

STATEMENT OF SERVICES

Southeast Shuttle Ferry Design Services

PURPOSE

Select Naval Architecture and Marine Engineering Firm to modify a concept ferry boat design to meet Alaska Marine Highways Systems operational and performance requirements for a new class of Southeast Alaska Shuttle Ferries.

VESSEL INFORMATION

Vessel Type.....	Roll On-Roll Off (Ro-Ro) Passenger Ferry
USCG Classification.....	Subchapter H
Classed.....	American Bureau of Shipping (ABS) ✕A1, Ⓢ, ✕AMS, Ferry Service Passenger
Service.....	Domestic Voyage
Service Route Type.....	Lakes, Bays and Sounds
Southeast Alaska Stability Policy.....	Exposed Routes
Length Overall.....	255' to 305'
Beam.....	56' to 74'
Draft.....	10' to <16'
Passenger Capacity.....	450 – Interior Seating for 300 Passengers
Vehicle Capacity.....	48 to 60+
Vehicle Loading Ability.....	Bow, Stern, and Side (Port & Starboard)
Cruise Speed.....	18 Knots
Sprint Speed.....	20 + Knots
Operation.....	Day Boat Operations – 12 Hours
Manning Level.....	Minimum Manning IAW Regulatory Requirements – Unmanned Engine Room
ADA Compliant.....	Americans with Disabilities Act (ADA) with Passenger Elevator

DESCRIPTION OF THE PROJECT

The Naval Architecture and Marine Engineering Firm shall (1) provide concept design for new Southeast Shuttle Ferry, (2) develop and assemble, plans, specifications and estimate (PS&E) for competitive bidding, and provide design support during advertising and construction. The selected consultant may also serve as the Owner's Representative in meetings with the public, other agencies and other design firms.

MINIMUM QUALIFICATIONS

Firms must demonstrate experience in the design of projects of the same or greater magnitude and complexity as the Southeast Shuttle Ferry. The firm must have designed and provide plans, specification and estimate for at least one such vessel in the last five years.

SCOPE OF THE REQUIRED DESIGN SERVICES

The design phase of the project development spans all activities of preliminary vessel design through advertisement for construction. The design product will be plans, specifications and estimate (PS&E) assembly adequate to obtain competitive bids and detailed enough to construct the project. During the construction phase, the Consultant shall be available to provide engineering interpretation of the PS&E assembly and review of contractor submittals.