

Ferry Maintenance

Worldwide Ferry Safety Association

April 2023



Staten Island Ferry

- St. George Ferry Terminal (Staten Island) to Whitehall Ferry Terminal (Manhattan)
- 5.2 mile route
- 30 minute headway
- ~25 million passengers per year.
- ~38,000 trips per year.



Ferries

3 Ollis Class (~2021)

320' x 70' 4,500 passengers Diesel-mechanical (EMD/Voith)

10,000 HP

3 Molinari Class (~2004)

310' x 70'

4,400 passengers

Diesel-electric (EMD/Siemens)

10,800 HP

ABS Class - Rivers
USCG - Subchapter H



Ferries

2 Barberi Class (~1981)

310' x 70' 5,180 passengers Diesel-mechanical (EMD/Voith)

7,000 HP

• 2 Austen Class (~1986)

207' x 41'-8"

1,280 passengers

Diesel-mechanical (EMD/Voith)

3,100 HP

ABS Class - Rivers
USCG - Subchapter H



Other Assets

- 1 Small Vehicle Ferry (60' x 35')
- 2 Oil Barges
- 2 Crane Barges
- Deck Barges
- Utility vessels
- 2 Passenger Terminals
- 2 Vehicle Loading Terminals



Maintenance Philosophy

Maintenance Purpose

- Meet passenger transport commitment
- State of Good Repair
- Safety Management System

Vessel Maintenance Classification

- Running Maintenance and Inspections
- Minor In-service Maintenance
- Major Waterborne Inspection, Maintenance, Repair,
 Overhaul, and Modifications
- Drydock Inspection, Maintenance, Overhaul, and Repair



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Maintenance Assignments

- Vessel Crews
- In-house Trades (Ferry Maintenance Facility)
- Outside Technical Support
- Outside Industrial Support
- Drydockings and Major Maintenance Projects



Maintenance Facilities

Ferry Maintenance Facility

- NYCDOT trades staff
- 12 Shops
- Headcount
 - Approx. 100 allowed positions
- Storerooms and Storage Areas

Drydock Facilities

Contracts by vessel type



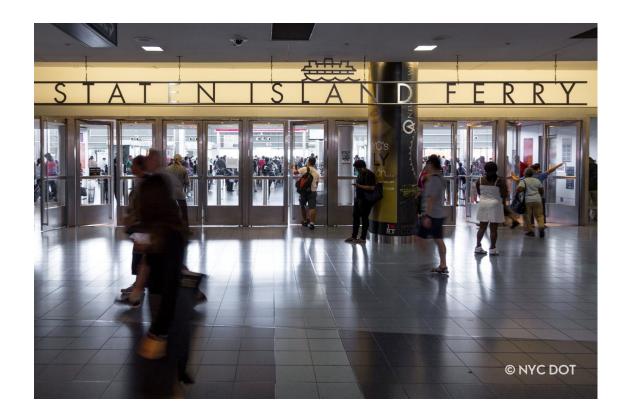
Ferry charging in Norway

Maintenance Management

- Computerized Maintenance Management System (CMMS)
 - Maximo
 - Track all assets (afloat and shore)
- Work Control Center
 - Planned Maintenance Coordinators
- Work Orders processed in last one year period:
 - o 2,312 PM's + 2,139 CM's
- Maintenance management is (for us) a journey



Thank You



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