Split-Hull Hopper Dredge
DESIGN OVERVIEW
for EJE Dredging Services

JENSEN
Naval Architects & Marine Engineers

CROWLEY
People Who Know®

jensenmaritime.com
crowley.com
Background - MURDEN

- "Baseline Hull": Similar to the MURDEN
- Designed: Jensen Maritime, 2006
- Built: Conrad Shipyards, 2012
- Capacity: 500 Cubic Yards
- Bow Shape: Plumb Bow
- Bow Thrusters: Two (2) Tunnel Thrusters

Dredge MURDEN
EJE Dredge – Pilot House, Hold Plan & Focslc Plan
EJE Dredge – Construction Management

- At Crowley, our experience, and the systematic approach we take to Construction Management is what separates our team from other inspection services.
- We offer more than just onsite inspection services.
  - Our team of experienced Project Managers and Marine Inspectors coordinate with both EJE and the Builder to set expectations early in the project, evaluate better and more efficient ways to approach fabrication, and ensure that performance and quality metrics are met.

Safety

STOP UNSAFE WORK
Employees and Business Partners are required to follow procedures and stay engaged with the work at hand. You have the RESPONSIBILITY and the AUTHORITY to speak up and stop unsafe operations. At Crowley, you are able to do this without question or repercussion. This is my commitment to you.

Chairman, President and CEO
Crowley Maritime Corporation

CROWLEY

JENSENMARITIME.COM
CONSTRUCTION MANAGEMENT

With a full range of construction management services, we give customers the option of leveraging our total expertise throughout the entire life-cycle of design and construction. Whether you choose to bring us in early in the concept and vessel design phases or need to consult with us about one specific phase, we pride ourselves on our ability to provide quality advice that maximizes value.

We promote quality by setting expectations early in the project, providing consistent enforcement throughout the project, and utilizing our experience with proven procedures to ensure that negative compromises are avoided.

Our Capabilities Include
- Project management for new construction, repair, and conversions
- Owner's representation
- Contract management
- Warranty phase management
- Shipyard contract negotiation
- Shipyard selection and vetting
- Technical specification review and development
- Quality assurance program
- Claims avoidance and cost control
- Reporting and document management
- Oversight of commissioning and testing
- Management of request for proposal processes
- Evaluation of construction progress, estimating and scheduling

New Construction
The composition of an onsite construction management team, coupled with our extensive engineering support, sets us apart from others. The level of oversight required for any new construction project can be tailored to the specific project needs.

Repair and Conversions
We offer services for a variety of projects, including dry-dockings, repairs and vessel conversions. Our onsite inspections, reporting, change management and document control processes help to keep the project on time and on budget.

Plan Review
Drawing and document review help ensure the design meets the intent and requirements of the specification while coordinating with the operational requirements of the owner.
EJE Dredge – Construction Management

Warranty Phase Management
Our experience of managing warranty claims for nearly every type of vessel help to ensure that the vessel’s warranty issues are addressed in a timely and appropriate fashion. It is our objective to ensure that the owner receives the financial benefits which they are entitled.

Contract Management
Experts in evaluating contracts, suggesting edits, verifying performance requirements and recommending language that mitigates the owner’s risk.

Specification Development
We can create and evaluating existing technical specifications for new construction, repair and conversion projects.

Shipyard Selection
We have built and repaired vessels in nearly every major U.S. shipyard. We are familiar with their capabilities, strengths and weaknesses. We offer insight into which yards are best suited for a project while balancing the appropriate risks.

Request for Proposal (RFP) Management
We offer our proven RFP process that is used to obtain compliant and competitive offers from shipbuilders to assist the owner with making informed decisions.