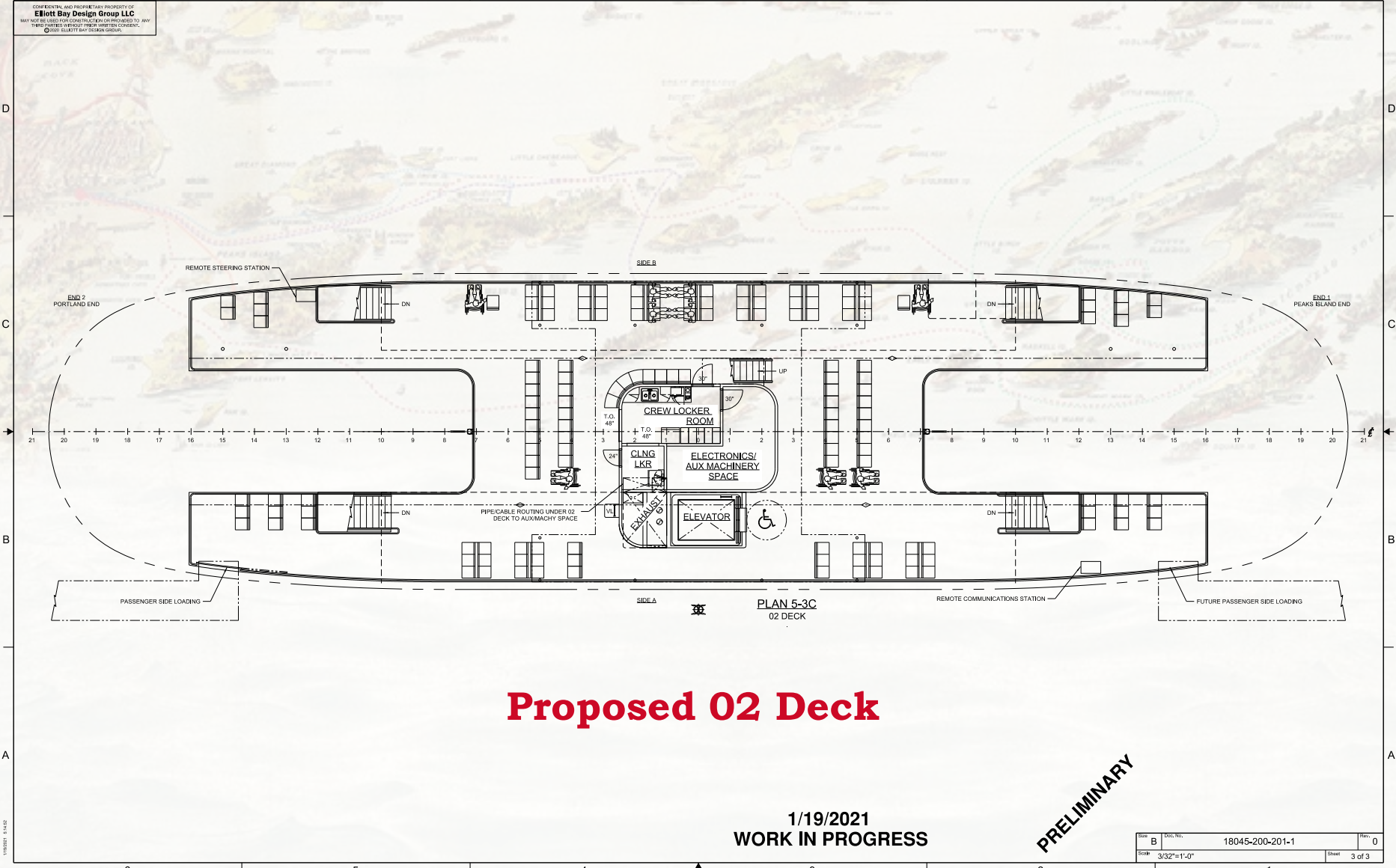
Proposed 01 Deck

1/19/2021
 WORK IN PROGRESS

PRELIMINARY

Size	B	Doc. No.	18045-200-201-1	Rev.	0
Scale	3/32" = 1'-0"			Sheet	2 of 3

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Proposed 02 Deck

1/19/2021
 WORK IN PROGRESS

PRELIMINARY

Sheet	B	Proj. No.	18045-200-201-1	Rev.	0
Scale	3/32"=1'-0"			Sheet	3 of 3



Ceiling & Seating Similar to Machigonne II



Plank Style Ceiling with Linear Lighting



Tiled Ceiling with Alternative Bench Style



Plank Style Ceiling with Linear Lighting

A detailed map of Casco Bay, Maine, showing numerous islands and surrounding waters. The map is overlaid with a semi-transparent white box containing the title text. The title is written in a bold, red, italicized serif font. The map shows various islands such as Peaks Island, Great Diamond, and others, with some areas highlighted in yellow and blue. The overall background is a light, textured map of the bay area.

Overview of Public Feedback Received to Date

Public Comment Period

- **Be recognized before speaking:**
 - “Raise your hand” or *3 for call in users
 - You will hear a notification that you have been unmuted
 - After you hear the message please state your **name and affiliation**
- **Allow others to be heard:**
 - 3 minutes allowance
 - Limited to one time
- **Stay focused on the topic under discussion:**
 - Feedback on those fixtures and finishes that were not determined in the PDR
- **Questions will be recorded, and answers posted on website to the extent possible**
- **Emails can be sent to FleetEvaluationProject@cascobaylines.com**

Public Input Policy & Delivery of Comments to Board

- All feedback relating to the scope of this meeting will be provided to the Board of Directors for their consideration
- Public feedback is one of many factors the Board will weigh in their consideration of proceeding to construction
- Don't assume any discussion with crew/shoreside staff will be included as part of the process



Committee Discussion/Questions

Next Steps

- Compile feedback
- Board consideration and action in February
- With Board approval, staff will proceed with:
 - RFP for construction
 - Shipyard selection
 - Construction & delivery
 - Machigonne II disposition consideration

Thank You!

