



**NORTH CAROLINA**  
Department of Transportation



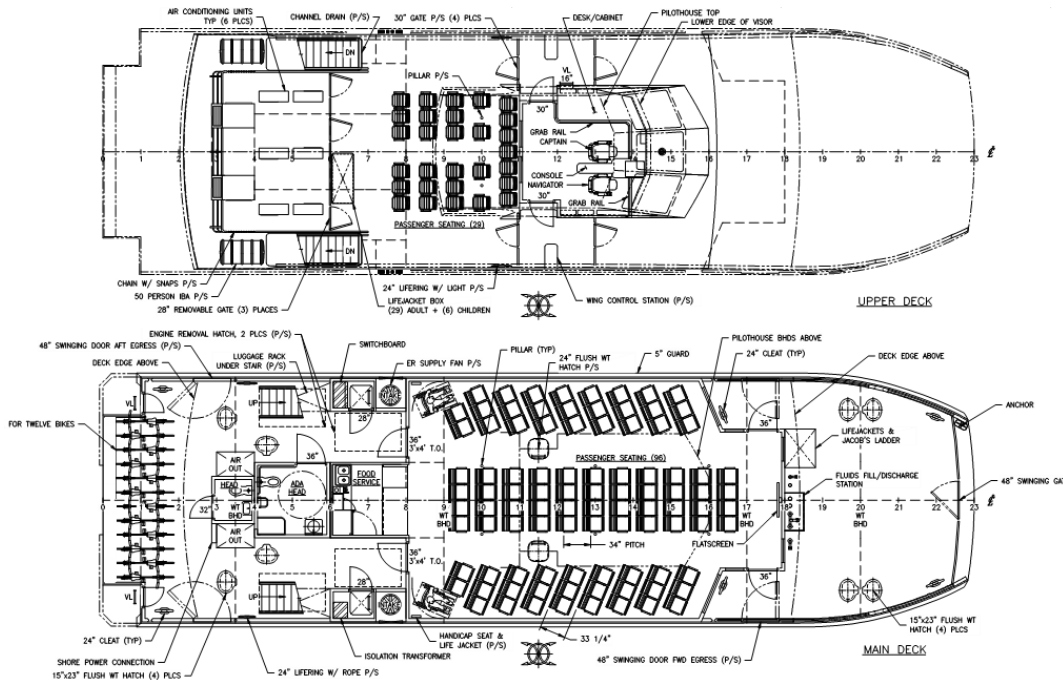
# North Carolina Ferry Division New Passenger Ferry & River Class Ferry

**Keith Stegall**  
Assistant Director Vessel Asset Management

August 27, 2018



# Passenger Ferry Project: The Ocracoke Express



## Construction

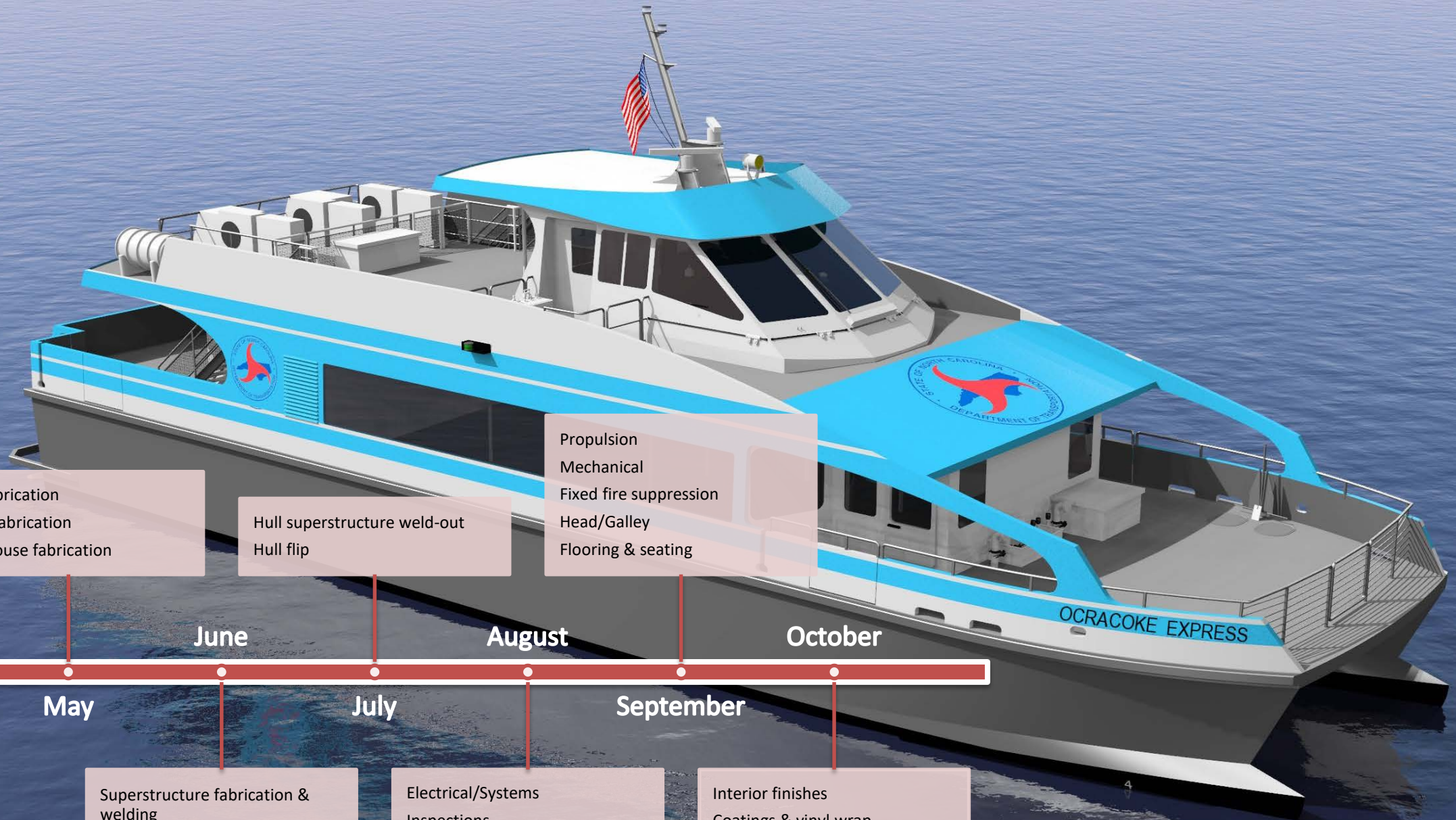
U.S. Work Boats  
Swansboro, NC  
Estimated delivery date: October 24, 2018  
Initial contract amount: \$4,154,417.90

## Accommodations

127 passengers  
Two wheelchairs  
16 bicycles  
Snack bar

## General Information

Aluminum catamaran  
28-knot cruising speed



Hull fabrication  
Cabin fabrication  
Pilot house fabrication

Hull superstructure weld-out  
Hull flip

Propulsion  
Mechanical  
Fixed fire suppression  
Head/Galley  
Flooring & seating

Superstructure fabrication & welding

Electrical/Systems  
Inspections  
Hull & cabin welded together

Interior finishes  
Coatings & vinyl wrap  
Estimated completion & delivery  
Testing & trials  
Windows, doors & ladders

May

June

July

August

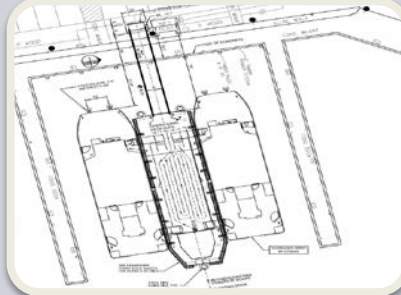
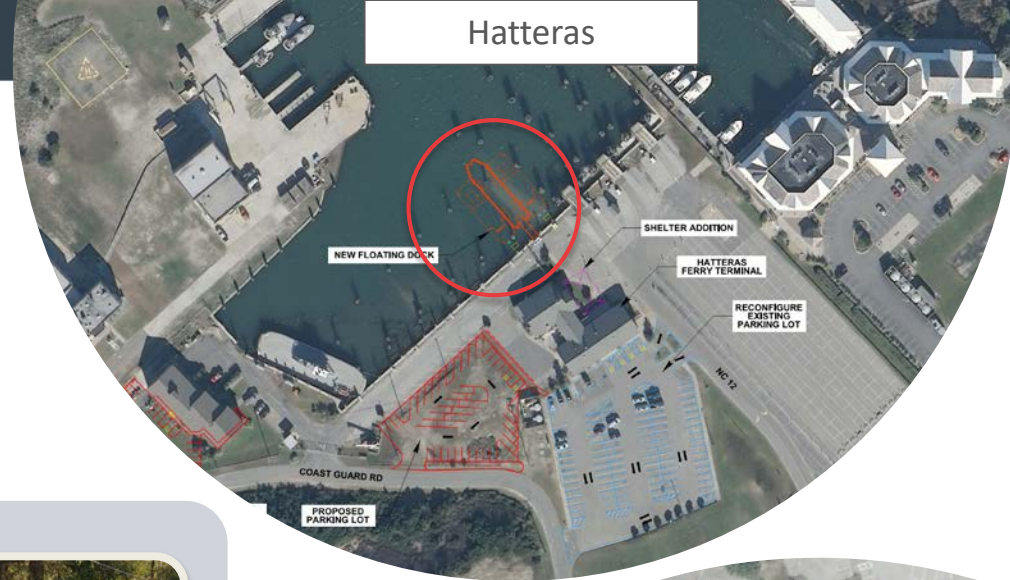
September

October



# Terminal Improvements

- New floating dock and gangway
- 1,500 sq. ft. passenger shelters
- Additional parking (Hatteras)



## Terminal Construction

- A.R. Chesson (Williamston, NC)
- Contract amount: \$1.45M
- Contract completion date: May 29, 2018
- Parking, shelters, and dock work included in contract

## Docks & Shore Side Upfits

- Leasing docks from Poseidon Barges (Leland, NC)
- Floating docks delivery date: August 20, 2018

## Trams: Four Electric Vehicles & Two Trailers

- Moto Electric (Jacksonville, FL)
- Contract amount: \$195,000
- Contract completion date: June 21, 2018
- 16 passengers per tram
- 23 passengers per trailer



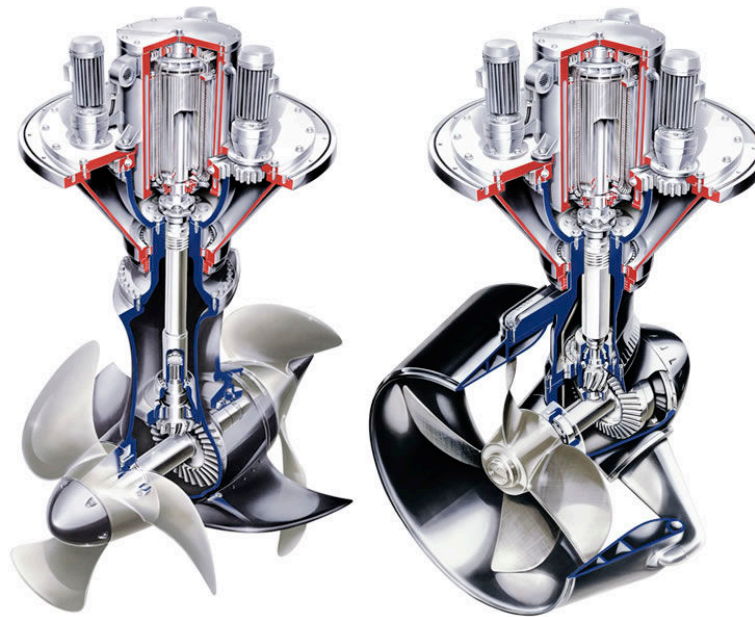
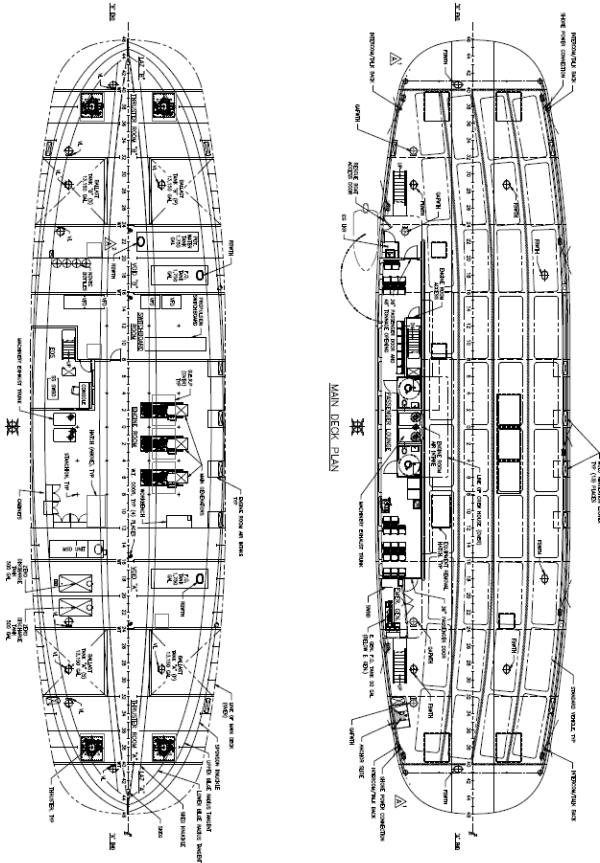
Ocracoke – Silver Lake



# Rodanthe

- Thomas A Baum replacement
- 183 ft. length x 44 ft. width
- Capacity: 40 cars; 300 passengers
- Currently under construction in Amelia Louisiana at Bollinger Shipyard
- Contract completion date: March 1, 2019
- Contract amount: \$9.7M



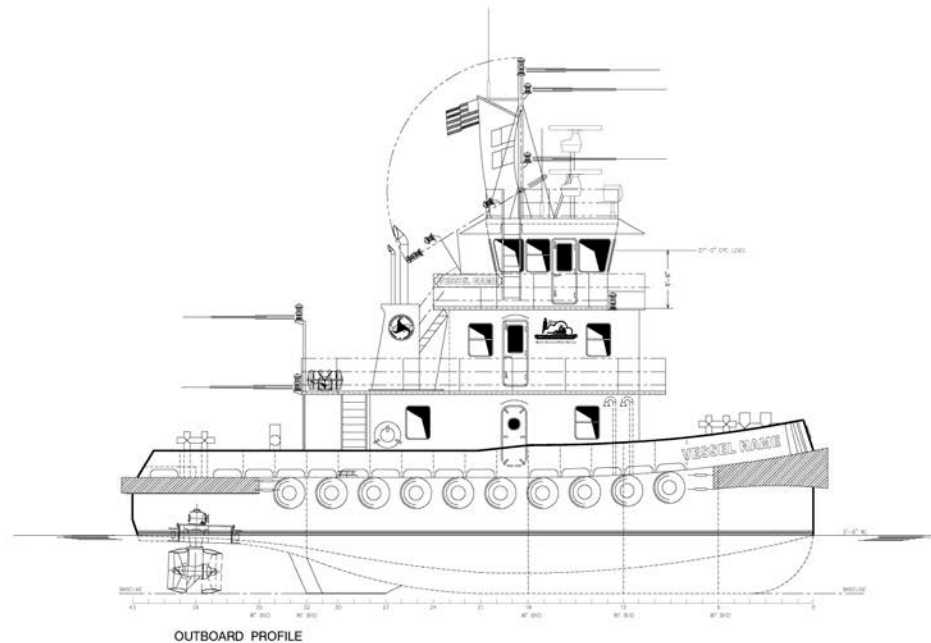


Azimuth Propulsion Unit

# Avon

- Kinnakeet replacement
- Similar in design to the Rodanthe
- New to ferry: diesel electric, three main generators, four azimuth drives
- Capacity: 40 cars; 300 passengers
- Not yet under contract
- Contract advertised: August 21, 2018
- Estimated delivery date: March 5, 2020
- Contract for potential second boat estimated delivery date: August 3, 2020
- Engineer estimate cost \$12.9M

## Tug Albemarle II



- Also Azimuth drive
- Bollard Pull 20 Tons
- Documentation weight 99 Gross tons
- Contract goes out for bid November 26, 2018
- Delivery date: February 11, 2020
- Engineer estimated cost \$6.1M





# 3D rendering fly through





Questions?

