
Special Provision to Special Specification 7045

Additions to Dry Docking 28-Car Ferryboat



Special Specification 7045 "Dry Docking 28-Car Ferryboat," is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 4. **Initial Items of Work** is being amended to change:

4.1. **Dry Docking.**

Provide dry dock and required set up to dry dock the ferryboat. Furnish all utilities (including daily electrical charges), scaffolds, crews, tow boats, line handlers, and overhead crane needed for the dry docking. Perform a complete test of all equipment before removing boat from water this includes but not limited to

- Electrical
- Electronics
- Lighting
- Electric starters
- Electric motors
- Pumps
- Valves
- Engines
- Gears
- Generators
- Doors
- Locks
- Cameras
- Sound powered phone
- Supply and exhaust fans
- Deck operators
- Vents
- Open close all sounding tubes
- Air compressor

Provide a list of finding with in ten consecutive days of vessel arriving at yard list should include but not limited to:

- Item that is not working properly
- recommendation of repair
- pictures if possible
- provide a printed copy of the report and pictures

Only 1 dry docking fee per work request will be paid for each ferryboat. Dry docking not approved by the Department will be done at Contractor's expense.

Article 7. **Remove and Reinstall** is being amended to add:

7.24. **Replace All Batteries on the Boat.**

Remove all batteries from boat and properly dispose of. Replace all batteries with gel type the same as removed in height, width, depth, voltage, amps and terminal type or to the TX.D.O.T representative for approval. This line includes but not limited to:

- Emergency Batteries outside pilot house
- Fire System panel in pilot house
- Emergency Batteries in Engine Room 24 Volt DC panel
- Main Engine Batteries
- Generator Batteries
- Diesel fire pump Batteries
- Clamps
- Connectors
- terminals
- Tape
- Nuts
- Bolts
- Screws

All disturbed areas will be mechanically cleaned and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.25. **Remove / Replace Diesel Fire Pump.**

Remove the diesel fire pump complete pump motor and framing. Replace the diesel fire pump motor and framing with new. Align all piping with original piping to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New Diesel fire pump (same as removed)
- New muffler (same as removed)
- New Flex (same size and length as removed)
- Removal and replacement of all fluids
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Pipe
- Flange
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.26. Remove / Replace Electric Fire Pump.

Remove the Electric fire pump complete pump motor and framing. Replace the Electric fire pump motor and framing with new. Align all piping with original piping to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New Electric fire pump motor and framing (same as removed)
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Pipe
- Flange
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.27. Remove / Replace Bilge Pump.

Remove the Bilge fire pump complete pump motor and framing. Replace the Bilge fire pump motor and framing with new. Align all piping with original piping to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New Bilge fire pump motor and framing (same as removed)
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Pipe
- Flange
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.28. Remove / Replace Shaft Ally Fan.

Remove the shaft ally fan motor and framing. Replace the shaft ally fan motor and framing with new. Align all piping with original piping to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New shaft ally fan motor and framing (same as removed)
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Pipe
- Flange
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.29. Remove / Replace Rudder Compartment Fan.

Remove the rudder compartment fan motor and framing. Replace the rudder compartment fan motor and framing with new. Align all piping with original piping to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New rudder compartment fan motor and framing (same as removed)
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Pipe
- Flange
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.30. **Remove / Replace Co2 Locker Fan.**

Remove the Co2 locker fan motor and framing. Replace the Co2 locker fan motor and framing with new. Align all piping with original piping to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New Co2 locker fan motor and framing (same as removed)
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Pipe
- Flange
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.31. **Recertify Co2 System.**

Test and recertify complete Co2 and fire alarm system as follows:

- Remove all hoses and cables
- Remove all exterior parts
- lights
- horns
- boxes
- wires
- replace all batteries in Co2 and Alarm system
- check all wire, terminals and connections

Disconnect power and any device needed to make system safe for workers on vessel needed to be removed before any painting or to TX.D.O.T representative's satisfaction.

Provide any reports and / or repair needed or recommended to the TX.D.O.T Representative. Provide a list of finding with in ten consecutive days of vessel arriving at yard list should include but not limited to:

- Item that is not working properly
- recommendation of repair
- pictures if possible
- provide a printed copy of the report and pictures
- An itemized quote or estimated cost for each item of work needed, including any part and labor

After all repairs and painting, reinstall all equipment removed, replace all water tight packing or any water tight device needed to insure water tight integrity.

Test and recertify system and all devices in the Co2 and alarm system with U.S. Coast Guard and TX.D.O.T representative present.

Provide a copy of any test procedures and certification to the TX.D.O.T representative before the vessel leave the ship yard.

7.32. **Remove / Replace LED Navigation Light.**

Remove LED Navigation light found to be bad replacing light with same as removed or to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New LED Navigation light (same as removed)
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.33. **Remove / Replace Phoenix Emergency Light.**

Remove Phoenix Emergency Light found to be bad replacing light with same as removed or to the TX.D.O.T representative's satisfaction. This line includes but not limited to:

- New Phoenix Emergency Light (same as removed)
- Wires
- Connectors
- Terminals
- Insulation
- Lights
- Switches
- Nuts
- Bolts
- Screws
- Welding cutting, grinding, painting and any item needed to complete the job

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

7.34. **Remove and Replace Water Tight Doors.**

- Remove two Water Tight Doors and replace with two Fast Acting Water Tight Doors. Provide ABS certified steel as listed in the drawings. Provide copies of all certification documents and records to TX D.O.T. representative before installation. TX D.O.T. will provide Elliott Bay technical specification for Water Tight Doors.
- Before removal, notify U.S. Coast Guard for pre-work layout and planned cut out. Follow all U.S. Coast Guard regulations for hull and deck steel replacement. After hatch cut out and plate fit up, check with U.S. Coast Guard before welding out.
- After welding, perform an **ultrasonic (NDT) test for the** U.S. Coast Guard **and** TX D.O.T. representative. This test must meet all U.S. Coast Guard approvals. A copy of all test and procedures will be given to the TX D.O.T. representative.

7.35. **Removal of The Engine room Escape Hatch.**

- Remove engine room escape hatch from the main car deck and replace with ABS certified steel as listed in the drawings for main car deck steel. Provide copies of all certification documents and records for the steel to TX D.O.T. representative before installation. TX D.O.T. will provide Elliott Bay technical specification for Escape Hatch.
- Before removal, notify U.S. Coast Guard for pre-work layout and planned cut out. Follow all U.S. Coast Guard regulations for hull and deck steel replacement. After hatch cut out and plate fit up, check with U.S. Coast Guard before welding out.
- After welding, perform an **ultrasonic (NDT) test for the U.S. Coast Guard and TX D.O.T.** representative. This test must meet all U.S. Coast Guard approvals. A copy of all test and procedures will be given to the TX D.O.T. representative.

7.36. **Replace Propeller with Five Blade Propeller.**

Remove and replace the three-bladed propellers with a five-bladed propeller in accordance with Elliot Bay drawings and specification.

All testing must be witnessed by a TX D.O.T. representative unless otherwise specified. TX D.O.T. will receive copies of all test records, reports, certifications and pictures.

7.37. **Remove / Replace Hull Plate.**

Remove and replace deteriorated or damaged steel plating on hull with same as removed. Steel must be ABS certified and have proper paperwork to identify steel (including inside bracing). Obtain TX.D.O.T. representative's approval of areas of repair before work starting. White metal blast all new plating and welds. Apply paint system coatings after installation in accordance with Special Specification 7044, "Ferryboat Coating Systems", Section 4.5., "Water Line Down," Section.4.5.3 and Section .4.6.and Section.4.6.2 "Water Line Up".

Article 20. **Miscellaneous Item** is being amended to add:

20.9. **Wood Work.**

Provide a carpenter to make any and all repairs to the wood work in the pilot house. Repair any cabinets, boxes, shelves or miscellaneous items needed to complete the job. This includes but not limited to:

- Tools
- Nails
- Glue
- Nuts
- Bolts
- Screws
- Washer
- Spacers
- Paint
- Stains
- Or any item needed to complete this line

All disturbed areas will be mechanical and follow the Special Specification "Ferryboat Coating Systems" for the area in which painting is being performed. This line is not to be used in conjunction with any other lines.

Article 21. **Measurement** is being amended to change:

21.4. **Remove and Reinstall.**

- Replace All Batteries on the Boat. Each vessel in Dry Dock
- Remove / Replace Diesel Fire Pump. By each
- Remove / Replace Electric Fire Pump. By each
- Remove / Replace Bilge Pump. By each
- Remove / Replace Shaft Ally Fan. By each
- Remove / Replace Rudder Compartment Fan. By each
- Remove / Replace Co2 Locker Fan. By each
- Recertify Co2 System. Each vessel in Dry Dock
- Remove / Replace LED Navigation Light. By each
- Remove / Replace Phoenix Emergency Light. By each
- Remove / Replace Supply and Exhaust system. Each vessel in Dry Dock
- Remove and Replace Water Tight Doors with a Fast Acting Door. Each vessel in Dry Dock
- Removal of The Engine room Escape Hatch. Each vessel in Dry Dock
- Replace Propeller with Five Blade Propeller. Each vessel in Dry Dock
- Remove / Replace Hull Plate. By the square foot

21.14. **Miscellaneous Items.**

- Wood Work By the Hour