

Class Concept

Positions perform technical work by inspecting and monitoring completion of repair work for all Ferry Division vessels and equipment. Work involves surveying vessels, generating work lists, notating deficiencies to codes and regulations, and assisting in the preparation of shipyard maintenance specifications and repair contracts. Work includes acting as the State representative for contracts at commercial shipyards, assuring that all specifications and codes are adhered to during repair and construction work, and performing quality control inspections and surveys. Position will review and evaluate the feasibility of shipyard work requests, perform complete visual and instrumental inspection of vessels, note mechanical or structural problems, recommend level of repair, and assist in the research of materials, codes and regulations. At commercial shipyards, employee inspects all work and materials associated with repairs in order to effectively interpret and determine conformance to specifications, negotiate supplemental work agreements or deletions, select and approve sub-contractors, make decisions relating to change orders, and evaluate progress to determine amount of payments. Position will also coordinate the delivery, return, acceptance tests, sea trials, and inspection of vessels by U.S. Coast Guard inspectors. Other duties include training and instructing vessel crews in the use of new machinery and equipment, conducting underwater surveys and performing emergency underwater repairs, evaluating vessel operational problems, researching solutions and new construction/modification designs, and developing recommendations to the Marine Engineer.

Recruitment Standards

Knowledge, Skills, and Abilities

- Considerable knowledge of shipbuilding trades and applicable codes and standards.
- Skill in the use of testing instruments such as calipers, micrometers, hygrometers, manometers, tachometers, and pressure measuring devices.
- Ability to represent the Department of Transportation in a firm and fair manner at commercial shipyards; inspect vessel repairs and modifications; and negotiate with owners or their representatives.
- Ability to read and interpret shipyard maintenance specifications, repair contracts, and blueprints.
- Ability to research codes, regulations, ship modifications, and new techniques in shipbuilding.
- Ability to perform repairs and inspections underwater.

Minimum Education and Experience

High school or General Educational Development (GED) diploma and five years of experience in the inspection or construction of steel ships, including two years of experience with US Coast Guard marine regulations: or an equivalent combination of education or experience.