

Colonna's Shipyard, Inc.

YRBM(L)-27

Subcontractor and Material Flowdown Document

Prime Contract No. N5005420D0003 / Delivery Order No. N5005421F5022

This document contains portions of Contract No. N50054-20-D-0003 that must be adhered to by all subcontractors and material providers working for Colonna's Shipyard, Inc. in support of the stated contract. In all instances, replace "Government" with "Colonna's Shipyard, Inc." and "Contractor" with "Subcontractor". Any and all provisions contained in this document are considered flowdown clauses, and compliance by all subcontractors and material providers is required.

C.3.1.1 The following Category I and II NAVSEA STANDARD ITEMS (NSI) may be viewed on the Internet at <https://www.navsea.navy.mil/Home/RMC/CNRMC/Our-Profiles/SSRAC/NSI/> and will be invoked on all delivery orders:

009-01	General Criteria; accomplish	I	30 APR2018
009-02	Environmental Compliance Report for Material Usage; accomplish	I	30 APR2018
009-03	Toxic and Hazardous Substance; control	I	01 OCT 2017
009-04	Quality Management System; provide	I	01 OCT 2017
009-05	Temporary Access; accomplish	II	18 NOV 2016
009-06	Maintaining Protection and Cleanliness from Non-Radioactive Operations; accomplish	I	31 AUG 2018
009-07	Confined Space Entry, Certification, Fire Prevention and Housekeeping; accomplish	I	01 OCT 2017
009-08	Shipboard Fire Protection and Fire Prevention; accomplish	I	31 AUG 2018
009-10	Asbestos-Containing Material (ACM); control	I	30APR2018
009-11	Insulation and Lagging; accomplish	II	01 OCT2017
009-12	Weld, Fabricate, and Inspect; accomplish	II	30 APR 2018
009-14	Gage, Switch, and Thermometer; repair	II	01 OCT2017
009-20	Government Property; control	I	01 OCT2017
009-23	Interference; remove and install	I	30 APR2018
009-24	Authorization, Control, Isolation, Blanking, Tagging and Cleanliness; accomplish	I	30 APR2018
009-25	Structural Boundary Test; accomplish	II	06 MAR2018
009-26	Deck Covering; accomplish	II	30 APR2018
009-32	Cleaning and Painting Requirements; accomplish	II	26 MAR2018
009-34	Fire Protection of Unmanned Vessel at Contractor Facility; accomplish	I	18 NOV 2016
009-60	Schedule and Associated Reports for Availabilities Over 9 Weeks in Duration; provide and manage	I	30 APR2018
009-61	Shipboard Use of Fluorocarbons; control	I	18 JUL 2014
009-67	Integrated Total Ship Testing; manage	I	30 APR2018
009-69	Heavy Weather/Mooring Plan; provide	I	30 APR2018
009-70	Confined Space Entry, Certification, Fire Protection, Fire Prevention, and Housekeeping for Unmanned Vessel; accomplish	I	26 MAR2018
009-72	Physical Security at a Private Contractor Facility; accomplish	I	31 AUG 2018
009-74	Occupational, Safety and Health Plan; accomplish	I	30 APR2018
009-80	Ship Facilities; maintain	I	18 NOV 2016
009-81	Compartment Closeout; accomplish	I	31 AUG 2018
009-84	Threaded Fastener Requirements; accomplish	I	01 OCT2017
009-86	Recovery and Turn-In of Ozone Depleting Substance (ODS); accomplish	II	18 NOV 2016
009-88	Collection, Holding and Transfer (CHT) and Motor Gasoline(MOGAS) Tanks, Spaces, and Piping, including Sewage or MOGAS-Contaminated Tanks, Spaces, and Piping; certify	II	18 NOV 2016
009-93	Emergency Planning and Community Right-to-Know Act (EPCRA) and Pollution Prevention Act (PPA) Information; provide	I	06MAR2018
09-101	Ship Transit and Berthing; accomplish	I	18 NOV 2016

C.3.1.2 Category I and II NAVSEA STANDARD ITEMS (NSI) not listed in C.4.1.1 may be viewed on the internet at <https://www.navsea.navy.mil/Home/RMC/CNRMC/Our-Profiles/SSRAC/NSI/> and will be invoked on individual delivery orders as required.

C.3.1.3 The following LOCAL WORK TEMPLATES (LWTs) will be provided as attachments and will be invoked on individual delivery orders as required:

042-005	Norfolk Naval Shipyard (NNSY) Work Authorization Form (WAF) Requirements; accomplish (Attachment J2)	11 Jan 2018
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042-009	General Requirements for Work Within Norfolk Naval Shipyard (For Ships/Craft Utilizing Convenience Berthing); accomplish (Attachment J3)	19 May 2018
042-006	General Occupational Safety, Health and Environment (OSHE) Requirements for Work Within Norfolk Naval Shipyard; accomplish (Attachment J4)	19 May 2018
042-005	General Requirements for Work Within Norfolk Naval Shipyard (NNSY); accomplish (Attachment J5)	19 May 2018
042-007	Security Requirements for Work Within Norfolk Naval Shipyard; accomplish (Attachment J6)	19 May 2018
042-038	General Requirements for Work Within Joint Expeditionary Base (JEB) Little Creek - Fort Story; accomplish (Attachment J7)	15 Oct 2018
042-037	General Requirements for Work Within Naval Station Norfolk; accomplish (Attachment J8)	12 Oct 2018

C.3.1.4 The following STANDARD WORK TEMPLATES (SWTs) will be provided as attachments and will be invoked on individual delivery orders as required:

042-005	Accountability of Manhour and Material Reservation; accomplish (Attachment J9)	23 Oct 2018
077-001	Hazardous Waste Produced on Naval Vessels; control(Attachment J10)	27 Dec 2016

C.3.1.5 SL740-AA-MAN-010, U.S. Navy Towing Manual, 25 January 2006 (Available for review at the MARMC Technical Library)

C.3.1.6 Barge Systems and Equipment Check List (BSEC) (Attachment J11)

C.3.1.7 NAVSEAINST 11101.1, Attachment B, Winterizing Barges for Tow or Storage (Attachment J12)

C.3.1.8 U.S. Navy Shipboard Pest Control Manual (Available for review at the MARMC Technical Library)

NOTE: The contractor shall comply with the latest revision of these documents in effect at solicitation closing and when each option year is invoked. Additionally, in the event that there is any conflict between the references, NSIs, LWTs, and SWTs take precedence over technical manuals, specifications, and other references. NSIs take precedence over LWTs and SWTs. Other tiered drawings shall be followed when referenced.

#### C.4 GENERAL REQUIREMENTS

The following are applicable to the extent they apply to all repairs, modifications, testing and adjustments. Any cost to comply with these requirements shall be included in the price of the CLINs listed in Section B.

C.4.1 The Contractor Shall:

C.4.1.1 Exercise own judgment and expertise to assure the successful completion of all tasks placed hereunder

C.4.1.2 Designate those persons authorized to accept/reject orders.

C.4.1.3 Coordinate schedules in the work affected areas with the Ship's Authorized Representative (SAR), MAR.MC Maintenance Team (MT), and the Contracting Officer's Representative (COR) during the performance period of the delivery order. Obtain a copy of the ship's operation drills, etc. (prior to start of work) from the SAR, thus avoiding unnecessary delays. The work effort on delivery orders shall be coordinated on a daily basis with the SAR to allow for changing situations aboard ships to minimize delays and disruptions.

C.4.1.4 Forward all requests for changes in delivery schedules, funding requirements and scope of work in writing to the COR. These requests shall include specific details as to what changes are required and

circumstances requiring such and shall be submitted to the COR for forwarding to the ACO prior to 85% of delivery availability being exceeded.

C.4.1.5 Not respond to new performance requirements until a delivery order or a modification has been signed or verbal authorization has been given by the ACO.

C.4.1.6 Be responsible for inspection of workspaces prior to manning to ensure spaces are available for work to avoid unnecessary delays in day to day work schedule.

C.4.1.7 Comply with NSI 009-24 in accomplishing isolation, blanking and tagging of equipment, systems, circuits, components, piping and valves. Also comply with LWT 042-05 if the work is being performed in Norfolk Naval Shipyard. Work Authorization Form (WAF) will be utilized and invoked in conjunction with NSI 009-24 when work is being accomplished in Norfolk Naval Shipyard. The web site for the WAF is:

<http://www.submepp.csd.disa.mil/jfmm/jfmmfleetforms.htm>

C.4.1.8 Provide protection during contamination-producing operations and maintain cleanliness in accordance with NSI 009-06. Remove and properly dispose of all debris or trash resulting from cleaning, removal, installation or any other aspect of task performance. This will be required of all tasks performed on this contract whether at a Government facility or at a privately owned facility.

C.4.1.9 Include within the price for applicable ELINs the cost of any required lifting, handling, on-loading/off-loading, and transporting, whether on board or going from or to the ship. If crane support is to be provided, they will be contractor provided and priced in the individual ELIN.

C.4.1.10 Except as otherwise provided in this contract, or delivery orders issued hereunder, the Contractor shall provide all material, labor, equipment, supplies, power, accessories, facilities and such other supplies and support as necessary for accomplishing assigned tasks. The Contractor may request on a case-by-case basis to use ship's services that are available. A request for use of ship's services must be made to the SAR. Written permission will be obtained from the CO of the ship before actual use of any ship services. A request for ship's services may be turned down whether or not the requested service is available. Denial of a request for use of ship's services will not be a valid basis for any claim or request for compensation. Regardless of any request for ship's services, ship's services shall not be used for contractor life support systems (compressors for breathing air), lifting equipment or any other equipment wherein an unexpected disruption of services has a high potential for loss of life, injury or damage to the ship's equipment.

C.4.1.11 Clean and inspect piping flanges exposed by removals. Remove high spots, burrs, abrasions, and foreign matter, where removal can be accomplished by hand tools. Maintain phonographic finish on flanges that have it IAW S9086-RK-STM-010/CH-505 NS1M 505 Piping Systems - Section 6.4 - Flanged Joints.

C.4.1.12 Accomplish the requirements of NSI 009-40 for the use of contractor cranes at naval facilities. For work at other than naval facilities, contact the facility manager to determine the requirements and restrictions for crane operations prior to mobilization on-load, final determination of production sequencing and production zone layout, and demobilization off-load. Crane placement restrictions may affect production sequencing and zoning.

C.4.1.13 Ensure that persons assigned to render support hereunder are at all times under the direction and control of the contractor and are not employees of the Government.

C.4.1.14 Remove and dispose of all debris or trash resulting from cleaning, removal, installation or any other aspects of task performance, at the end of EACH WORK WEEK. This will be required of all tasks performed on this contract whether at a Government facility or at a privately owned facility.

C.4.1.15 Follow all applicable federal, state, and local laws concerning safety, health, and welfare of his personnel and equipment as well as other personnel and equipment within a close proximity of the ongoing work.

C.4.1.16 Obtain approval in accordance with the guidelines set forth in FAR 52.244-2, Utilization of Subcontracts and Government Permission Prior to Their Use prior to subcontracting any portion of the effort required by the specified delivery orders.

C.4.1.17 Contact the MARMC Duty Officer at (757) 739-5324 when problems are encountered after normal working hours.

C.4.1.18 Submit a written weekly report detailing the daily events and the progress made during the course of each day to the COR and Ship's Authorized Representative (SAR). Time and location for submission of the weekly report shall be agreed upon at the beginning of each delivery order and prior to the start of the work.

C.4.1.19 The contractor shall be responsible for tag out of systems to be repaired and the removal of all interferences. The contractor shall coordinate with the COR to verify that systems have been properly tagged-out and secured prior to any production effort. The contractor shall reinstall and perform necessary test(s) to all removed interferences/equipment upon completion of all installations specified herein. NSI 009-23 shall apply.

C.4.1.20 Accomplish preservation of the new and disturbed normally painted surfaces in accordance with NSI 009-32, "Cleaning and Painting Requirements; accomplish."

C.4.1.21 As required by 40 Code of Federal Regulations Part 63, painting operations shall be reported in accordance with NSIs 009-01 and 009-02 and LWTs 042-11, 042-37 and 042-38. The contractor, when awarded work within another contractor's facility, is required to contact the facility owner's environmental staff to determine requirements and report accordingly using federal requirements as standard.

C.4.1.22 Provide the necessary tools and test equipment to perform the repairs/maintenance actions.

C.4.1.23 Develop and implement test and quality assurance techniques in the performance of maintenance actions. Conduct operational tests and provide written, legible copies of all test results to the COR.

C.4.1.24 Accomplish the requirements of NSI 009-84 when using any temporary fasteners and NSI 009-95 when using any mechanically attached fittings.

C.4.1.25 The contractor shall provide all materials to be covered by Material ELINs (e.g., I11AB, I14AB, I15AB, I16AB). All materials to be commercial or marine grade quality.

C.4.1.26 Contractor personnel shall follow the requirements of NSI 009-08 when working within a privately owned ship repair facility.

C.4.1.27 Prior to the task start date, the contractor's On-Site Supervisor will meet with the COR to review the task plans, drawings and schedules. The contractor will immediately submit an itemized estimate for performing in accordance with the delivery order statement of work.

C.4.1.28 Accomplish the requirements of NSI 009-12 when any welding or brazing services are required.

C.4.2 Environmental and Safety Requirements. The contractor shall: Consider all insulation, lagging, deck tile, underlayment, gasket shipboard cabling and mastic to be asbestos-containing material (ACM) until it can be established by laboratory analysis, or other reliable methods, that the material does not contain asbestos, in accordance with 29 CFR 1915.1001. Removal, disturbance or disposal of ACM shall be accomplished IAW the requirements of NSI 009-10.

C.4.2.1 Consider all insulation, lagging, deck tile, underlayment, gasket shipboard cabling and mastic to be asbestos-containing material (ACM) until it can be established by laboratory analysis, or other reliable methods, that the material does not contain asbestos, in accordance with 29 CFR 1915.1001. Removal, disturbance or disposal of ACM shall be accomplished IAW the requirements of NSI 009-10.

C.4.2.2 Accomplish confined space entry, certification, fire prevention and housekeeping requirements of NSI 009-07 and 009-70. Maintain area cleanliness and ensure all residues and refuse are removed daily and ensure that general housekeeping is maintained for the duration of the task in the work areas specified on each delivery order.

C.4.2.3 Consider all solid waste to be removed from a ship under repair to be potentially hazardous waste. This includes liquids generated as a result of hydroblasting operations and includes wastes not identified under SWT 077-01. The contractor shall review and evaluate all solid waste to determine if that waste is hazardous IAW 40 CFR 262.11.

C.4.2.4 All solid waste with the known potential to be hazardous, including, but not limited to, non-skid debris, paint chip debris, flooring/debris, and all liquid waste water removed from the ship shall be tested by a certified laboratory for metals IAW 40 CFR 261.24 using the Toxicity Characteristic Leaching Procedure (TCLP), Method 1311 in EPA Publication SW-846. Contractor shall submit all laboratory analysis reports to the COR within 2 working days of receipt from the laboratory. No solid waste removed from the ship shall be transported off the facility until authorized by the COR.

C.4.2.5 Contractor shall prepare, provide and affix labels/placards for all containers of solid waste accumulated on the land, pier, and/or the vessel, including solid waste that is "Pending Analysis." Labels/placards shall be weatherproof, large enough to provide ready identification, and provide the following information:

- Contractor Name
- Contractor POC: (name, cell phone number, phone number)
- Vessel
- MARMC Contract Number
- MARMC Delivery Order Number
- COR Point of Contact (name, cell phone number, phone number)
- Ship's QTR Deck/OOD phone number
- Description of waste
- Analysis Pending/Sample date (if applicable)
- MARMC Maintenance Team Project Manager (name, cell phone number, phone number) if applicable
- MARMC Port Engineer (name, cell phone number, phone number) if applicable

C.4.2.6 For operations at Naval Station Norfolk, Joint Expeditionary Base Little Creek-Fort Story, and all private contractor shipyards in the Commonwealth of Virginia, all solid waste determined to be hazardous waste shall be turned over to the ship/vessel from which the waste was produced for processing and disposal through NAVFAC MIDLANT (formerly PWC) hazardous waste operations. For operations in Norfolk Naval Shipyard (NNSY), all hazardous waste shall be turned in to NNSY Code 106, via the MARMC COR, for disposal. For operations at Naval Facilities or private contractor's facilities outside the Commonwealth of Virginia, the contractor shall comply with all state and local regulations and local work items applicable in those areas.

C.4.2.7 In the event that a solid waste is determined to be non-hazardous, the contractor shall dispose of the waste in accordance with federal, state, and local regulations.

C.4.2.8 Provide a clean/empty barge or tank truck for off-loading and transport of wastewater generated to accomplish the requirements of the delivery order. The contractor shall coordinate the barge/tank truck placement with the SAR. The contractor is responsible for the barge/tank truck and all plumbing and piping up to 2000 linear feet. Accomplish continuous clean-up of all debris and fluids incidental to installation or removal of piping system components during performance of work in individual delivery orders.

C.4.2.9 When pumping wastewater from the ship/vessel to the barge/tank truck, the contractor shall provide a minimum of three (3) personnel to monitor pumping operations as follows: one person on the barge/tank

truck receiving the wastewater, one person walking the piping/hoses from the pumping site to the barge/tank truck, and one person at the pumping site. The three personnel shall be in constant radio contact so that pumping operations can be ceased immediately in the event of a leak or a spill.

C.4.2.10 The contractor shall submit to the COR, within 30 days of completion of each delivery order, one legible copy, in hard copy or PDF Format in electronic media, a report of the types and amounts of wastewater generated as a result of accomplishment of the delivery order. The report shall include: description of wastewater, volume of wastewater, name/address of transporter, and the name/address of the disposal facility. If work is performed in a private contractor's facility, the contractor shall submit this report to the COR and to the facility's environmental manager.

C.4.2.11 The contractor shall provide and maintain a quality assurance program acceptable to the Government, and shall perform or have performed the inspections and tests pursuant to that program to substantiate that the material and workmanship provided pursuant to the contract conform to the drawings, specifications, and contract requirements listed herein. The contractor's quality program shall be in accordance with that set forth in Standard Item 009-04.

The Government shall have the right to deem work or material furnished by the contractor to be incomplete and not in accordance with the requirements of the contract by reason of the contractor's failure to:

- 1) Provide a written quality assurance program that has been accepted by MARMC prior to the start of productive work
- 2) Comply with the requirements of the quality assurance system

NOTE: THE QUALITY ASSURANCE PROGRAM SHALL BE SUBMITTED TO THE COR WITH A COPY TO MARMC QA NO LATER THAN 10 CALENDAR DAYS AFTER AWARD OF CONTRACT. CONTRACTOR WILL NOT BE ISSUED DELIVERY ORDERS WITHOUT AN APPROVED QUALITY ASSURANCE PROGRAM.