

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 03-Sep-2015	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)
6. ISSUED BY COMMANDING OFFICER - NAVFAC MARIANAS IPT MILCON PSC 455, BOX 195 FPO AP 96540-2937	CODE N40192	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. N40192-15-R-1301	
		X	9B. DATED (SEE ITEM 11) 04-Aug-2015	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) N40192-15-R-1301 FY15 MAINTENANCE DREDGING AT VARIOUS LOCATIONS, APRA HARBOR, NAVAL BASE GUAM See SF30 Block 14 Continuation Page.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 03-Sep-2015

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

The following have been added by full text:

AMENDMENT 02

In accordance with FAR 52.252-3 Alterations in Solicitation (APR 1984), portions of this solicitation are altered as follows:

1. Replace in its entirety RFP Part 3 Project Program dated 20 August 2015 with RFP Part 3 Project Program dated 02 September 2015 provided as Attachment (1). NOTE: All revisions are highlighted in yellow.
2. Delete Part 6, Attachment drawing entitled "PROPOSED OFFLOADING SITE AND HAULING ROUTE, TR-1" with replacement page provided as Attachment (2).
3. Provide Notice 02 in response to requests for information provided as Attachment (3). Notice 02 is provided for INFORMATION ONLY. The solicitation remains unchanged unless it is amended in writing.
4. The date for receipt of proposals remains unchanged at Wednesday, September 9, 2015 at 4:30PM (Guam time).
5. Offerors shall acknowledge this amendment in Block 19 of the Standard Form 1442 with their proposals.

(End of Summary of Changes)

RFP Part 3 Statement of Work / Project Program

2 SEPTEMBER 2015

(Amendment 2)

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1. PROJECT DESCRIPTION

This is a "Design-Build" Multiple Award Construction Contract (DB-MACC) project intended to perform maintenance dredging at Various Wharves, Naval Base Guam.

The proposed performance period of this project is **780 calendar days**, commencing on the date of contract award. The performance period includes all required engineering design, reviews, approval of dredging and disposal operation plan, mobilization/de-mobilization, permitting, dredging and disposal, monitoring, corrections if required, acceptance and other requirements necessary to fully satisfy and deliver the requirements and intended purpose of the project.

2. PROJECT OBJECTIVES / REQUIREMENTS / SCOPE

The Navy proposes to conduct maintenance dredging at various locations within Apra Harbor including the entrance to Inner Apra Harbor, Alpha-Bravo Wharves and turning basin, and Lima, Mike and November Wharves. Maintenance dredging is required in this area to meet military operational requirement by ensuring adequate navigation depth for the draft requirements of current and future vessels. Maintenance dredging is planned to (-) 40 feet MLLW for the entrance to Inner Apra Harbor, Alpha-Bravo Wharves, and Alpha-Bravo turning basin. Maintenance dredging is planned to (-) 35 feet MLLW for Lima, Mike and November Wharves. The project scope of work generally includes, but is not limited to the following. See also Engineering Systems Requirements (ESR), Section 6 of this Part.

A) Dredging:

- Remove shoals/sediments from a point no closer than ten feet (10') from the face of the wharves/pier utilizing a barge mounted closed bucket excavator in accordance with (IAW) conditions and requirements to be defined in the approved Army Corps of Engineering (ACOE) permit, to restore navigational depths. Refer to Attachments in Part 6 for site and location map, project limits, and 2014 hydrographic survey.
- Before dredging operations can proceed, the Contractor shall submit ten copies of the dredging and disposal operation plan for review and approval by USACOE and NAVFAC via the Contracting Officer. The Plan shall include a copy of the dredging contract, contractor's site phone numbers, description of the proposed removal and disposal procedures, a best management practice plan, proposed methods to track and verify the transport and disposal of the dredged material, and an outline of the notification plan.
- Overdredge is allowed, but shall not exceed two feet (2') beyond the maintenance depth as defined in the above project objectives.
- If items of potential historical or archaeological significance are discovered during dredging and disposal activities, the Contractor shall stop work and immediately notify the Contracting Officer.
- The Contractor shall allow the USACOE District Engineer or his authorized representatives to inspect the dredging activity at any time to ensure that the dredging activity is being performed in accordance with the terms and conditions of the permit.
- Extreme care shall be taken to ensure that no debris, petroleum products or other deleterious materials or wastes be allowed to fall, flow, leach or otherwise enter the water.
- Install silt curtains to contain all sediment within and prevent suspended sediment from leaving the work area as well as control levels of turbidity.
- Areas outside the silt curtain shall be continuously monitored by the dredging contractor and/or its representatives for a visual plume of turbidity, and particular attention shall be directed to the areas closest to the mouth of the entrance channel.
- If a visual plume is detected, dredging shall cease until the source of the turbidity can be identified and corrective measures enacted.

- The Contractor shall provide for biological monitoring and water quality monitoring focused on turbidity and sedimentation levels in Outer/Inner Apra Harbor outside the dredge footprint. Rate and type of monitoring shall be in accordance with the approved ACOE permit and Attachments.
- The Contractor shall prevent scouring of benthic resources in areas outside the dredging footprint, particularly at the mouth of the Inner Harbor entrance channel. Any tow vessels, such as barges, scows and the like, shall be either lashed directly to the tow vessel, with no cable in the water, or connected to the tow vessel by floating line. All other operations shall be conducted in a manner that eliminates the possibility of dragging the cable or other equipment along the bottom and damaging aquatic resources.
- The Contractor shall immediately notify the Contracting Officer of any impacts that may occur. The Contractor shall initiate within 24 hours of any incident, the recovery and restoration of the damage to living coral outside of the dredge footprint in the event of unforeseen accidents, such as anchor damage or anchor cable scouring.
- The Contractor shall not allow any water of dredged material placed in a hopper dredge or disposal barge or scow to flow over the sides or leak from such vessels during the transportation to the Confined Disposal Facilities (CDF). The level that a disposal barge or scow can be filled shall not exceed the load line to prevent any dredged material from spilling over the sides at the dredge site. No disposal barge or scow shall be filled above this predetermined level.
- Provide suitable facilities and a workable method using mechanical offloading (barge transport to offloading site, offloading into sealed-end dump truck, truck hauling to CDF) for re-handling dredged materials, which shall be placed in a suitable upland location made to contain within and prevent dredge materials from leaving the disposal area (Note: Proposed offloading site is X-Ray Wharf (See D. Special Requirements below) and the disposal site shall be at the CDF #5. Refer to Part 6 Attachments for CDF #5 location and as-built plans). There shall be zero release from offloading and transport.

B) Environmental Considerations Mitigations:

- Impact to marine water quality during transport of scows to the offloading site shall be minimized by BMPs such as restricting load volumes to avoid over-flow during transport.
- Dredging operations shall cease during the coral spawning period.
- Sediment generating construction activities in waters of the U.S. must be avoided for a period of two weeks before to two weeks following predicted primary annual Scleractinian/hard coral spawning events.
- Contractor shall adhere to the latest version of U.S. Environmental Protection Agency's Standard Permit Conditions for Ocean Disposal of Suitable Sediments at the Guam Deep Ocean Disposal Site (G-DODS)
- Contractor must ensure that all construction related equipment, materials, and vessels are free of marine invasive species and pollutants. Should invasive species be discovered, operations must be postponed until the organisms are removed and contained. To prevent the introduction of invasive species and/or pollution transported on equipment, a Hazard Analysis Critical Control Points plan (HACCP) shall be developed and implemented for this project.
- See Part 6, Attachment 7 Environmental Conditions.

C) Disposal Sites:

- Approximately 13,400 CY of dredge material from east side of entrance channel (November, Mike and Lima Wharves) are to be disposed of at upland Confined Disposal Facility (CDF) Cell 5A located between Marine Drive and Sumay Drive and at the approved Guam Deep Ocean Disposal Site (G-ODMDS) as indicated in the attached drawings.

- Approximately 39,600 CY of dredged material from west side of entrance channel (Submarine Turning Basin, Alpha Wharf, and Bravo Wharf) is permitted to be disposed at the approved Ocean Disposal Site. Refer to PTS H40 for additional requirements.
- Ocean disposal operations shall be conducted in accordance with the requirements specified in the Site Management and Monitoring Plans.
- The contractor will design and construct two subcells within the existing cell 5A. One cell shall contain the spoils from Lima/Mike Wharves (Approximately 8,400 CY) and the other cell shall contain the spoils from November Wharf (Approximately 5,000 CY). The new cells will be engineered to contain all rainfall with zero discharge outside the dikes which will be a minimum of 2 feet of freeboard. The new subcells shall retain a minimum of 5 feet of existing dredge spoils to act as a leachate filter for the new dredge spoils to be placed on top.
- Clear and mulch vegetation overgrowth as necessary to construct new dikes to provide storage for the dredged materials with a minimum 2 feet freeboard. The new dikes shall be constructed utilizing available dredge spoils within the developed section of Cell 5A with the exception of the spoils from the Uniform Wharf spoils subcell and/or a maximum excavation of 18" below the existing grade of the undeveloped portion of Cell 5A. The maximum height of the new dikes shall be restricted by the Sediment Management Framework Report 2010 (See Part 6 of the RFP).
- Any excess material shall be stored in an engineered pile within Cell 5A for re-use in future dredging projects.
- All disturbed areas and all existing spoil material requiring excavation or handling in any way must be screened for MEC in accordance with JRM Explosives Safety Submission (ESS).
- The contractor may encounter asbestos associated with discarded piping. The contractor shall remove and dispose all asbestos material encountered off-island. The contractor shall submit asbestos handling and removal plan to the Government for review prior to execution.
- Comply with all conditions of the CDF plan.
- Manage and maintain the CDF such as to allow proper dewatering of dredge materials and prevent these materials and runoff from leaving the disposal area. Provide 30 mil polyethylene sheet liner on the side slopes of the dike and/or side slopes of old remaining spoils where new maintenance dredge spoils will interface.
- Maintain a separation between old dredge spoils and the new dredge spoils from this contract. Upon project completion, submit as-built survey of the CDF showing the delineation of the old and new dredged materials in the CDF.
- All dredge material to be placed in the CDF shall be screened to remove 2 inches and larger debris in any dimension before placement into the confined disposal facility.
- Environmental Consideration:
 - Noise (earth moving equipments)
 - Air Quality (air emissions and fugitive dust generation by heavy equipment and trucks, approval to operate stationary emission sources)
 - Odor
- Environmental Consideration Mitigation:
 - BMPs, such as water spray, could be used to minimize fugitive dust impacts.
 - Should the site present an attractive nuisance for migratory birds (e.g., standing water, scavenging of food from placed materials), reflective flagging and/or other management practices may be used to discourage bird use.
- Social Consideration:
 - Due to long duration, a traffic plan may be required to minimize impacts associated with this activity.

D) Additive Bid Option:

- The Contractor shall clear and grub the remainder of Cell 5A beyond the limits of the new sub-cells and utilize the remaining Alpha/Bravo spoils within Cell 5A to modify

and raise the height of the existing Cell 5A perimeter dike. The maximum height of the reconstructed perimeter dike shall be limited by the available Alpha/Bravo spoil material or the 2010 Sediment Management Frame Work (see Part 6 Attachments) recommended dike elevations.

E) Special Requirements:

- The Contaminants of Concern (COC)s for this project were selected based on US Army Corps of Engineers and US Environmental Protection Agency guidance on dredge spoil sampling for characterization. Heavy metals, pesticides, PAHs, PCBs, petroleum hydrocarbons, presented in Table 6 of the Sampling and Analysis Report, Attachment 3 in Part 6, were selected as COCs at the site based on historical use of the sites. The sampling and analysis procedures described in this Report were performed in accordance with applicable industry standards and methods accepted by the U.S. EPA. Based on the results of the sampling and analysis described within this report, levels of contamination have been determined for sediment sample locations along the various dredging locations, which will be useful in determining potential concerns for chemical contamination during dredging operations and disposal options for dredge spoils.
- Work of this project shall be coordinated for design and construction with other ongoing projects concerned with waterfront operation sustainment, maintenance and repairs (SRM). Other projects along Lima, Mike, November, Oscar, Papa, Quebec, Romeo, Sierra, Tango, Uniform, Victor, Alpha and Bravo Wharves include:

Romeo Wharf Repair
Lima Wharf Repair

- Important Contract Milestones Notice to Proceed (NTP):

1st NTP: (Upon Notice of Award): Design, work plan, ESS anomaly identification, and submittals necessary to obtain the USACOE permit and approval to begin dredging.

2nd NTP: CDF site preparation and ESS anomaly investigation (Following approval of design submittals and completion of ESS anomaly identification). Contractor shall assume CDF Work cannot begin until 90 days after 1st NTP.

3rd NTP: Mobilize for and begin in-water work. Contractor shall assume Dredging Work cannot begin until 180 days after 1st NTP.

Project shall be completed within 600 days after 3rd NTP. Upland disposal work shall be limited to 150 days.

2.1 DREDGING, DESIGN AND CONSTRUCTION REQUIREMENTS:

The Contractor shall perform all tasks and requirements in this statement of work in addition to the requirements in the base contract. The dredging, design and construction shall be in accordance with the latest revision/edition of applicable U.S. Federal and Local codes, standards and regulations, applicable USACE Engineering Manuals (EM), International Building Code, WBDG Unified Facility Guide Specifications (UFGS) and Unified Facilities Criteria (UFC), Marianas Region Architectural and Construction Standard (MRACS) and requirements of this statement of work. The term "Latest Revision/Edition" is defined as the version as of the project award date. In case of conflict between codes, standards, regulations, and specifications, the most stringent requirements shall apply.

The KTR shall provide all labor, materials, equipment, permits, clearances, engineering services, transportation, supervision, and other incidental work required for the project. Other incidental work required includes any and all items and considerations necessary to insure a complete and usable final product, including, but not limited to, the necessary design and construction considerations not specifically stated elsewhere in this statement of work. Complete and usable final product means that the completed final product can be used to fully satisfy the requirements and the intended purpose of the project. The activities will be performed in a manner as to NOT negatively impact the operational capabilities of the Wharves. KTR shall attempt to minimize interruption of ongoing operations. KTR shall coordinate for interruption of wharves services. All other actions not involving interruption of services can be conducted during regular working hours.

All design or construction drawings, specifications and calculations shall be done by/or under the direct supervision of a Professional Engineer. All required survey shall be done by/or under the direct supervision of a Professional Surveyor. Professional Engineer and Surveyor shall have current National Council of Examiners for Engineering and Surveying (NCEES) registration issued from a state within the United States of America (USA) or one of its territories who shall stamp all design or construction drawings, specifications, calculations, and survey drawings, respectively.

The KTR shall be responsible to verify all existing site conditions, dimensions, survey elevations and other requirements necessary to complete the project. Any adjustments to suit field conditions shall be made without the additional cost to the Government including the restoration of damages borne by the contractor in the performance of this contract. KTR shall be responsible for proper handling and disposal of all materials/waste removed and/or demolished from dredging and construction sites.

KTR is responsible for obtaining all required permits (with the exception of USACOE permit, GEPA 401 WQC and CZMA Negative Determination) and shall ensure that all required permits are obtained before dredging and construction begins. The contractor is responsible for developing and submitting methodologies and plans required within the USACOE and GEPA 401 WQC permit applications. The plans include but are not limited to a water quality monitoring plan, updated biological monitoring plan, waste disposal plan, environmental protection plan, concise methodologies plan, and a turtle observation plan. KTR must abide by Occupational Safety and Health Act (OSHA) regarding issues such as abatement of Asbestos-Containing Materials (ACM), noise, confined space, or others as applicable. Verify other requirements with the assigned Construction Management Engineer (CME) or Engineering Technician (ET) concerning any or all environmental requirements.

See Part 2, General Requirements Section 01 35 26 for Government Safety Requirements.

2.1.1 SUBMITTALS

In addition to the submittals required under the basic contract, submit the following:

a. Submittal Requirements (after award and before start of construction):

1. Health and Safety Plan.
2. Detailed dredging plans with phasing, schedules and equipment specifications, to include methods for ceasing dredging operations or demobilizing for emergency port operations, pre-dredge hydrographic survey of harbor bottom, pre-dredge topographic survey of CDF cell 5A and immediate ground areas, and CDF construction, reconstruction and filling plan.
3. Documentation as required by the ACOE permit conditions, which will be issued after contract award.

4. Design, Construction and Dredging Plan Drawings and Specifications: Design or construction and dredging plan drawings shall be prepared using AutoCAD R2009 formatted for 24"x36" size sheets and shall have the standard NAVFAC title block on each sheet and standard NAVFAC Plot setting , including the respective contractor obtained NAVFAC drawing numbers for each sheet. Contractor shall submit three (3) hard copies of the Final design, construction and dredging plan drawings and specifications and original CADD and Specification files (".dwg", ".doc") and copy files (".pdf") on two (2) CD-ROM discs. (Contractor will not be allowed to start construction and dredging without the Government approved plans and specifications).
5. Pre-construction Documents: Activity Hazard Analysis (AHA), Accident Prevention Plan (APP), Contractor's Quality Control Plan (CQC), Erosion and Sediment Control Plan (ESC).
6. Approved Work/Construction Schedule.
7. Explosive Safety Submission (ESS) – Munitions and Explosives of Concern (MEC) Clearance Work Plan (MEC field work will not be allowed to start without the Government approved MEC Plan)

The Prime or MEC Contractor shall submit the deliverables to the Construction Manager Engineer (CME) and the MEC/UXO Naval Technical Representative per Section 01 57 19.01 20 of the Specifications in Part 2.

Design Drawings: shall be prepared using AutoCAD 2009 formatted for ANSI D (22" x 34") sheets and shall include the standard NAVFAC Marianas title block on each sheet, including the respective contractor obtained NAVFAC drawing numbers for each sheet. The Ready for Construction submission shall be stamped and signed by the Designer of Record.
Basis of Design: Each submission shall include a basis of design with all proposed materials including calculations to substantiate the design meets the RFP and all applicable codes.
Specifications: Shall be submitted in Construction Specification Institute (CSI) 2004 format.

Contractor shall submit the number of copies as requested as defined under each required submission identified below. The basis of design, design drawings and specifications shall be included on a CD-ROM in addition to the required hard copy for each submission. Each submission shall be submitted to the NAVFAC Marianas Construction Manager Engineer (CME) for Government review and RFP concurrence.

The Contractor shall submit a copy of the Government review comments from each prior submission with each subsequent submission. This document shall indicate the corrective action taken for each comment and or other proposed solution. Incomplete submissions will be returned to the Contractor with no additional time added to the performance period.

Electronically seal and sign all Acrobat PDF drawings and other documents. The electronic signature software utilized should meet the requirements of the National Council of Examiners for Engineering and Surveying (NCEES). The electronic signatures shall be printable and viewable in Adobe Acrobat Reader with no additional software.

8. 60% Design Submittal: 45 calendar days following the date of delivery order. Submit five (5) hard copies of 11" x 17" half-scale drawing sets, outline specifications, preliminary construction schedule and basis of design, and electronic pdf copies on five (5) CD-ROMs. Allow 14 calendar days for Government review.

9. 100% design submittal: 21 calendar days following receipt of Government review comments on the 60% design submittal. Submit five (5) hard copies 11" x 17" drawing sets, specifications, preliminary construction schedule, basis of design, submittal register; and electronic pdf copies on five (5) CD-ROMs. Allow 7 calendar days for Government review.
10. "Ready for Construction" (RFC) documents: 7 calendar days following receipt of Government review comments on the 100% design and notice to proceed with Ready for Construction documents. The RFC documents include all documents required for the 100% submission finalized. Submit five (5) hard copies 11" x 17" drawing sets, specifications, preliminary construction schedule, basis of design, and submittal register; and electronic pdf copies on five (5) CD-ROMs.

c. Final Close Out Submittal Requirements:

14 Calendar days after completion/acceptance of the project and prior to final payment.

1. Submit complete pre- and post-fill as-built/topographic survey drawings of CDF cell 5A indicating ground elevations, locations of old and new dredged materials, amount of existing (old) dredged materials used in the construction and/or reconstruction of dikes, amount of remaining existing (old) dredged materials, and amount of new dredged materials from this dredging contract. Submit post-dredge Hydrographic Study report indicating the final profile of the harbor with as-built drawings. Submit as-built drawings to CME in ANSI D (22" x 34") size Mylar sheets and two (2) sets of CD-ROM containing CADD and PDF files of drawings and specifications, submittal register, and any other documents (photos, support files, etc.) as applicable. Perform the closeout surveys utilizing the same stations from the RFP documents. All as-built survey work shall be done by/or under the direct supervision of a Professional Surveyor with current National Council of Examiners for Engineering and Surveying (NCEES) registration issued from a state within the United States of America (USA) or one of its territories who shall stamp all survey drawings. All surveys shall be signed by the Contractor to certify their accuracy.

2.1.2 SITE SAFETY AND HEALTH OFFICER (SSHO) QUALIFICATIONS

The Site Safety and Health Officer for this Task Order shall meet the requirements of Level 4.

2.1.3 QUALITY CONTROL REQUIREMENTS

The QC Manager for this Task Order shall meet the requirements as outlined in the basic contract.

See Basic Contract Part 2, General Requirements Section 01 45 00.05 20 for Design and Construction Quality Control Requirements.

2.2 ENVIRONMENTAL REQUIREMENTS

Contractor shall comply with the requirements of the US Army Corps of Engineers (ACOE) and US Environmental Protection Agency (EPA) in addition to the requirements of the basic contract. A U.S. ACOE permit is required for this project. Government will obtain permit. Minimum requirements for biological and water quality monitoring and expected permit conditions/requirements are attached in Part 6, Attachments 5, 6 and 7.

All of Cell 5 spans on a Low (Green) to Medium (Yellow) likelihood of encountering MEC or MPPEH. Provide munitions clearance as per JRM Explosives Safety Submission (ESS) Munitions Response Sites Guam Construction Support Implementation, Current Amendment Series and all applicable references identified therein. Provide details of ESS implementation and removal of anomalies upon construction contract award and how this work is incorporated in the project schedule.

2.3 WORKFLOW PROCESS

Scheduling of work shall be coordinated with the Port Ops to minimize disruption of services. Port Ops shall be granted access during emergency.

2.4 HOURS OF OPERATION

Wharves operations typically take place under daylight conditions. During periods of high activity, operations are conducted around the clock. The level of activities will be dictated by events occurring worldwide. This unpredictable nature of world events can cause scheduling problems, delays and difficulties in the work of this project. The Contractor shall provide flexibility in their schedule for the duration of the work.

2.5 SPECIAL WORK CHALLENGES

The Contractor must consider the following factors in planning the work. The primary purpose of this project is for maintenance dredging of various wharves, pier and inner Apra Harbor. The challenges for this work include:

1. Dredging shall provide a schedule that will have the least disruption to operational capability of the wharves.
2. The existing structural system of wharves shall remain undamaged during dredging and offloading.
3. Functional existing utilities shall remain undamaged during dredging and offloading.
4. Wharves operations include limited ordnance handling. Wharves will be off-limits to Contractors for the duration of these ordnance handling operations. The contractor shall incorporate work stoppage in their schedule for ordnance handling requirements. Mandatory explosives safety briefing for contractors is required. Assume six (6) ordnance handling events per year at three (3) days each.
5. The work of this project will likely take place during or overlap with construction and dredging projects of other wharves. Therefore, the work of this project must be closely coordinated with all adjacent projects.

3. SITE ANALYSIS

3.1 EXISTING SITE CONDITIONS

The 2014 hydrographic survey determined that shoaling have occurred at the entrance to the inner Apra Harbor, Alpha-Bravo Wharves and turning basin, and Lima, Mike and November Wharves, thereby reducing the water depth to less than the design navigational depths in some places. The shallow depth causes damage to ship hulls and propellers and prohibits navigation and berthing operations. There are sustainment/repair/maintenance projects ongoing for Romeo, Sierra, Tango, Uniform and Victor Wharves.

According to as-built plan available, Confined Disposal Facility (CDF) #5, located between Marine Drive and Sumay Drive, comprises of two cells (A & B). Entire Cell 5B area was utilized while only a portion (reduced footprint) of Cell 5A was utilized. The cells were built in 2006 with dikes from onsite

materials and served as the upland placement of dredge materials from the P-431 Alpha/Bravo dredging project. The amount of dredged materials placed in these cells was approximately 180,000 CY. Cell 5B is believed to have not been used since the Alpha/Bravo dredging. Currently, Cell 5B is overgrown with dense vegetation. A portion of Cell 5A was restructured and utilized for the Uniform Wharf Dredging project in 2014 and a portion remains undeveloped. See Cell 5A current as-built in Part 6 Attachments.

3.2 SITE DEVELOPMENT

Sediments will be removed from the various proposed dredging locations from a point no closer than 10 feet from the bulkhead. The dredging work will utilize a barge mounted close bucket excavator and comply with the requirements of the US Army Corps of Engineers (USACE). Sediments to be disposed of upland will be offloaded at X-Ray Wharf, hauled to and confined at CDF cell 5A.

The project will require clearing and grubbing of vegetation as necessary to construct new sub cells in the Cell 5A area and cells to receive new dredge materials. Vegetation shall be mulched and spread out on the dike walls to act as top soil. Side slopes of Dikes (and internal dike if constructed) where new dredged spoils will interface shall be lined with 30 mil of polyethylene sheets. Polyethylene sheets shall be UV stable, chemical resistant, puncture/tear resistant, and shall withstand Guam high outdoor temperature. . The Contractor shall retain a minimum of 5 feet of existing dredge spoils to act as a leachate filter for the new dredge spoils to be placed on top. Contractor shall analyze total volume of old dredge materials confined in Cell 5A suitable for construction of dike by considering information provided in Attachment 2 in Part 6.

4. BUILDING REQUIREMENTS

Not Used.

5. ROOM REQUIREMENTS

Not used.

6. ENGINEERING SYSTEMS REQUIREMENTS (ESR)

Perform the project according to the construction criteria, standards and publications, and applicable Uniform Facilities Criteria (UFC) and Unified Facility Guide Specifications (UFGS).

G10 SITE PREPARATION

Physically verify the location of the CDF cell 5A and other pertinent information needed for construction and reconstruction of confining dikes. Verify location of the dredge materials offloading site and coordinate with other ongoing sustainment/repair/maintenance (SRM) projects in the area. Perform pre-fill topographic survey of the CDF cell 5A, and immediate surrounding area, other structures and utilities, etc.) and pre-dredge hydrographic survey of the harbor bottom to verify baseline. Include these surveys in the CDF design and construction and dredging plans. Contractor shall provide CADD files (.dwg format) and PDF files to Government upon completion of required pre-construction surveys.

G1010 SITE CLEARING

Minimize removal and disposal of all trees required for project construction. Take necessary precautions to avoid damage to existing items to remain in place, to be reused, or to remain the property of the Government. Repair or replace damaged items as approved by the Contracting Officer.

Grubbing shall consist of the removal and disposal of stumps, roots and matted roots.

Burning will not be allowed.

All grubbing and clearing residue, rubbish, debris and waste, generated by this project shall become the property of the KTR and shall be transported and disposed of off the Government property or recycled in accordance with the basic contract requirements and applicable federal regulations. All trees/plants within the existing reduced footprint of cell 5A shall be cleared and grubbed, cut, chipped and pile within the cell. This pile shall be tested for contaminants of concern prior to disposal off-site.

G1020 SITE DEMOLITION & RELOCATIONS

Asbestos containing pipe materials indicated on As-built Drawings.

G1030 SITE EARTHWORK

Provide minimum 2% slope grading if necessary so the site will drain away from the confined disposal Facility (CDF).

All unsuitable and surplus materials shall become the property of the KTR and shall be disposed of off Government property.

G20 SITE IMPROVEMENTS

G2040 SITE DEVELOPMENT

Design and construct new dikes and reconstruct existing perimeter dikes in the CDF Cell 5A to accommodate the two new subcells. Design of dikes shall consider stability, factor of safety against potential failure, and angle of repose. Height of dikes shall consider storage of new dredge materials plus two feet (2') freeboard. . For the onsite soil borrow, the top 1.5 ft of soil in the undeveloped Cell 5A area, in addition to the suitable old dredged materials, may be used for the new dike construction. Contractor shall assume old dredge materials (except Uniform Wharf dredge spoils) are suitable for the construction of dikes and shall maximize the use of these old dredge materials and the onsite soil borrow materials for construction, reconstruction and determination of the new height/elevation of dikes. See also 3.2 Site Development.

G2050 LANDSCAPING

Provide soil preparation and hydroseeding in all disturbed outer/surrounding areas of the CDF. Prepare subgrade soil for bonding with topsoil. Spread topsoil evenly grade to the elevations and slopes required.

Restore affected areas to its original or better condition following MRACS.

H40 NAVIGATION DREDGING

SYSTEM DESCRIPTION

The Navigation Dredging consists of maintenance dredging of the entrance to the inner Apra Harbor,

Alpha-Bravo Wharves and turning basin, and Lima, Mike and November Wharves at Apra Harbor, Naval Base Guam necessary and required to navigate the design vessel to the berths.

GENERAL SYSTEM REQUIREMENTS

Provide a Navigation Dredging complete in place, tested and approved, as specified throughout this RFP. All dredging shall be performed per this Part, the criteria of ESR, and PTS Section H40.

Contractor shall not commence in-water dredging work until the required permits are obtained. Work to be done below Mean Higher High Water (MHHW)] is considered in-water work.

The dredging requirements and design that govern the areas to be dredged and dredge depth have been determined by the Government and are specified in this ESR H40 and elsewhere in this part and shown on the RFP drawings provided in Part 6.

Dredging will be done to increase water depth in the vicinity of the existing waterfront structure. Contractor shall consider impact of dredging on structural integrity of the existing waterfront structure.

H4010 DREDGING

The design dredge depth shall be -40 ft MLLW for the entrance to inner Apra Harbor, Alpha-Bravo Wharves and turning basin, -35 ft MLLW for Lima, Mike and November Wharves, with 2 ft over dredge tolerance.

Existing navigation in the Harbor must be allowed to continue which would require the dredge equipment to be moved out at Contractor's expense when a conflict occurs. See Paragraphs 2.3, 2.4 and 2.5 in this Part.

Preliminary hydrographic study has been performed by the Government and copy of the report or mapping is provided in Part 6 for information only. Approximate dredge limits shown on the drawings provided in Part 6 are for information only and shall be finalized by the Contractor. It is the Contractor's responsibility to perform a detailed hydrographic survey and to confirm/determine the final dredge limits and volume. The required dredged depth shall be verified by post-dredge hydrographic survey.

Blasting will not be allowed during dredging operation.

H4020 DREDGING DISPOSAL

Dredge material characterization and management plan have been prepared and the results and recommendation are included as Attachment in Part 6. Dredge material shall be disposed of at the existing Confined Disposal Facility (CDF) #5A and approved Guam Ocean Disposal Site. Location of the disposal sites are shown on the RFP drawings provided in Part 6. CDF as-builts and other details provided in Part 6 are for information only. Contractor shall verify information and is responsible for full coordination and to design and construct a facility, which shall meet the needs of the using activity and comply with the RFP project requirements. The CDF shall be designed and constructed by the Contractor. Design of the CDF, disposal handling, and ocean disposal shall meet the requirements of this Part 3, Part 4 PTS H40 and Part 6 Attachments.

-- End of Section --

03 September 2015

N40192-15-R-1301, FY15 MAINTENANCE DREDGING AT VARIOUS LOCATIONS, APR
HARBOR, NAVAL BASE GUAM

NOTICE 02 – REQUEST FOR INFORMATION

QUESTION(Q) 6: RPF Part 3 page 3 of 12, first bullet. “The Contractor shall provide for biological monitoring and water quality monitoring focused on turbidity and sedimentation levels in Outer/Inner Apra Harbor outside the dredge footprint. Rate and type of monitoring shall be in accordance with the approved ACOE permit and Attachments.” Identify location of turbidity sampling and frequency in order to provide an allowance in the bid submission.

RESPONSE(R) 6: Turbidity data shall be collected at two test stations. One station shall be located approximately 50ft up current from the silt curtain surrounding dredging operations and the other station will be located approximately 50ft down current from the silt curtain. Turbidity meters shall be positioned approximately 3ft above sea floor at both locations. Turbidity data shall be collected in real time, continuously. The contractor shall monitor the data every 15 minutes and record compliance during dredging or in-water activities.

Q7: Provide details and locations of anchors and moorings etc., within the dredge area. Also, any other submerged or floating infrastructure. We don’t want to dig these up!

R7: Details and specific locations of anchors and moorings within the dredged area are not available. If any such items are in the area to be dredged, coordination with Port Operations is required.

Q8: Can we assume that the Frank Cable ship be moved for one week to dredge the area currently occupied by it?

R8: The Frank Cable ship will be relocated during dredging operations. The contractor shall notify the Government at least 21 days before dredging operations are to start.

Q9: How do we determine what material is suitable for sea disposal and what must go to land-based disposal? In some cases it appears samples from the same body of sediment yield different results. Could you clarify where the interface line is? (Ref: p114 of Attachment 3 – Sampling and Analysis Report / Dredging Material Evaluation).

R9: Refer to RFP Amendment #1 for dredged material to be disposed on land or sea.

Q10: Can the unloading area at the finger piers be dredged to accommodate the depth of the dredge material barges, around 10’? This could then be used as an unloading area.

R10: See Amendment 2. Dredging at the finger piers is prohibited.

Q11: Will the floating dry dock at Quebec Wharf be moved before the dredging commences? If not it appears that the available wharf space is too restricted for typical dredging vessels.

R11: The floating dry dock may not be moved before dredging commences. Off-loading location is X-Ray wharf. See Amendment 2.

Q12: How will the volume of dredged material be measured for payment?

R12: Volume of dredged material shall be measured based on volume truck load for land disposal and barge volume for ocean disposal. The Contractor shall maintain detailed records of volume dredged. The Government will inspect to verify.

Q13: Can you confirm that the entire area has been dredged to the specified depth before?

R13: The area has been dredged to the specified depth before.

Q14: Please clarify the statement “Contractor shall consider impact of dredging on the structural integrity of the existing waterfront structure” (Ref: RFP Part 3 page 11 of 12 section H40, 5th paragraph) What is expected here?

R14: The intent of the RFP statement is to prevent failure of existing sheet pile system by over-dredging.

Q15: MEC clearance – not required as this is maintenance dredging?

R15: MEC clearance is required for existing spoils at the CDF for construction of dikes. MEC clearance is not required for spoils dredged under this contract.

Q16: Does the Jones Act apply to the dredging sea-going equipment?

R16: Yes. The Jones Act applies to this contract.

Q17: Please confirm the wind speed restriction for a crane on a barge?

R17: Wind speed restriction is based on surface/load ratio of the manufacturer. Typical requirement is at winds greater than 20 mph.

Q18: Please refer to Section 2, Project Objectives/Requirements/Scope, Par C) Disposal Sites and see Bullets #12, and please note that screened or segregated dredged debris 2” and larger may include various sizes of pipes, metals, cables, etc. Please inform if these debris will be stored inside the CDF or disposed outside the US Naval Base.

R18: Such debris shall be disposed of outside Naval Base Guam.

Q19: Please inform if the government can relocate the old drydock that is currently anchored at Papa and Quebec Wharves so that unloading site can be installed at the Quebec wharf area.

R19: The floating dry dock may not be moved before dredging commences. Off-loading location is X-Ray Wharf. See Amendment 2.

Q20: RFP Part 3 - Page 3 of 12 indicates that approximately 17,400 CY of dredge material from east side entrance channel (November, Mike and Lima Wharves) are to be disposed of at upland CDF and at the approved Guam Deep Ocean Disposal Site (G-ODMDS). Please clarify how many cubic yards of the approx. 17,400 CY will be disposed to the CDF and how many cubic yards will be disposed to the G-ODMDS.

R20: Refer to RFP as amended by Amendment 1 and Amendment 2 for dredged material to be disposed on land or sea.

Q21: RFP Part 3 - Page 4 of 12 states that the contractor may encounter asbestos associated with discarded piping. The contractor shall remove and dispose all asbestos material encountered off-island. The contractor shall submit asbestos handling and removal plan to the Government for review prior to execution. Please clarify that asbestos handling and disposal will be a modification to the contract.

R21: Quantity of asbestos is not known at time of bid. Asbestos handling and disposal will require contract modification.

Q22: Please confirm that MEC clearance is only applicable to all of Cell 5 and Orote CDF if needed?

R22: MEC clearance is only applicable for work associated with Cell 5 and not Orote CDF. Work in Orote CDF is no longer included in this project.

Q23: In Part 3, paragraph 2. A) Dredging, the 3rd bullet point states: “Over-dredge is allowed, but shall not exceed two feet (2’) beyond the maintenance depth as defined in the above project objectives.” Please confirm whether or not the Contractor will be paid for material dredged up to and including the two feet (2’) over-dredge tolerance.

R23: The Contractor shall include allowance for two feet over-dredge tolerance in the proposal.

Q24: Since CLIN 0001 is a lump sum item and not a unit price item, how will the contractor be compensated if the quantities increase from those stated in CLIN 0001 up to 115% above the state quantities given that the unit prices included in SLIN’s 000101, 000102 and 000103 only apply to quantities above 115 percent or below 85 percent of the estimated quantities?

R24: There is no equitable adjustment for an actual quantity within 85 percent and 115 percent of the estimated quantity. Refer to FAR clause 52.211-18 Variation in Estimated Quantity for detailed information and revised Bid Schedule as provided in Attachment 1 of Amendment 01.

Q25: Will the unit prices included in SLIN’s 000101, 000102 and 000103 apply to any variations from the three quantities stated in CLIN 0001? For example, if the measured quantity for dredging with Upland Disposal is 19,140 cubic yards (110% of stated quantity), will the unit price included in SLIN 000101 apply to the additional 1,740 cubic yards in excess of the stated quantity of 17,400 cubic yards?

R25: No. The unit prices will apply solely to the variation above 115 percent or below 85 percent of the estimated quantity. There is no equitable adjustment for an actual quantity within 85 percent and 115 percent of the estimated quantity. Refer to FAR clause 52.211-18 Variation in Estimated Quantity for detailed information and the revised Bid Schedule as provided in Attachment 1 of Amendment 01.

Q26: Under SLIN Items 000101, 000102, 000103, 000501, 000502, 000601, 000602 and 000701, is the quantity for each item “1”? For example, for SLIN 000101, is the quantity 1 cubic yard and then the NET AMOUNT will be 1 cubic yard multiplied by the unit price?

R26: SLIN Items 000101, 000102, 000103, 000501, 000502, 000601, 000602, 000701, 000801, 000802, and 000803 require a unit price with a quantity of "1", since the unit price for these SLIN Items will be used to adjust the total contract price for the actual quantities as applicable. Please refer to the revised Bid Schedule as provided in Attachment 1 of Amendment 01.

Q27: For SLIN Items 000501, 000502, 000601, 000602 and 000701, the descriptions of these SLIN items states they are for additional “Upland Disposal” or “Ocean Disposal”. Please confirm that these unit price items shall include all costs to dredge (remove), transfer and offload sediments to the offloading site, and haul and unload sediments at the designated disposal sites?

R27: Yes. Each SLIN Item refers to a corresponding CLIN. Therefore, the CLIN descriptions provided apply to the corresponding SLIN items. Please refer to the revised Bid Schedule as provided in Attachment 1 of Amendment 01.

Q28: For CLIN Item 000103, it states “Provide a unit price per ton for all costs, to screen, remove and dispose dredged debris two inches (2”) and larger (Debris Removal).” Is the contractor required to screen, remove and dispose dredged debris two inches (2”) and larger for material that will be disposed of at the Ocean Disposal site? Previous dredging contract in Apra Harbor with Ocean Disposal required dredged debris twelve inches (12”) and larger to be removed. The two inch (2”) size requirement will be a significant cost to the project. Request that the two inches (2”) size limit be revised to twelve inches (12”) for the Ocean Disposal material.

R28: Twelve inches (12") screening/debris removal is permitted for ocean disposal material. Two inch (2") is required for land disposal.

Q29: Please confirm how many days the wharves will be off limits to the Contractor due to ship movements? Note Section 2.5, Special Work Challenges, Item 4, lists ordnance events only.

R29: The contractor shall assume four (4) ship movement events per year which would require wharves to be off-limits to contractors. Duration will be 3 days each.

-----End of Notice-----