

Class Concept

Positions perform technical work in docking, rigging, hauling, transferring, and undocking vessels at the marine maintenance facility of the Ferry Division. Position plans and oversees the dry-docking of vessels using a ship Synchro lift. Work includes reviewing the docking plans for technical adequacy, checking the hull contours and structural members of a vessel to determine and ensure the proper placement of lifting blocks, and being completely responsible for a vessel during the entire operation. Position maintains the shiplift, transfer carriages, vessel cradles and operates a crane, forklift, loader, and other heavy equipment. Work often requires supervision of skilled riggers who handle, remove, install and align heavy shipboard equipment.

Recruitment Standards

Knowledge, Skills, and Abilities

- Considerable knowledge of the structure of vessels, stress points, load factors, cradle positioning, and blocking of vessels.
- Considerable knowledge of vessel stability calculations and docking plan development.
- Considerable knowledge of rigging and aligning heavy equipment.
- Considerable knowledge of the safety requirements of rigging heavy equipment and of State OSHA regulations.
- Considerable knowledge of the Sychrolift's capabilities, and the associated mechanical, electrical, and structural systems.
- Basic knowledge of the shipbuilding trades and of shipyard maintenance requirements.
- Ability to plan, organize and supervise the work of skilled employees. □ General skill in the operation of heavy equipment.

Minimum Education and Experience

High school or General Educational Development (GED) diploma and four years of experience in a ship repair facility with concentration on blocking, cradling and docking of vessels and the operation of vessel lifting equipment; or an equivalent combination of education and experience.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.