

1. General Information

Purpose and Location

- 1.1. **Purpose:** This is a non-personal services contract for towing, drydock, and hull work on the Chickamin Barge on the Tongass National Forest. The Government shall not exercise any supervision or control over the Contractor's employees. Such contract service providers shall be accountable solely to the Contractor who, in turn, is responsible to the Government.
- 1.2. **Background:** The Tongass National Forest, located in Southeast Alaska, encompasses approximately 17 million acres spread out over the vast archipelago islands of Alaska's pan-handle where much of the work takes place in remote locations. Tongass National Forest Facilities Engineering Program supports two liveaboard house barges. The Chickamin Barge is a 3 compartment steel hull with a two story, wood framed barracks mounted to the deck which requires hull maintenance every five years to support the life of the barge.
- 1.3. **Location:** See information in PWS.
- 1.4. **Contract Type:** The Government will award a single award contract.
- 1.5. **Period of Performance:**
0001 - November 1, 2023 – March 31, 2024
0001A - November 1, 2024 – March 31, 2025
- 1.6. **Federal Observed Holidays:** The government observes the following holidays:

New Year's Day	Labor Day
Martin Luther King Jr.'s Birthday	Columbus Day
President's Day	Veteran's Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day
Juneteenth	
- 1.7. **Codes and Standards:** The Contractor shall complete all work in accordance with applicable local, state, and federal codes and regulations, including the current family of ICC codes and NFPA 70, NEC.
- 1.8. **Postaward conference/periodic progress meetings:** The Contractor agrees to attend any post award conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation (FAR) Subpart 42.5. The CO and/or COR shall meet periodically with the Contractor to review the Contractor's performance. At these meetings the CO will apprise the Contractor of how the Government views the Contractor's performance and the Contractor will apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues.
- 1.9. **Contracting Officer (CO):** The CO is the only person with the authority to: enter into, administer, and/or terminate contracts; make related determinations and findings on behalf of the government; and legally bind the government. The CO shall ensure that the contractor receives impartial, fair, and equitable treatment under this contract. The CO shall determine and document the final assessment of the contractor's performance in the government's past performance tracking system.

- 1.10. **Contracting Officer's Representative (COR):** A COR may be assigned to this contract to monitor all technical aspects and assist in contract administration. The COR may be authorized to perform the following functions: ensure that the Contractor performs the technical requirements of the contract; perform inspections necessary in connection with contract performance; maintain written and oral communication with the Contractor concerning technical aspects of the contract; issue written interpretations of technical requirements (without increasing or decreasing contract scope), including Government drawings, designs, and specifications; monitor Contractor's performance and notify both the CO and Contractor of deficiencies; and provide site entry of Contractor personnel. The COR is not authorized to change any of the terms and conditions of the contract.
- 1.11. **Contractor's Key Personnel:** The following personnel are considered key personnel by the Government: Contract Manager and Quality Control Representative.
- 1.12. **Qualifications of Contractor Personnel:** For specialty work requiring State licensing, personnel shall be appropriately licensed for such other trades, such as electrical or welding. Personnel employed by the Contractor shall be experienced and qualified to perform the work with minimal supervision.
- 1.13. **Contractor's Responsibilities:** In addition to assuming complete responsibility for satisfactory performance of the requirements of this contract, the Contractor shall maintain sufficient workforce of adequately trained personnel available to perform services as specified herein throughout the duration of the contract.
- 1.14. **Contract Manager:** The Contractor shall provide a Contract Manager and designated alternate, as applicable, who has full authority to act for the Contractor on all contract matters relating to this contract. The Contract Manager or alternate shall be available during the Government's regular working hours and shall be available on site within one hour after the Government's regular working hours.
- 1.15. **Quality Control Representative:** The Quality Control Representative shall implement and maintain full compliance with the Quality Control Plan throughout the contract period.
- 1.16. **Conduct of Personnel:** The Contracting Officer may require the Contractor to remove from the job site any employee working under this contract for reasons of misconduct, security, or if they are found to be or suspected to be under the influence of alcohol, drugs, or other incapacitating agents. Contractor employee shall be subject to dismissal from the premises upon determination by the Contracting Officer that such action is in the best interests of the Government. Such removal from the job site or dismissal from the premises shall not relieve the Contractor of the requirement to provide sufficient personnel to perform the services as required by this PWS.
- 1.17. **Additional repair or replacement:** Work not covered under this PWS may be considered Over and Above Work. The contractor shall submit the following information for all over and above work: type of work required; detailed work description; specific location, estimated labor hours; materials required to complete the work, and proposed cost. Data shall be sufficient to satisfy contract requirements and obtain the authorization of the CO to perform the proposed work.

The Contractor shall not proceed with over and above work until the Government promptly reviews the information submitted. The Government will verify that the proposed work is required and not covered under the basic contract line item(s) and that the proposed corrective action is appropriate. The Government will authorize over and above work as necessary and through the issuance of a modification, or use of government Purchase Card (GPC).

The Government and Contractor will negotiate a settlement for the over and above work. Contract modifications will be executed to definitize over and above work. Failure to agree on the price of over and above work shall be a dispute within the meaning of the Disputes clause of this contract.

2. Definitions

- 2.1. **Acceptable Quality Level (AQL).** The allowable leeway or variance from a standard before the Government will reject the specific service. An AQL does not say that the Contractor may knowingly offer defective service. It implies that the Government recognizes that defective performance sometimes happens unintentionally. As long as the percent of defective performance does not exceed the AQL, the service will not be rejected by the Government. The Contractor, however, must re-perform the defective service when possible.
- 2.2. **Contracting Officer (CO).** A person with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the Contracting Officer acting within the limits of their authority as delegated by the Contracting Officer.
- 2.3. **Contractor.** The term Contractor as used herein refers to both the prime Contractor and any sub-contractors. The prime Contractor shall ensure that his/her sub-contractors comply with the provisions of the contract. The term in this contract refers to the prime.
- 2.4. **Contracting Officer's Representative (COR).** The Government employee designated by the Contracting Officer to be responsible for monitoring of Contractor performance.
- 2.5. **Non-Personal Services.** The person rendering services are not subject, either by the contract's terms or by the manner of its administration, to the supervision and control usually prevailing in relationships between the Government and its employees. Non-personal service contracts are authorized by the Government in accordance with FAR 37.012, under general contracting authority, and do not require specific statutory authorization.
- 2.6. **Performance Requirements Measures (PRM).** Identifies the key performance indicators of the contract that will be evaluated by the Government to ensure the Contractor meets standards.
- 2.7. **Quality Assurance (QA).** A method used by the Government to provide some measure of control over the quality of purchased goods and services received.
- 2.8. **Quality Control (QC).** A method used by the Contractor to control the quality of goods and services provided.
- 2.9. **Sub-Contractor.** One that enters into a contract with a prime Contractor. The Government does not have privity of contract with the sub-contractor.
- 2.10. **Tongass National Forest.** TNF
- 2.11. **Marine Sanitation Device.** MSD
- 2.12. **In Accordance With.** IAW

3. Contractor Requirements

Technical Requirements / Tasks

3.1. General Instructions Applicable to All Tasks:

- 3.1.1. **Description of Barge:** The CHICKAMIN was constructed in 1983. There is no known asbestos or lead containing materials in the barge hull. The contractor is responsible for testing any materials being removed and taking appropriate action for proper removal and disposal of materials. Chickamin Barge is a 3 compartment steel hull with a two story, wood framed barracks mounted on the deck. The bilge houses fuel tanks, an electrical generation system, a water treatment system, a Marine Sanitation Device (MSD), and a wastewater treatment system. The hull is 85' long by 32' wide by 7'-6" deep. Overall height of hull and barracks is 29'-8". The draft of the barge is approximately 2'-4". The weight is 175 Ltons.
- 3.1.2. **Coordination:** Contractor shall coordinate with the Government through all phases of this contract including inspections, towing, and recommissioning of the barge.
- 3.1.3. **Work Schedule:** A written work schedule including the Contractor's point of contact for each deliverable or work item shall be provided to the COR and CO within 3 business days of period of performance start date, showing proposed dates for accomplishing all work items. Contractor shall maintain the schedule up to date and shall provide it to the COR and CO within 3 business days of changes.
- 3.1.4. **Post-Work Inspection:** At the completion of all work items, perform a final condition survey of the barge, providing written verification that the systems and equipment are in the same or better condition as was documented during the pre-towing inspection. Submit the written documentation to the COR no later than 3 business days of completion.
- Contractor shall be responsible for making repairs to systems and equipment that has been damaged by contractor's work and/or negligence. After repairs have been completed, contractor shall submit a final written verification that equipment and systems are operational as per the pre-towing inspection.
- 3.1.5. **Clean-Up:** Contractor shall remove all sand, dust, grime, water, protections, and other debris generated by work from the barge.
- 3.1.6. **Weather Protection:** The barge shall be protected from adverse weather conditions including rain, snow, and wind during the duration of drydocking. Ensure that all exterior work including blasting, painting and other are sufficiently sheltered to allow for best results and proper curing. All steps required to prevent corrosion to the barge due to weather should be taken.
- 3.1.7. **Recommissioning:** Contractor shall ensure any impacted systems are functional prior to final payment.

- 3.1.8. **Camels and Fenders:** Provide a suitable camel and/or adequate fenders to prevent the hull of the barge from chafing against the wharf or pier at all times while the barge is moored at the shipyard or Contractor-furnished dock facility.
- 3.1.9. **Welding:** All welding to be performed IAW standards for marine applications.
- 3.1.10. **Electrical and Shore Power:** Coordinate with COR 3 business days prior to connecting the barge to shore power or working on any electrical components of the barge.
- 3.1.11. **Hardware:** All miscellaneous hardware shall be stainless steel, aluminum, or other corrosion resistant materials. Galvanized or painted steel is not allowed, unless otherwise approved by the COR.

3.2. **TASK 1 – Towing:**

- 3.2.1. Pre-Towing Inspection: Inspect the barge with a Government Technical Representative (GTM) prior to towing. Perform a condition survey of the barge, providing written documentation of the condition of the barge systems and equipment. Document the visual condition of the barge, equipment on barge, and house using a digital camera. Submit the documentation to the COR 3 business days prior to departure.
- 3.2.2. Towing: Tow the barge from moorage at Berth 1 in Ketchikan to the contractor's place of work. Towing will be performed in low wind and sea conditions commensurate with the barge's seaworthiness. After work is complete, return the barge to the same location.

If the barge is to be towed through exposed waters, contractor shall take appropriate precautions to protect the barge from damage which may include boarding and sealing the doors and windows and ensuring contents are secured. Exposed waters include Dixon Entrance, Milbank Sound, Queen Charlotte Strait, or the Gulf of Alaska. Contractor shall be responsible for damage to the barge due to towing in open waters.

3.3. **TASK 2 – Haul Out, Lay Days:**

- 3.3.1. Lift: Contractor shall have dry-docking, marine railway, or travel lift facilities capable of handling a 175-Lton barge of dimensions given in 3.1.1.

For railway or travel lift, demonstrate facility has sufficient capacity to lift the barge, and demonstrate past haul outs of similar size.

- 3.3.2. Blocking Plan: Review previous blocking plan log and submit new blocking plan for approval a minimum of 3 business days prior to commencing work.
- 3.3.3. Preparation for Haul Out: The Contractor shall determine the best docking position based on experience and hull block spacing available in the dock. See previous blocking plan provided and rotate blocking in order to paint missed areas. The Contractor shall ensure that all sea chests, discharges, or other appurtenances are clear of all blocks. There shall be no obstructions between the surface of the dry-dock and the hull, hull openings, appendages, and/or fittings. All hull blocks are to have a 2-inch minimum, soft wood caps. After setting blocks or rails and completing preparations, the COR shall be notified 3 business days in advance and afforded an opportunity to check the setup.

3.3.4. Haul Out: The Contractor shall coordinate with the COR 7 business days prior to any haul out to be afforded the opportunity to observe the process. The Contractor shall carefully haul out the barge, without strain or injury, in a suitable dry dock or railway. If any tendency to strain or damage the barge is observed, the Contractor shall immediately refloat the barge and rearrange the blocks or make such other corrections that are required to relieve the condition. The Contractor shall hold the vessel out of the water for such period as will be required to accomplish all work specified for which haul out is required.

3.3.5. Initial Work: All hull discharge openings and scupper drains which are not provided with discharge fittings shall be tightly plugged or fitted with spigots and hose to direct liquids away from hull.

3.4. TASK 3 – Exterior Hull Painting and Repairs:

3.4.1. Exterior Hull Painting (Spec Section 00300): Pressure wash entire exterior hull and inspect for damage. Report findings to COR within 3 business days. All painting shall be performed in accordance with manufacturer's recommendations. Substandard finishes shall be removed and replaced at contractor's expense.

3.4.1.1. Barge Name: Repaint barge name on both sides in current locations.

3.4.2. Zincs: Remove eight (8) hanging zincs, cables and support tabs. Provide mount for bolt on zinc anodes below water line. Prepare and paint all areas disturbed by work as described in sandblasted areas of the exterior hull. Build up to existing height of adjacent hull surface. Install eight (8) 24 pound bolt on zinc anodes, four on each side of barge.

3.5. TASK 4 – Exterior Deck and Appurtenances:

3.5.1. Deck and Appurtenances Painting (Spec Section 00300): All painting shall be performed in accordance with manufacturer's recommendations. Substandard finishes shall be removed and replaced at contractor's expense. Protect house and equipment from damage during sandblasting and all aspects of the work. Avoid damage to houses' cement board walls due to over blast. Remove winches and other appurtenances as necessary from the deck for complete and proper preparation to sandblast and paint deck.

3.5.2. Appurtenances: Appurtenances shall include boom and mast, winches, capstans, hatches and deck railing

3.5.3. Handrails: Straighten bent handrail post on aft of barge.

3.5.4. Hatches: Replace, adjust and/or reinstall gaskets as needed for a tight seal.

3.5.5. Winches: Refurbish four 20-ton Wintech manual winches to like new; Model BW10. Disassemble all parts; Reassemble, service, and install new bearings. Remove, inspect, and reinstall galvanized wire core cable (3/4"). Remove the deteriorated portion of cable. Remove old eyes and install new swaged eye and thimble on loose end. Approximately 600' cable per winch. Report findings to COR within 3 business days.

3.5.6. Boom and Mast/Crane: Perform visual and performance inspection of pulleys and entire system. Disassemble all parts. Report findings to COR within 3 business days.

3.5.7. Boom Winches: Refurbish one 5-ton boom winch and one 2-ton boom winch to like new. The winches are Wintech, model HM8. Disassemble all parts. Reassemble, service, and install new bearings. Remove, inspect, and reinstall galvanized wire core cable (5/8"). Approximately 100' cable. Report findings to COR within 3 business days.

3.5.8. Capstan: Perform visual and performance inspection. If repairs or replacement is required, notify COR and CO within 3 business days.

3.5.9. Anchors:

3.5.9.1. Remove all four anchors and four sets of chain from the deck. (1000 lbs, 500 lbs, (2) 150 lbs)

3.5.9.2. Pressure wash anchors and chain to remove all growth and loose scale.

3.5.9.3. Inspect anchors and chain. Document and report section loss or any areas that need attention, notify the COR and CO within 3 business days.

3.5.9.4. Replace anchors and chain to original placement.

3.5.10. Aluminum Staircase and Ladder

3.5.10.1. Pressure wash and clean aluminum staircase and ladder.

3.5.10.2. Fix bent outside rib on bottom stair. Weld back to original position.

3.6. **TASK 5 – Interior Hull Painting:**

3.6.1. Interior Bilge Painting (Spec Section 00300): All painting shall be performed in accordance with manufacturer's recommendations. Provide plan for completing bilge painting with tanks and other appurtenances in the vicinity within 10 business days after the period of performance start date.

3.6.1.1. Protections: Protect, mask off and/or move light fixtures, electrical wiring, water pumps, valves, filters, treatment components, plumbing lines, motor starters, other electrical enclosures, bilge pumps, tables, and other equipment not integral to the hull as needed. Potable water tank, diesel oil tank, generators, part of aeration tank, and various plumbing are in the vicinity. All items shall be removed from the area during sandblasting or protected. All appurtenances to be reinstalled by contractor and checked for functionality. Any damage incurred by contractor to existing systems shall be repaired at contractor's expense.

3.6.1.2. Locations: Bilge floor, stiffeners, sides and ceiling of the Chickamin to be prepared and painted where rust spots have formed and existing paint has been compromised.

The following are estimate of areas requiring repair:

3.6.1.2.1. Aft (generator compartment): 45 SQFT

3.6.1.2.2. Main: 250 SQFT

3.6.1.2.3. Forward: 150 SQFT

3.7. **TASK 6 – Bilge Tank Cleaning:** No tanks shall be filled prior to Government inspection and acceptance. Coordinate with COR 3 business day in advance of needing inspection.

3.7.1. Water Tanks: Empty, clean and shock two 1200-gallon water tanks in the main compartment and one 300-gallon tank in the forward compartment. The Contractor shall report any areas that may need additional repair and refill with clean treated city water after Government inspection.

3.7.2. Fuel Tanks: Empty, clean and return fuel to two 1200-gallon fuel oil tanks in bilge. The Contractor shall report any areas that may need additional repair and return fuel after Government inspection.

3.7.3. Septic Tanks: Pump and remove all sludge from existing cylindrical aeration tank, primary and secondary treatment tanks. The Contractor shall report any areas that may need additional repair and allow for Government inspection.

3.8. TASK 7 OPTION ITEM – Building Exterior Decks:

3.8.1. Exterior Upper Decks: Remove existing second story plywood decks forward and aft. Replace and install new LockDry® aluminum planking or approved equal to replace the rotting plywood system.

3.8.1.1. Remove and reinstall handrails, four deck mounted lights, rainwater filter housing, and any other appurtenances mounted to the deck.

3.8.1.2. Lower deck framing such that surface of aluminum decking will be 1 inch below the threshold of the exterior doors on the second floor of the building. If pressure treated material is to be notched, wood exposed by notching shall be field treated using two applications of copper naphthanate.

3.8.1.3. Install pressure treated wood blocking between deck framing in locations required to receive the steel rail attachment lag bolts.

3.8.1.4. Install aluminum decking parallel to the long dimension of the barge. Install manufacturer's "L" shaped edge at all edges. Install Vinyl 1x12 boards around perimeter of the decks.

3.9. TASK 8 OPTION ITEM – Service Zodiac Liferafts:

3.9.1. Service and certify two (2) round container Survitec Zodiac Solas B Liferafts (inspection and repacking of the equipment) shall be completed according to the manufacturers (OEM) service instructions. Provide certification to COR within 3 business days of inspection.

3.9.1.1. Serial No. 2FG18F212-D and 2FG21F212-D

3.10. TASK 9 OPTION ITEM – Towing from Thorne Bay, Alaska:

3.10.1. Tow Chickamin Barge from the city of Thorne Bay harbor to Contractor's drydock facility. Coordinate the tow schedule with the COR 7 business days in advance.

3.10.2. Disconnect all lines and anchors securing the vessel. Secure all lines, zincs and anchors on deck prior to departure. All anchor cables shall be wound onto the vessel anchor winches.

3.10.3. Secure all deck items. Close all hatches and vents prior to towing.

4. Deliverable / Schedule

The Contractor shall submit an electronic copy of all deliverables for this PWS to the CO and COR in PDF format and phrased in layperson language. Below is a list of all deliverables outlining each objective and due date.

Deliverable	Reference	Objective	Due date
Work Schedule	3.1.3	Provide a written schedule showing proposed dates for accomplishing all work items.	Within 3 business days after period of performance start date, and within 3 business days of any revisions.
Post-Work Inspection Report	3.1.4	Perform a final condition survey of the barge, providing written verification that the systems and equipment are in the same or better condition as was documented during the pre-towing inspection.	Submit the documentation to the COR within 3 business days after the completion of all work items.
Electrical and Shore Power	3.1.10	Coordinate prior to connecting the barge to shore power or working on any electrical components of the barge.	Coordinate with COR 3 business days prior.
Pre-Towing Inspection Report	3.2.1	Perform a condition survey of the barge, providing written documentation and visual condition.	Submit the documentation to the COR prior to departure.
Blocking Plan	3.3.2	Provide a new blocking plan for approval.	Submit the documentation to the COR a minimum of 3 business days prior to commencing work.
Preparation for Haul Out	3.3.3	Coordinate COR inspection of block or railway setup.	The contractor shall coordinate with the COR 3 business days in advance of needing inspection.
Haul Out	3.3.4	Coordinate date of barge haul out.	The Contractor shall coordinate with the COR 7 business days prior to any haul out.

Condition Inspection Reports	3.4.1 3.5.5 3.5.6 3.5.7 3.5.8 3.5.9.3	Report findings of condition with recommendations of any repairs needed to COR and CO.	Within 3 business days after inspection.
Interior Bilge Painting Plan	3.6.1	Provide plan for completing bilge painting with tanks and other appurtenances in the vicinity.	Within 10 business days after period of performance start date.
Bilge Tanks Cleaning	3.7.1 3.7.2 3.7.3	Allow Government to inspect prior to refilling. Report findings of condition with recommendations of any repairs needed to COR and CO and allow for Government Inspection.	Coordinate with COR 3 business days in advance of needing inspection. Report findings within 3 business days of inspection.
Service Zodiac Lifteraft	3.9.1	Provide certification of servicing.	Within 3 business days after inspection.
Painting Submittal	Spec Section 00300	Provide a list of all coating products to be used. For each different type of paint, show location, number of coats, coat thickness, and total thickness.	Within 10 business days after period of performance start date.
Towing From Thorne Bay, Alaska	3.10	Coordinate tow schedule with COR.	7 business days in advance of tow operations.

5. Government Furnished - NA

6. Performance Requirement Measures

Tasks	Performance Objective	Performance Standard	Method of Surveillance	Corrective Action
Task 1 and 9: Towing	Tow the barge to and from its present moorage to the contractor's place of work without damage.	100% of the requirement satisfied.	Periodic surveillance by the COR.	Correct any damage sustained from towing operations.
Task 2: Haul Out, Lay Days	Successful blocking and haul out of barge	100% of the requirement satisfied.	Periodic surveillance by the COR.	Rework at no cost to the government.

Task 3: Exterior Hull Painting and Repairs	Sandblasting and painting performed in accordance with manufacturer's recommendations.	Zero deviation, all services performed to manufacturers' requirements within the schedule.	Periodic surveillance by the COR.	Substandard finishes that do not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted, shall be removed and replaced at no cost to the Government.
Task 3: Zincs	Remove hanging zincs and install 8 bolt-on zincs.	Zero deviation, all services performed to manufacturers' requirements within the schedule.	Periodic surveillance by the COR.	Rework areas that do not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted, at no cost to the Government.
Task 4: Exterior (Barge) Deck and Appurtenances Painting	Sandblasting and painting performed in accordance with manufacturer's recommendations.	Zero deviation, all services performed to manufacturers' requirements within the schedule.	Periodic surveillance by the COR.	Repair or replace any damaged siding due to work performed. Substandard finishes that do not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted, shall be removed and replaced at no cost to the Government.
Task 4: Appurtenances	Service, repair and refurbishment of appurtenances, anchors, stairs and ladders.	Zero deviation, all services performed to manufacturers' requirements within the schedule.	Periodic surveillance by the COR.	Rework items that do not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted, at no cost to the Government.
Task 5: Interior Hull Painting	Sandblasting and painting performed in accordance with manufacturer's recommendations.	Zero deviation, all services performed to manufacturers' requirements within the schedule.	Periodic surveillance by the COR.	Substandard finishes that do not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted, shall be removed and replaced at no cost to the Government.
Task 6: Bilge Tank Cleaning	Empty and clean water, fuel, and septic tanks.	98% of the requirement satisfied.	Periodic surveillance by the COR.	Rework at no cost to the government.

Option Item Task 7: Building Exterior Decks	Replace and install new aluminum decking to replace the rotting plywood system	100% of the requirement satisfied.	Periodic surveillance by the COR.	Rework areas that do not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted, at no cost to the Government.
Option Item Task 8: Service Zodiac Liferafts	Service two Zodiac Liferafts	100% of the requirement satisfied.	Periodic surveillance by the COR.	Rework at no cost to the government.

7. APPENDIXES:

Appendix 1 Preparation and Painting Specification 00300

Appendix 2 Chickamin Barge Framing

Appendix 3 Chickamin Barge Block Layout Nov18

Appendix 4 Chickamin Photos