

**PERFORMANCE WORK STATEMENT (PWS)
MRPO Barge #600 Hydraulic Line Replacement**

**Part 1
General Information**

1. General:

This is a non-personal, performance-based service for repairs to Equipment Barge #600, including the replacement of flexible and rigid hydraulic lines. The steel rigid hydraulic line is housed above deck inside the protective house along the length of the barge, and the flexible lines run inside the hull between bulkheads. The Government shall not exercise supervision or control over contractor personnel performing these services. Contractor personnel shall be accountable solely to the Contractor, who is responsible to the Government for contract performance.

1.1 Background:

The spud barge and the excavator buckets are used to perform maintenance services on parts of the Missouri River Recovery Program, Bank Stabilization and Navigation Project (BSNP), Fish and Wildlife Mitigation Projects.

1.2 Objectives:

The objective of this work is to complete hydraulic line replacement on Barge #600 to provide a complete operational leak free system.

1.3 Scope:

The Contractor shall perform hydraulic line replacement as described herein on Barge #600. The barge will be docked in the mooring bay at the location designated on the MRPO Location Map (see map below). Access to the barge is available from land. The facility address is 9901 John J. Pershing Drive, Omaha, NE 68112.

2. Description of Services:

The Contractor shall provide all personnel, equipment, materials, supplies, tools, supervision, transportation, facilities, and all other items necessary to complete the rigid and flexible hydraulic line replacement on Barge #600. All work shall be performed as defined in this Performance Work Statement (PWS), except for those items designated as Government-furnished property or services. The Contractor shall perform all work in accordance with the standards and requirements of this requirement.

The work includes, but is not limited to:

- Draining the lines of the hydraulic system to allow replacement of rigid and flexible hydraulic lines
- Removal and replacement of the rigid steel hydraulic lines inside the doghouse running the length of the barge
 - Operating pressure of the system is 3000 psi. One (1) supply line is 1.5" diameter, one (1) supply line is 1.75" diameter, and one (1) return line is 2" diameter. Replacement materials shall be Schedule 160 seamless steel pipe, ASTM A106 Grade B or ASTM A333 Grade 6, with socket weld fittings. Work shall include any necessary cutting of access holes to accommodate removal of the lines and patching the access holes upon completion. Contractor shall inspect and quantify the size and number of lines and fittings required to complete the work. Failure to attend the site visit and inspecting the barge prior to the company submitting their quote will not be an accept reason for

a change during performance.

- Removal and replacement of all flexible lines, including bulkhead fittings between the lines, inside the hull of the barge (confined space)
 - Operating pressure of the system is 3000 psi. Contractor shall inspect and quantify the size and number of lines and fittings required to complete the work prior. Failure to attend the site visit and inspecting the barge prior to the company submitting their quote will not be an accept reason for a change during performance.
- Pressure testing of lines and fittings installed under the contract. Existing fittings and other system components not replaced are exempt from testing.
- Implementation of engineering controls, containment systems, and work practices to prevent the release of dust, debris, wastewater, or other fluids.
- Protection of workers, the public, and the environment during all phases of the work
- Collection, characterization, handling, transportation, and lawful disposal of waste materials
- Final cleaning
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Work inside the hull for flexible hydraulic line replacement and testing will be performed within a designated Permit-Required Confined Space. All confined space entry activities shall comply with EM 385-1-1, 29 CFR 1926, 29 CFR 1910, and OSHA Directive CPL 2.100. Any potential confined space hazards require implementation of a full permit system. The Contractor shall develop and maintain on-site rescue and recovery procedures and shall coordinate with local emergency responders; however, the rescue plan must not rely on local emergency responders to perform confined space rescue.

2.1 Period of Performance:

Hydraulic line replacement shall be completed between **November 15, 2026, and March 15, 2027**. The contractor shall complete all work after mobilization to the site, but no later than March 15, 2027.

Demobilization from the site is not authorized until the barge is inspected and accepted by the government team.

All services shall be completed, inspected, tested, accepted and ready for service no later than March 15, 2027.

2.2 General Information

2.2.1 Quality Control:

The contractor shall develop and maintain an effective quality control program to ensure services are performed in accordance with the PWS. The contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. The contractor's quality control program is the means by which the contractor assures the work complies with the requirement of the award.

2.2.2 Quality Assurance:

The government shall evaluate the contractor's performance under this contract in accordance with the Quality Assurance Surveillance Plan. This plan is primarily focused on what the Government must do to ensure that the contractor has performed in accordance with the performance standards. The Government has the right to inspect all services called for by the contract, to the extent practicable at all times and places during the term of the contract.

The Contractor is responsible to replace/repair any damage to Government property due to negligence, at their own cost. The Government may take action, if the Contractor fails to replace/repair any damage to Government property. The Government may (1) by contract, or otherwise, replace/repair damaged government property and charge to the Contractor any cost incurred by the Government to replace/repair

any damage.

2.2.3 Recognized Holidays:

The Contractor shall NOT perform services on the Federal holidays listed below:

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	

2.2.4 Hours of Operation:

The contractor is responsible for conducting business, between the hours of 7:00 am – 3:30 pm, Monday through Friday except Federal holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. The Contractor must at all times maintain an adequate workforce for the uninterrupted performance of all tasks defined within this PWS when the Government facility is not closed for the above reasons.

2.2.5 Place of Performance:

The work to be performed under this contract will be performed at 9901 John J Pershing Drive, Omaha, NE 68112. See the map in Attachment 1.

2.2.6 Type of Contract:

The government will award a firm-fixed price service award.

2.2.7 Payment:

The Government will make one (1) payment upon completion of all requirements in accordance with this PWS. For an invoice to be considered proper the Contractor must provide, on the invoice, the contractor's name as registered, address, contract number, CLIN number, and amount requested. The Contractor shall submit one (1) invoice upon completion of all services in accordance with the period of performance stated in this PWS.

2.3 Submittals:

The Contractor shall submit the following documents to the Contracting Officer's Representative (COR) for review and approval in accordance with the timeline specified in Technical Exhibit 2, Deliverables Schedule. Work shall not commence until required submittals are reviewed and accepted.

- a) Site-Specific Health and Safety Plan
- b) Site Specific Work Plan
- c) List of E-Verified Personnel assigned to the project
- d) Permit-Required Confined Space (PRCS) Permits
- e) Safety Data Sheets (SDS) for all materials and chemicals used
- f) Proof of Insurance for Contractor and all Subcontractors
- g) Material Certifications for all new hydraulic lines prior to installation

2.3.1 Site-Specific Health and Safety Plan (SSHASP)

- Prepared in accordance with EM 385-1-1
- PPE, respiratory protection, and exposure controls

2.3.2 Site Specific Work Plan

The Contractor shall develop, submit, and implement a detailed comprehensive, site-specific Work Plan that includes but is not limited to the following plans, procedures, and documentation:

2.3.2.1 Hot Work Plan:

- Fire prevention measures
- Fire watch procedures

2.3.2.2 Accident Prevention Plan (APP)

2.3.2.3 Activity Hazard Analyses (AHAs) for all work activities

2.3.2.4 Personnel Qualifications and Training Certifications, including:

- Confined space entry training
- Hot work training

2.3.2.5 Emergency Response Plan, including:

- Confined-space rescue team and procedures
- Medical emergency response protocols

2.3.2.6 Calibration Certificates for all air monitoring and detection equipment

2.3.2.7 Waste Management and Disposal Plan:

- Hazardous waste characterization and approved disposal methods

2.3.2.8 Activity Hazard Analysis (AHA):

- The Contractor shall prepare the AHA in accordance with Paragraph 2-6 of the EM 385-1-1. ENG FORM 6206, Activity Hazard Analysis (AHA): (<https://www.publications.usace.army.mil/LinkClick.aspx?fileticket=K66no-4Lv4%3d&tabid=16438&portalid=76&mid=43543>)

Note: Contractors and other individual employers typically use Job Safety Analyses (JSAs), Job Hazard Analyses (JHAs), or similar Risk Management assessment tools. The Government considers equivalent to, and acceptable substitutes for, the USACE's AHA provided the data collected is the same as that required by the AHA, commensurate with the type of services the Contractor is performing.

2.3.3 Accident Prevention Plan (APP):

The Contractor shall prepare an APP in accordance with Paragraph 2-7 of EM 385-1-1. The Contractor shall only need to submit items in Part 11 that are pertinent to the contract. The Contractor shall use a qualified person to prepare the site-specific Accident Prevention Plan (APP). The Contractor shall prepare the APP in accordance with the format and requirements of the EM 385-1-1 and supplemented herein. The Contractor shall sign and submit the APP to the COR for approval prior to the start of work onsite.

- ENG Form 6293, Accident Prevention Plan (APP) Worksheet (mandatory) (https://www.publications.usace.army.mil/LinkClick.aspx?fileticket=LmW_eJDoLpI%3d&tabid=16438&portalid=76&mid=43543)

2.4 Standards and Regulations:

The Contractor shall perform all work in accordance with the contract requirements and shall comply with all applicable Federal, State, and Local laws, regulations, and codes. The Contractor is responsible for determining the applicability of all regulations to the work performed under this contract and for obtaining all permits and approvals necessary to legally complete the work.

Applicable regulations include, but are not limited to, the following:

- Code of Federal Regulations (CFR), Title 36, Chapter III, Part 327, Rules and Regulations Governing Public Use on Corps of Engineers Water Resource Development Projects, EP 1165-2-316 (http://www.publications.usace.army.mil/Portals/76/Publications/EngineerPamphlets/EP_1165-2-316.pdf?ver=2013-08-22-104526-670)
- Engineering Manual (EM) 385-1-1, Safety and Health Requirements Manual, dated March 2024; (https://www.publications.usace.army.mil/Portals/76/EM%20385-1-1%20_EFFECTIVE%2015March2024.pdf)
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Occupational Safety and Health Administration (OSHA) regulations, including but not limited to:

- 29 CFR 1910 – General Industry
- 29 CFR 1926 – Construction (as applicable)
- 29 CFR 1915 Subpart B – Confined Spaces

2.5 Special Qualifications:

All work shall be completed to within the original factory specifications by a qualified/ certified welder with appropriate experience and/or certifications for welding services, and repairs. All work shall be completed, and repairs shall look same as before the work was performed. The contractor shall become thoroughly familiar with the details of the work, verify all concerns in the field, and advise the Government POC and/or COR of any discrepancy before performing work.

2.6 Post Award Conference/Periodic Progress Meetings:

The Contractor agrees to attend any post award meetings convened by the Contracting Officer or Contracting Officers Representative (COR). At these meetings the COR will appraise the contractor of the contractor's performance, and the contractor will appraise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the government.

2.7 Contracting Officer Representative (COR):

The COR monitors all technical aspects of the contract and assists in contract administration. The COR is authorized to perform the following functions: assure that the Contractor performs the technical requirements of the contract; perform inspections necessary in connection with contract performance; maintain written and oral communications with the Contractor concerning technical aspects of the contract; issue written interpretations of technical requirements, including Government drawings, designs, specifications; monitor Contractor's performance and notifies both the Contracting Officer and Contractor of any deficiencies; coordinate availability of government furnished property, and provide site entry of Contractor personnel. The COR is not authorized to change any of the terms and conditions of the resulting order.

PART 3 DEFINITIONS & ACRONYMS

3 DEFINITIONS AND ACRONYMS:

3.1 Definitions:

CONTRACTOR. A supplier or vendor awarded a contract to provide specific supplies or service to the government. The term used in this contract refers to the prime.

CONTRACTING OFFICER. A person with authority to enter into, administer, or terminate contracts, and make related determinations and findings on behalf of the government. Note: The only individual who can legally bind the government.

CONTRACTING OFFICER'S REPRESENTATIVE (COR). An employee of the U.S. Government appointed by the contracting officer to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.

DEFECTIVE SERVICE. A service output that does not meet the standard of performance associated with the Performance Work Statement.

DELIVERABLE. Anything that can be physically delivered, but may include non-manufactured things such as meeting minutes or reports.

KEY PERSONNEL. Contractor personnel that are evaluated in a source selection process and that may be required to be used in the performance of a contract by the Key Personnel listed in the PWS. When key personnel are used as an evaluation factor in best value procurement, an offer can be rejected if it does not have a firm commitment from the persons that are listed in the proposal.

PHYSICAL SECURITY. Actions that prevent the loss or damage of Government property.

QUALITY ASSURANCE. The government procedures to verify that services being performed by the Contractor are performed according to acceptable standards.

QUALITY ASSURANCE Surveillance Plan (QASP). An organized written document specifying the surveillance methodology to be used for surveillance of contractor performance.

QUALITY CONTROL. All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

SUBCONTRACTOR. One that enters into a contract with a prime contractor. The Government does not have privity of contract with the subcontractor.

WORKDAY. The number of hours per day the Contractor provides services in accordance with the award.

WORK WEEK. Monday through Friday, unless specified otherwise.

PART 4 GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, AND SERVICES

4 GOVERNMENT FURNISHED ITEMS AND SERVICES:

4.1 Services:

The Government will NOT provide any services to the contractor.

4.2 Facilities:

The Government will provide restroom facilities for the contractor personnel.

4.3 Utilities:

The Government will provide utilities currently available, such as electricity and city water. The Contractor shall instruct employees in utilities conservation practices. The contractor shall be responsible for operating under conditions that preclude the waste of utilities, which include turning off the water faucets or valves after using the required amount to accomplish the work.

4.4 Equipment:

The Government will NOT provide any equipment to the contractor.

4.5 Materials:

The Government will NOT provide any materials to the contractor.

PART 5 CONTRACTOR FURNISHED ITEMS AND SERVICES

5 CONTRACTOR FURNISHED ITEMS AND RESPONSIBILITIES:

5.1 General:

The Contractor shall furnish all supplies, equipment, facilities, and services required to perform the work defined in this PWS.

5.2 Utilities:

The contractor shall furnish additional utilities not currently available on site. The Contractor shall furnish their own heat source while working in the barge during cold weather conditions. The contractor shall provide additional lightning as necessary to complete the work.

5.3 Materials:

The Contractor shall furnish all materials required to perform the work defined in this PWS.

5.4 Equipment:

The Contractor shall furnish all equipment required to perform the work defined in this PWS. The contractor shall furnish a heat source for the barge if required to perform the work defined in this PWS during cold weather conditions.

5.5 Equipment and Property Liability:

It is the Contractor's responsibility to secure their equipment and personal property during working and non-working hours. The Government will not be held liable for damaged, lost, stolen, or vandalized equipment or property.

PART 6 SPECIFIC TASKS

6. Specific Tasks:

6.1 Basic Services.

The contractor shall provide services to remove and replace hydraulic lines on the equipment barge #600 as defined in this Performance Work Statement.

Operating pressure of the hydraulic system is 3000 psi.

The rigid hydraulic lines consist of ~~one two (1 2)~~ supply line in 1.5" diameter, ~~one (1) supply line in 1.75" diameter~~, and one (1) return line in 2" diameter. Replacement materials shall be Schedule 160 seamless steel pipe, ASTM A106 Grade B or ASTM A333 Grade 6, with socket weld fittings. Work shall include any necessary cutting of access holes to accommodate removal of the lines and patching the access holes upon completion.

Contractor shall inspect and quantify the size and number of lines and fittings required to complete the work prior to submitting their quote. ~~An onsite pre-bid inspection is scheduled for 15 September 2026 at the Missouri River Project Office. (See Paragraph 1.3).~~ Flexible hydraulic lines shall consist of synthetic inner tube with high-tensile reinforcement wire per SAE 100R12. The inner tube core materials shall be nitrile (NBR / Buna-N), neoprene (CR), or fluoroelastomer (FKM / Viton). The lines shall also be USCG Approved / SAE J1942 Type A.

The contractor shall provide Product Manufacturer specification sheets to the US Army Corps of Engineers which detail the parts used. If the contractor needs to purchase additional steel for patching the doghouse, it shall be ASTM A36 Carbon Structural Steel used to repair.

The contractor shall become thoroughly familiar with the details of the work. Actual dimensions in the field may vary from the drawings. The Contractor shall verify all dimensions on the drawings, address differences or concerns in the field, and advise the Government POC and/or COR of any discrepancy before performing work. All work shall be completed in accordance with the contract documents by welders with appropriate experience and/or certifications for commercial welding and repair. The contractor shall provide all manpower, tools, welder and parts required to complete the repairs.

Work to replace the flexible hydraulic lines inside the hull will be performed within a designated Permit-Required Confined Space. All confined space entry activities shall comply with EM 385-1-1, 29 CFR 1926, 29 CFR 1910, and OSHA Directive CPL 2.100. Any potential confined space hazards require implementation of a full permit system. The Contractor shall develop and maintain on-site rescue and recovery procedures and shall coordinate with local emergency responders; however, the rescue plan must not rely on local emergency responders to perform confined space rescue.

~~**Welding Repair of Barge #600 Spud Well (Confined Space).** See Attachment 1 for the contract drawings. This work consists of performing welding repairs on the damaged and leaking spud well box of Equipment Barge #600, including all required confined space entry procedures.~~

~~The work includes removing existing lead-based paint in the work area in full compliance with all applicable safety, environmental, local, state, and federal laws and regulations and preparing all steel surfaces for cutting~~

and welding.

An access opening shall be cut into the interior bulkhead wall large enough to allow safe entry and sufficient welding access to the spud well box (see contract drawings). After all work is complete, the removed section shall be reinstalled and fully welded back into place to restore the bulkhead to its original watertight condition.

The damaged and leaking corners of the spud well box shall be accessed and repaired as described and shown in the attached contract drawings. Full penetration welds shall be required to restore structural integrity and watertightness of the spud well box before welding in steel reinforcement.

Contractor shall weld $\frac{3}{4}$ inch thick $\times$ 6 inch wide angle iron reinforcement around the spud well box at the top and bottom on the spud well box as shown on the contract drawings (Attachment 1). Full length $\frac{3}{4}$ inch thick $\times$ 6 inch wide angle iron reinforcement shall be installed on all four outside corners of the spud well box, extending from the bottom of the interior deck to the top of the interior deck. Centered $\frac{3}{4}$ inch $\times$ 6 inch flat stock reinforcement plates shall be welded at the middle on all four sides of the spud well box to tie the corner angles together, as shown on the contract drawings. All reinforcement shall be fully welded on all sides with no skip welding permitted.

All welding shall be performed using E7018 electrodes, with a proper root pass followed by a minimum of three additional passes on all welded joints. Welds shall meet structural, quality, and inspection standards for marine repairs by qualified welders.

All work occurs inside a designated confined space barge compartment, confined space entry procedures including atmospheric monitoring, ventilation, and use of an attendant shall be followed at all times.

PART 6 TECHNICAL EXHIBIT 1

a. Technical Exhibit 1 – Work Location Map



Technical Exhibit 1: MRPO Location Map. Work Area is highlighted in red.
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b. Technical Exhibit 2 – Submittal Schedule

Deliverable	Frequency	# of Copies	Format	Submit To
Site-Specific Health and Safety Plan	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR
Site Specific Work Plan	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR
Permit Required Confined Space (PRCS) Permit	Initial permit form approval 14 business days before work begins. Completed forms 24 hours after entry completed.	1	.PDF Format	Submit Digital Copy to COR
ASTM A36 Carbon Structural Steel Specification Sheets, if needed	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR
Manufacturer product specification sheets for all parts used to replace rigid hydraulic lines	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR
Manufacturer product specification sheets for all parts used to replace flexible hydraulic lines	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR
Safety Data Sheets (SDS) for all materials and chemicals used.	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR
List of E-Verified Personnel	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR
Proof of Insurance for Prime Contractor and Subcontractors	14 business days before Work Begins	1	.PDF Format	Submit Digital Copy to COR

Technical Exhibit 3 – Record Pictures of Rigid Hydraulic Line Installation
(Please see attachment)