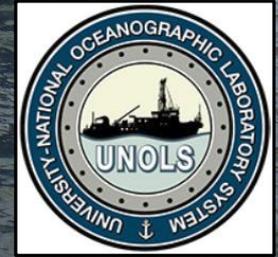


R/V Savannah Mid-life Refit



The University of Georgia.

Skidaway Institute
of Oceanography



Vessel Build

- Delivered to Skidaway in September 2001 (22 yrs ago)
- \$3.1 Million project funded by:
 - USG BOR – Capital Improvement
 - NSF – ship supplied equipment grant
 - SkIO institutional funds
- 92' LOA
- 27' beam

Planning Timeline

2017

First pitch to UGA and BOR

2018

Ship Advisory Committee

Science Advisory Committee

2019

Condition Survey - LP&A

1st State budget request

2020

Commitment from UGA for 1:1 match with SKIO funds

2021

Design and engineering contract executed with C-Job

2022

State B-budget award \$2M

D&E phase

Shipyard RFP

Procurement

Major Projects

Service Life Extension

- Main engine and transmissions
- Generators
- Main switchboard
- Bow thruster
- Tank/bilge resurfacing
- Pipe replacement
- HVAC modifications

Mission Enhancements

- Main deck extension
- A-frame modifications
- J-frame modifications
- Transducer well modifications
- Accommodation upgrades
- Lab upgrades
- Dynamic Positioning (DP1)

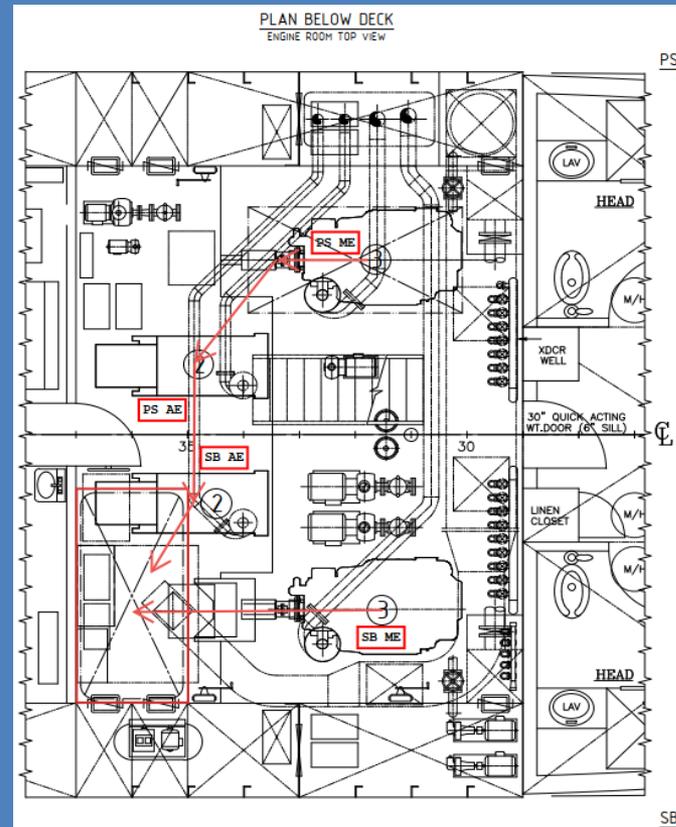
Engine Room

Mains CAT C18



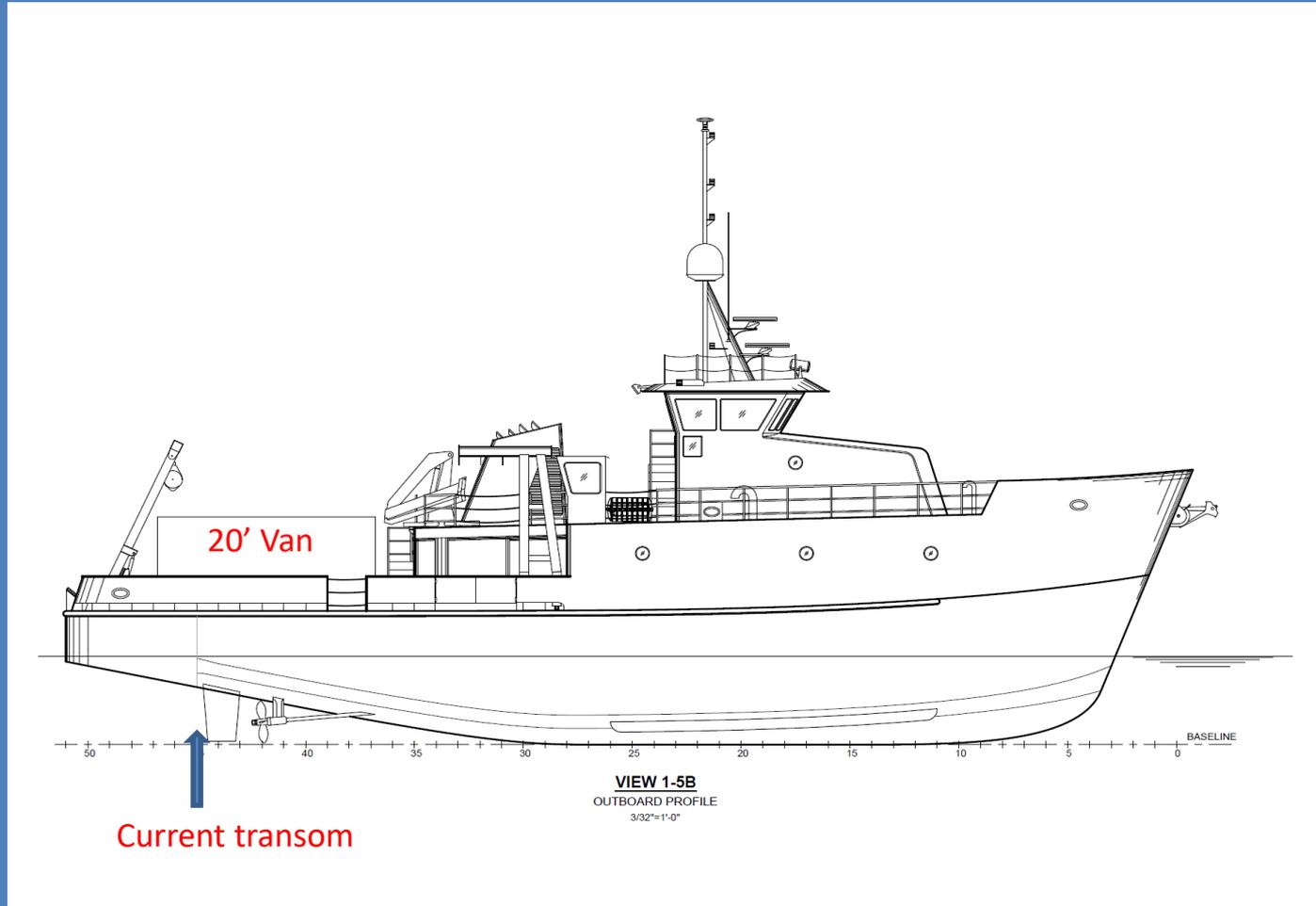
Removal/installation concept 1

Gens CAT C4.4 118 kW



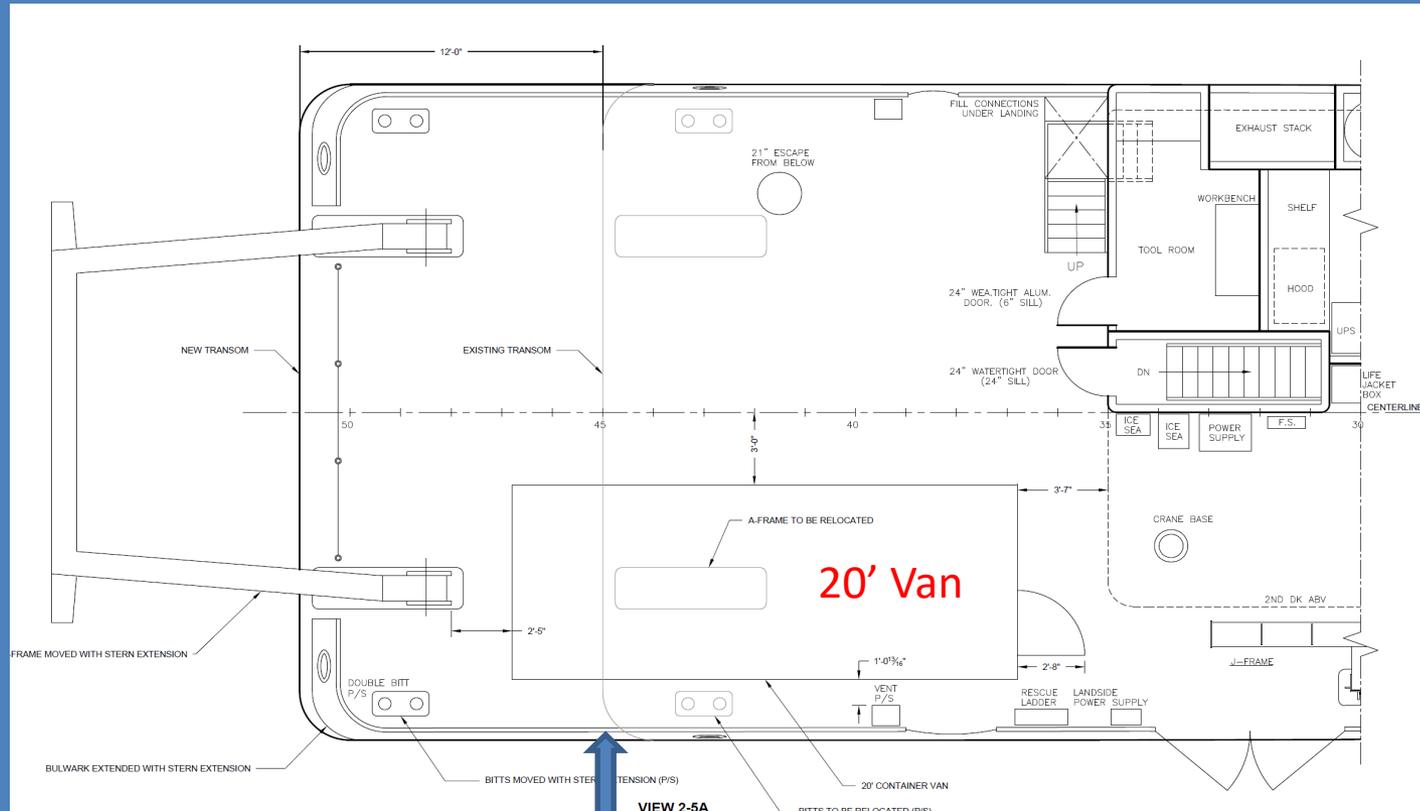
Engine room STB profile overhead

Stern Extension 12'



Glosten and Associates draft design

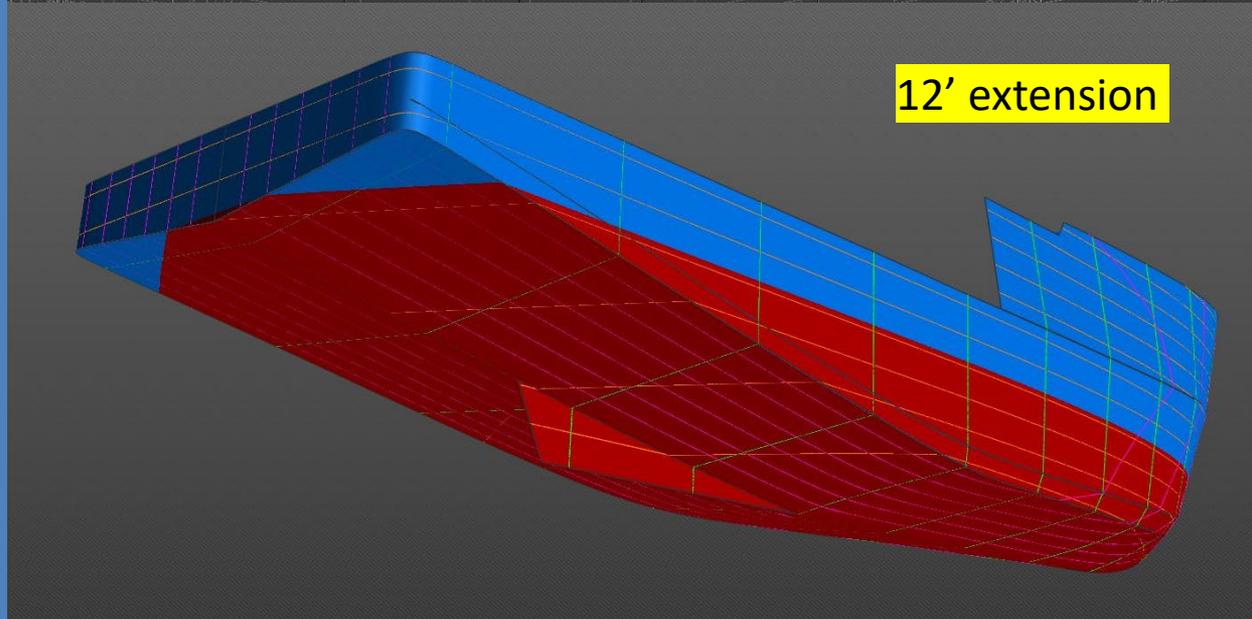
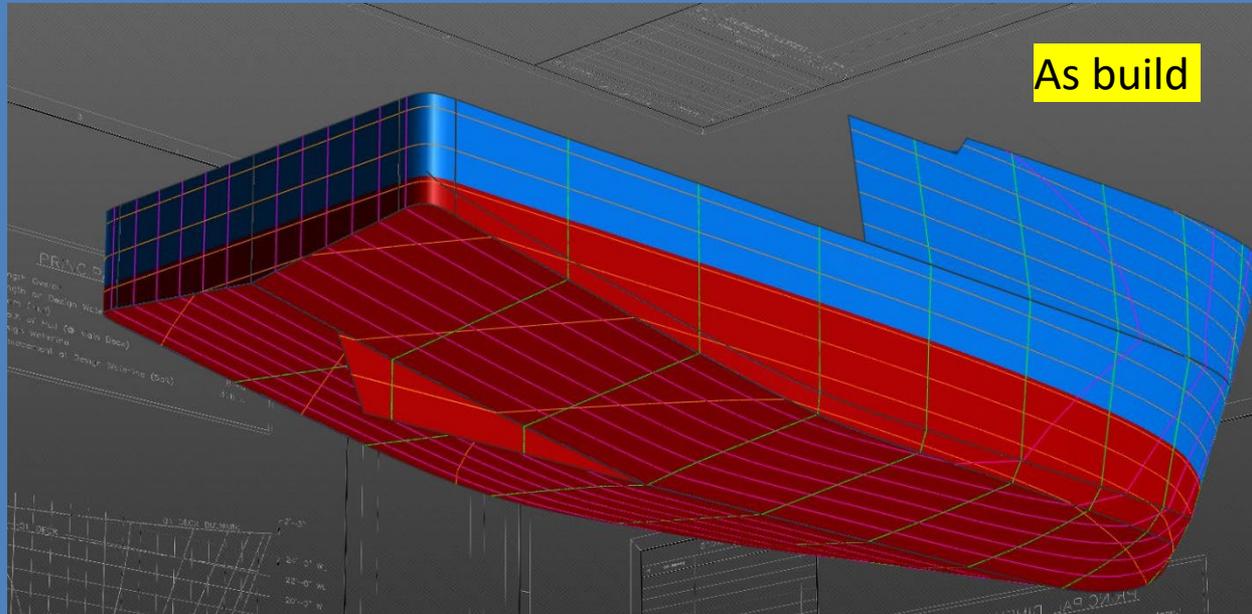
Stern Extension 12'



Existing transom

Glosten and Associates draft design

Water line changes – Cause for concerns with slamming



Project Cost Estimates

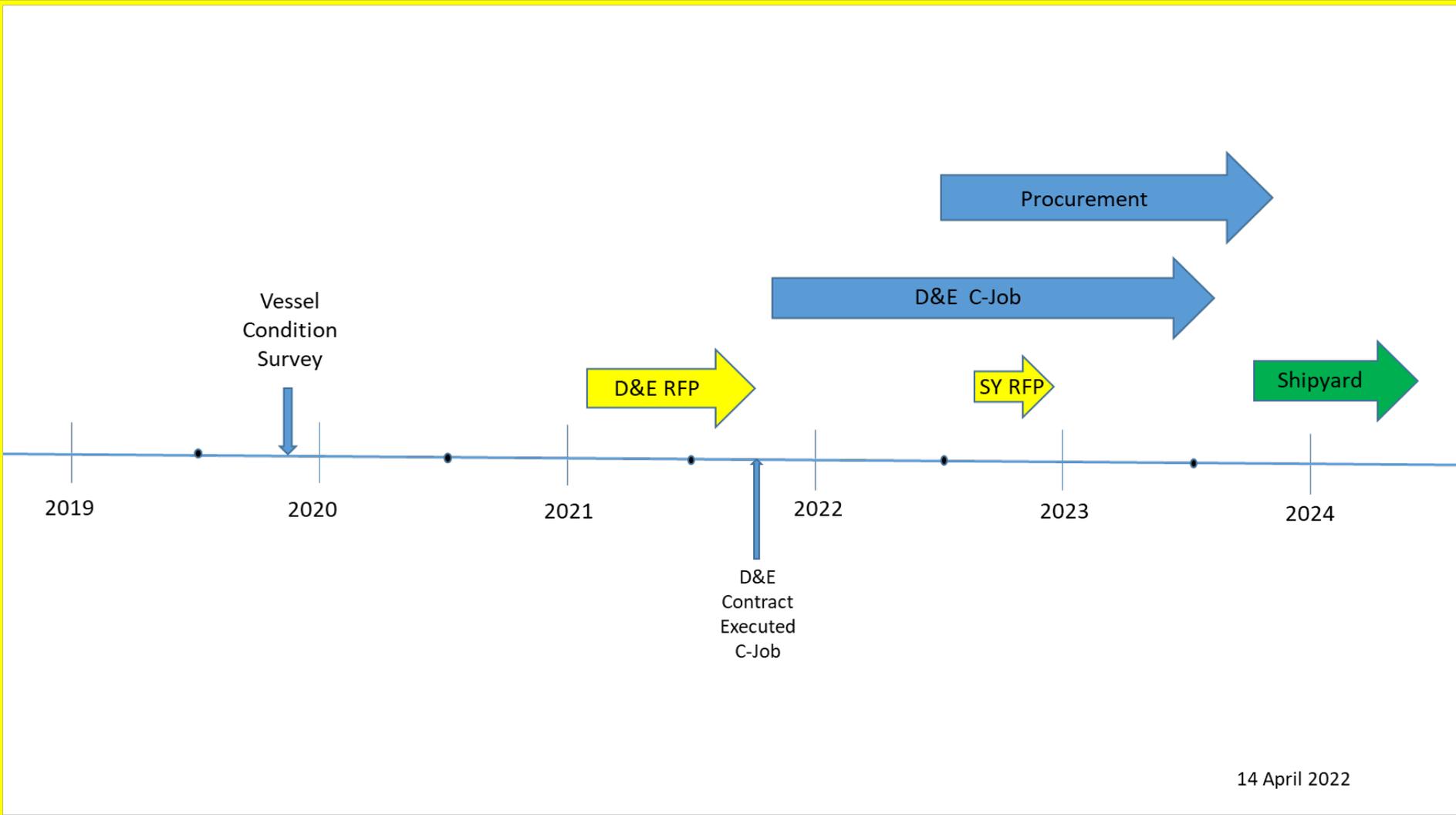
Mid-Life Refit Cost Estimate Summary	
February 3, 2022	
	Total Detail
Design and Engineering - Naval Architect	\$ 450,000
Dry Dock Maintenance Work	\$ 559,650
Service Life Extension Work	\$ 1,525,014
Mission Enhancements	\$ 1,287,033
20% mark up for change orders and expected overages	\$ 764,339
Total Project Estimate	\$ 4,136,036

Funding

- Current support \$4.6M – recall build was \$3.1M
 - NSF
 - University of Georgia
 - State Funds
 - Ship and SkIO Internal Funds

Source	Amount
State B-Budget Award	\$2 M
UGA Internal Support	\$1.3 M
Ship Ops MOSA and NSF	\$1.3 M
Total Budget	\$4.6M

Timeline – Shipyard Period



Acknowledgements

- State of Georgia
- University of Georgia
- NSF – Rose Dufour
- RV Connecticut – Turner Cabaniss
- RV Pelican – Joe Malbrough
- RV Virginia – Duran Ward and Keith Mayer