AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
J	1 | 8

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
0001	06-Aug-2023		

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
NAVAL SURFACE WARFARE CENTER CORONA DIV. 1999 FOURTH STREET BLDG 510 NORCO CA 92860	N64267	See Item 6	

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		
	X	9A. AMENDMENT OF SOLICITATION NO. N6426723Q0223
	X	9B. DATED (SEE ITEM 11) 06-Aug-2023
		10A. MOD. OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer [ ] is extended, [X] 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 [ ] is not, [ ] 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.)

The purpose of this amendment is to update section C. All other terms and conditions remain the same.

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 07-Aug-2023

N6426723Q0223

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been modified:
PURCHASE DESCRIPTION

SALES TAX EXEMPTION
The contractor is hereby advised that the United States Government and Agencies thereof are exempt from State and Local Government tax by virtue of Article 6 of the United States Constitution. No exemption certificate is required.

1. INTRODUCTION

Naval Surface Warfare Center (NSWC) Corona, Range Systems Department, Branch 34, has been tasked by Program Manager for Training Systems (PM TRASYS) United States Marine Corps, with designing a new Military Operations on Urban Terrain (MOUT) Training Complex onboard U.S. Army Pohakuloa Training Area (PTA) and to support extending shore power and convert overhead power to underground onboard Marine Corps Base Hawaii (MCBH), Kaneohe Bay.

This contract will address a geotechnical investigation of the area of the proposed MOUT at PTA on Section 2(a) and the area of the proposed underground power improvements at MCBH, Kaneohe Bay on Section 2(b).

Surface and subsurface Unexploded Ordnances (UXO) Construction Support is required to support the geotechnical survey for the proposed PTA MOUT. The UXO Construction Support is limited to an approximate 300 foot x 500 foot area at PTA. Surface and subsurface UXO Construction Support is NOT required to support the geotechnical survey at MCBH Kaneohe Bay.

2. BACKGROUND

a). U.S. Army Pohakuloa Training Area MOUT
The proposed MOUT site is located in the Battle Area Complex Range (BAX) of PTA. The site is just east ofFARP-12A and south of Lava Road. The proposed site has been previously flattened and graded with fill material that generally consists of crushed rock. The existing site slightly slopes down towards the west. The exact location is shown on Figure 2. Coordinates for the proposed PTA MOUT are 19°44'24"N, 155°34'22"W (MGRS: 05QKB3032484798). Site pictures are shown on Figures 5 & 6.

The new PTA MOUT will be compromised of approximately twenty (20) single-story Shock Absorbing Concrete Structures (SACON) with doors, windows, walls and courtyards configured in varying building configurations, eight (8) two-story SACON structures and one (1) three-story SACON structure. Sample SACON structures are shown in Figures 7 & 8. The site will also consist of 3 roads that will join at a roundabout and include a designated area for a faux soccer field. The PT A Concept Site Plan is shown on Figures 3 & 4.

The purpose of the geotechnical investigation is to explore, characterize the subsurface soil and groundwater conditions to determine engineering properties of the subsurface soil, and to develop design parameters for earthen pads, grading and drainage designs. Results from the geotechnical investigation shall also include site preparation and construction recommendations. A detailed geotechnical report shall be provided with investigation findings, design parameters, properties and recommendations.

The geotechnical report shall include the following design parameters and recommendations, but not limited to:
- Allowable soil bearing pressure, sliding coefficient of friction, lateral earth pressures, soil unit weight, seismic design parameters, estimated settlements, etc.

- Site preparation and grading specifications (Over-excavations, compaction, imported fills, determination if existing soils are suitable, etc.)
- Construction recommendations and considerations (temporary excavations, onsite crushing, observations and testing during construction, etc.)

The PTA region to be investigated is located on an active range and while not likely, there is always the possibility of unexploded ordnance (UXO) being present. A geotechnical investigation and UXO Construction Support are required only within the buildable area limited to 300 feet x 500 feet.
The UXO Construction Support contractor shall scan the surface of the site to verify that no UXO or Material Presenting a Potential Explosive Hazard (MPPEH) are present. The UXO staff shall conduct subsurface avoidance techniques during the collection of soil samples by the geotechnical engineering contractor to ensure no UXO hazards are encountered during intrusive sample collection at PTA.

The UXO contractor shall use proper equipment with a qualified UXO Technician to support the project. If a subsurface anomaly is encountered at the proposed test pit locations, the UXO contractor and Geotechnical engineering contractor shall move the proposed test pit location to a location with no anomaly. In the unlikely event that live items are encountered the contractor shall immediately notify the government project manager and a course of action will be determined. UXO clearance is NOT within the scope of this project.

UXO contractor shall be qualified to perform the survey and be knowledgeable of the latest version ofNAVSEA OP-5; EM 385 Manual, Department of Defense Explosives Safety Board
(DDESB) Technical Paper 18 (TP-18) and all other Navy/Marine Corps governing directives and orders for ground disturbance activities.

The government shall provide one Live Fire Range Safety Officer (RSO) to be on-site for the PTA UXO avoidance survey. A government engineer shall be on-site with the contractor at the time work is performed to answer any project technical questions and to escort to the Range.

b) USMC Kaneohe Bay Shore Power
The project scope of work is to convert existing overhead medium voltage radial distribution system to an underground loop system including pad mounted transformers, switchgears and service laterals in addition to installation of underground fiber in conduit.
The proposed underground concrete encased conduits and associated Electrical / Telecomm Handholes / Manholes will be placed at the center of the existing Middaugh St. at the MCBH from Building 1584 to the proposed SDZ site near Building 6410 as shown on Figures 9 & 10.

The Electrical manholes are 6'-0" (W) x 6'-0" (L) x 6'-6" (H). The Handholes vary in size form 1 '-5" (W) x 2 '-6" (L) x3 '-0" (H) to 4 '-0" (W) x 6' -6" (L) x 6' -6" (H). Typical Manhole and Handhole details are shown on Figures 12, 13 and 14 for reference. Precast concrete foundations for the transformer will be approximately 6 'x5' and switchgear precast foundation will be approximately 8'x7'.

The purpose for the geotechnical investigations for the Shore Power Project aboard Marine Corps Base Hawaii is to explore and characterize the subsurface soil and groundwater conditions to determine engineering properties of the subsurface soil, and develop design and construction recommendations for the Electrical Manhole and transformer Pads at the Marine Corps base and along the Middaugh St. Middaugh Street is on a hillside and one of the potential concerns is the new electrical infrastructure improvements affecting the stability of the downhill slopes at several locations along the conduit path.

The approximate soil boring locations are shown on Figure 10. Boring locations will be staked out by Naval Surface Warfare Center (NSWC), Corona.

The geotechnical report shall include the following design parameters, but not limited to:
- Allowable soil bearing capacity
- Sliding coefficient
- Equivalent fluid pressures
- Soil unit weight

- Soil strength parameters
- Soil friction angle
- Soil Stability analysis or general considerations about slope setbacks and effects that the improvements can have on descending slopes.
- Minimum structure embedment depth and estimated settlement

The geotechnical report shall also include recommendations for site preparation, excavations, minimum excavation clearance from the ridge line for manhole installation, backfill, compaction, grading, drainage and soil stability.

Surface and subsurface UXO Construction Support is NOT required to support the geotechnical survey at MCBH Kaneohe Bay.

3. SCOPE

CLIN Description	Qty	U/M	Cost
01 PTA Geotechnical Investigation (20 test pits on grid)	**1**	**EA**	
02 PTA Geotechnical Report	**1**	**EA**	
03 PTA UXO surface and subsurface Construction Support (PTA in a 300' x 500' buildable area)	**1**	**EA**	
04 MCBH, Kaneohe Bay Geotechnical Investigation (4 borings)	**1**	**EA**	
05 MCBH, Kaneohe Bay Geotechnical Report	**1**	**EA**	

The contractor shall perform the following tasks that will require a maximum of 3 day duration per site. The work is anticipated to be complete in 2 field days at both PTA and MCHB, however contractor shall provide price for 3 field days per site to cover any contingencies:

PTA MOUT

a) Geotechnical firm shall dig a minimum twenty test pits at a maximum depth of 10 feet within the scanned area. Each test pit will be immediately backfilled after the soil samples are taken.
b) Conduct a UXO Construction Support and avoidance of the proposed PTA MOUT Complex.
   i. The UXO contractor shall have Safety Planning Documentation relevant to the field tasking being performed, available for government review prior to mobilizing to work site.
   ii. The UXO contractor shall scan the surface of the site to verify that no UXO or Material Presenting a Potential Explosive Hazard (MPPEH) are present.
   iii. The UXO contractor shall conduct subsurface avoidance techniques during the collection of soil samples by the geotechnical engineering contractor to ensure no UXO hazards are encountered during intrusive sample collection at PTA
   iv. The UXO contractor shall remain on-site with the geotechnical engineering contractor for the duration of collecting soils samples
c) Geotechnical firm shall provide a Geotech Report within 30 days of field work completion.

MCBH Shore Power

a) The geotechnical firm shall perform four (4) borings to twenty feet (20-ft) bgs or refusal, whichever comes first.
b) SPT and Mod-Cal samples shall be taken as directed by the geotechnical engineering firm.
c) The geotechnical firm shall supply samplers/tubes, supply the rings and/or liners.
d) Bulk samples shall be taken at all borehole locations to five feet (5-ft) bgs.
e) Borings shall be backfilled with cuttings, augmented with gravel, and the surface repaired to match surrounding conditions assumed to be dirt/gravel.
f) Surplus of waste and fluids shall be left on site and disposed properly (with close coordination with MCBH).

4. APPLICABLE DOCUMENTS

Document Type	Number/Version	Title	
NAVMC	5100.8	Marine Corps Occupational Safety and Health Program Manual	2006

5. REQUIREMENTS

a) **Personnel:**

1. The contractor(s) shall provide the government with a personnel list of personnel that will be performing work at PTA and MCBH Kaneohe Bay.

11. The contractor(s) shall provide qualified personnel, materials, equipment, vehicles, tools, and wear personal protective equipment (PPE) required to complete the scope of the UXO Construction Support at PTA in a safe and timely manner.

111. Contractor(s) field personnel shall be eligible to gain access and perform work aboard U.S. Army PTA and MCBH Kaneohe Bay sites.

1v. Contractor(s) field personnel shall register online using the government Defense Biometric Identification System (DBIDS) no more than 30 days and no less than 5 days before the visit. A criminal history background check will be conducted on each visitor(s) through the National Crime Information Center Interstate Identification Index (NCIC III). Individuals with an unfavorable background check will be denied base access. The government sponsor will provide additional instruction upon contract award.

b) Equipment

1. All Contractor equipment and vehicles shall be Federal and Hawaii compliant.

c) Work Environment

1. All contractor personnel must follow all government emergency preparedness and antiterrorism protocols during designated command emergencies and declared threat conditions.

11. The government reserves the right to rescind base access at any time.

6. GOVERNMENT FURNISHED PROPERTY

a. Government Furnished Material

NIA

b. Government Furnished Equipment

NIA

c. Government Furnished Information

Site coordinates, Base Dig Permit (if applicable)

7. DELIVERABLES

NUMBER	NAME
AOOI	UXO Contractor Safety Plan.
A002	Documentation confirming surface scan was conducted and denoting any findings
A003	PTA MOUT Geotech Report
A004	MCHB KBay Shore Power Geotech Report

8. ACRONYM LIST

ACRONYM	DENOTATION
DoD	Department of Defense
DoDESB	Department of Defense Explosives Safety Board
DoN	Department of Navy

DBIDS	Defense Biometric Identification System
MPPEH	Material Presenting a Potential Explosive Hazard
NAVMC	Navy Marine Corps
NAVSEA	Naval Sea Systems Command
NSWC	Naval Surface Warfare Center
OIC	Officer in Charge
PMTRASYS	Program Manager Training Systems
PTA	Pohakuloa Training Area
RSO	Range Safety Officer
SECNAV	Secretary of the Navy
TP	Technical Paper
uxo	Unexploded Ordnance

ADDITIONAL INFORMATION

A. PERIOD OF PERFORMANCE/ REQUIRED DELIVERY DATES

Field survey work to be performed within 60 days of contract award. Range availability dates shall be coordinated between the contractor and the government. The work at each site is anticipated to be complete in 2 field days, however contractor shall provide a price for 3 field days to cover any contingencies.

1 field crew for UXO and Geotech is required for PTA.
1 field crew for Geotech is required at MCBH Kaneohe Bay

B. PLACE OF PERFORMANCE

DODAAC: AC0521
POHAKULOA TRAINING
AREA Bldg. 93, POB 4607,
Saddle Rd, Hilo, HI
96720 PTA
Proposed MOUT
Latitude 19°44'24"
N Longitude
155°34'22"W

DODAAC: 189K07
MARINE CORPS BASE HAWAll
6691 Mokapu Rd,
Kailua, HI
96734 MCBH
Kaneohe Bay
Latitude
21°27'05.0"N
Longitude 157°43'40.9"W

(End of Summary of Changes)