



Ferry Systems

As a firm with experienced professionals in both landside and marine engineering disciplines, Art Anderson is ideally positioned to comprehensively address the unique challenges of ferry design and ferry infrastructure projects. While many aspects of traditional landside facility engineering apply, the marine environment presents additional challenges and requires robust designs to withstand harsh conditions that come with wind, waves, currents and wakes. Regulatory challenges also must be understood, including navigating complex shoreline development codes and obtaining permits from a variety of local, state and federal agencies.

Over the decades, with hundreds of successfully completed projects, our clients and partners have come to appreciate the value of our experience delivering transportation planning, terminal engineering, vessel engineering and construction management for ferry systems.

CAGE CODE: 5A165
DUNS: 079273157
GSA Schedule: GS-10F-0159U
SEAPORT-e: N00178-14-D-7178
NAICS: 541330 Engineering Services
541310 Architectural
541340 Drafting
541350 Building Inspection
Veteran Owned Small Business (VOSB)
SBA Small Business

Vessels | Terminals | Planning | Delivery | Support

Consulting Services

Our mission is to provide consultant services that assist prospective and existing ferry system owners and operators plan, implement, manage and improve ferry systems with:

- Ferry Terminal Design
- Ferry Maintenance Facility Design
- Waterfront Infrastructure Design
- Transportation Planning
- Vessel Engineering
- Vessel Selection, Procurement & Design
- System Planning & Route Analysis
- Operations Planning & Analysis
- Terminal siting
- Environmental Impact Analysis
- Construction Management



Core Capabilities

Civil Engineering

- Dock and Pier Design & Inspections
- Marina Design
- Floating Structures
- Marina Breakwater/Wave Screen Design
- Moorage Design
- Shoreside Facility Design
- Vehicle Ferry Ramp Design
- ADA Accessible Design
- Site Planning
- Utilities Master Planning
- Site Fire Water Systems
- Hotel Services Design
- Wave Dynamics Studies
- Boat Launch Ramp Design
- Pedestrian Ramp Design
- Fuel Float Design
- Structural Design
- Piling Design
- Shoreline Erosion Control
- Underwater Utilities Systems Design
- Underwater Fuel Systems
- Underwater Concrete Design
- Regulatory Permitting (Local and ACOE)

Marine Engineering

- Electrical System Design
- Structural Design
- Feasibility Studies
- Economic Optimizations and Trade-off Studies
- Overhaul and Conversion Planning
- Construction Cost Estimating
- Wake Studies
- Stability Studies
- Weight Engineering
- Hydraulic Systems Design
- Vessel Mooring

Mechanical Engineering

- 3D Design and Modeling
- Plumbing Layout and Design
- Water Systems
- Code Studies

- Hydraulic Systems Design
- Fueling Systems
- Machinery Design
- Feasibility and Optimization Studies
- HVAC System Design (Custom and Package)

Electrical Engineering

- Marina Power Systems
- System Controls
- Interior and Exterior Lighting Design
- Low Voltage Lighting
- Security and Fire Alarm Systems
- Electrical Load Calculations
- Remote Control Systems
- Power System Protection
- Underwater Power Transmission
- Power Vault Design

Construction Management

- Program and Project Management
- Selection and Supervision of Design Team
- Value Engineering Studies
- Constructability Review
- Design Consultation
- Communications Management
- Production and Distribution of Bid Documents
- Management of Bid Process
- Monitoring of Program/Project Schedules and Budget
- Records Management
- Pre-construction conferences
- Full Time and Periodic Construction Observation
- Construction Quality Control
- Dock and Pier Inspections
- Submittal Review
- Field Change Preparation
- Change Order Preparation
- RFI Processing
- Punchlist Preparation
- Dispute Resolution



Providing consulting and design services
for total life-cycle management since 1957