NAVFAC SPECIFICATION

WR#6871159 B4257 Provide Utilities for Communication Tower

MCAS Cherry Point, NC AMENDMENT #0001

IMPORTANT

This amendment should be acknowledged when your proposal is submitted. Failure to acknowledge the amendment may constitute grounds for rejection of the proposal.

If your proposal has been submitted prior to the receipt of this amendment, acknowledgement should be made by telegram, which should state whether the price contained in your proposal is to remain unchanged, is to be decreased by an amount, or is to be increased by an amount. The acknowledgement must be received prior to proposal opening time.

AMENDMENT OF SOLICITATION	ONTRACT		1. CONTRACT	ID CODE	PAGE	OF PAGES		
2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE		4. REQUISITION/PURCHAS		ASE REQ. NO.	5. PROJEC	T NO. (If a	<u> </u>	
0001	11	/25/2019						
6. ISSUED BY				7. ADMINISTERED BY (If other than item 6.) Code				
CG MCAS Cherry Point FACILITIES, ROICC B-163, CURTIS ROAD PSC BOX 8006 CHERRY POINT, NC 28533								
8. NAME AND ADDRESS OF CONTRA	,		9A. AMENDMENT OF SOLICITATION B4257 Provide Utilities for Communication Tower 9B. DATED (SEE ITEM 11)					
AMENDMENT MUST BE ACK	PROPOSAL							
CODE		FACILITY CODE			10B. DATED (S	EE ITEM 13)	1	
CODE	11. THIS ITEM ONLY APPLIES The above numbered solicitation is amended as set forth in item 14. The hour a				SOLICITATIONS			
acknowledge receipt of this amendment prior of and returning 1 copy of the amendment; (b) a reference to the solicitation and amendment OFFERS PRIOR TO THE HOUR AND DATE submitted, such change may be made by telegopening hour and date specified. 12. ACCOUNTING AND APPROPRIATION.	By acknowledg numbers. FA SPECIFIED M gram or letter,	jing receipt of this ame ILURE OF YOUR ACK AY RESULT IN REJEC provided each telegran	ndment on each copy of NOWLEDGMENT TO BECTION OF YOUR OFFE	f the offe BE RECI ER. If by	er submitted; or (c) B EIVED AT THE PLAC virtue of this amend	y separate lette CE DESIGNAT ment you desir	er or telegra ED FOR TH	am which includes HE RECEIPT OF e an offer already
	IT MODIFIE: JED PURSU I 10A. NTRACT/OR	S THE CONTRACT. JANT TO: (Specify a	TO REFLECT THE	SCRIB IGES S ADMIN	ED IN ITEM 14. ET FORTH IN ITE ISTRATION CHAN	M 14. ARE N		
C. THIS SUPPLEMENTAL AGREE					, ,	•		
D. OTHER: (specify type of modified	cation and au	uthority)						
E. IMPORTANT: Contractor ☐ is not 14. DESCRIPTION OF AMENDMENT/N							matter wh	nere feasible.)
6871159 - B4257 Provide Utili	ties for Co	ommunication To	ower, Marine Co	rps Ai	r Station Cherr	y Point, N	С	
This amendment is being issu	ed to resp	ond to pre-awar	d RFIs.					
The deadline to submit pre-av	ard RFIs	of 20 November	has past. No fu	ırther	RFIs will be ac	cepted.		
The proposal due date of 3 De	ecember 2	2019 at 1200 loc	al time remains	uncha	nged.			
See Attached.								
15A. NAME AND TITLE OF SIGNER (T	16A. NAME A	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)						
15B. CONTRACTOR/OFFEROR (Same	as Item 8)	15C. DATE SIGN	ED 16B. UNITED	STATE	ES OF AMERICA		16C. D	ATE SIGNED
(Signature of person authorized to sign)				gnature	of Contracting Of	ficer)		

30-105

CONTINUATION SHEET

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

SECTION 00 01 15, LIST OF DRAWINGS

Delete Drawing 12798256 - ELMR and Antenna Notes in its entirety and replace with the revised Drawing 12798256 - ELMR and Antenna Notes, dated 11/21/19, which is attached to and made part of this Amendment.

RFI Responses:

1. New work note # 18 on sheet CS101 of the contract drawings depicts a new ice bridges and directs examination of electrical drawings for further information. There is no further information on the electrical drawings. We need a plan view indicating the number, height, and location of pipe stands.

Response: See revised sheet E-503. Submit Proposals in accordance with RFP, Specifications, Drawings, and all Amendments.

2. There is a typical ice bridge detail given on sheet S-501 but it is incomplete. We need to know how the communications conduits and wave guides are situated and what type of protection/covering is expected.

Response: See revised sheet E-503. Submit Proposals in accordance with RFP, Specifications, Drawings, and all Amendments.

• ONE (1) EMERGENCY LIGHT.

CONDITIONING UNIT.

ONE (1) LINE VOLTAGE SMOKE DETECTOR.

ONE (1) AIR CONDITIONER FAILURE ALARM.

• ONE (1) UTILITY POWER FAILURE ALARM.

• ONE (1) SET OF GENERATOR ALARMS.

ONE (1) HIGH TEMPERATURE ALARM.

ONE (1) LOW TEMPERATURE ALARM.

ALARM DEVICE CONTACTS

CUSTOMER EQUIPMENT.

RESISTANCE HEAT STRIPS AND WASHABLE DUST FILTERS.

INTEGRAL TO THE DEVICE OFFERED OR STATED OTHERWISE IN THE PROPOSAL.

EXTERIOR RING GROUND SYSTEM TO BE INSTALLED BY THE CONTRACTOR.

• ONE (1) 1/4" X 4" X 12" ISOLATED COPPER TELCO GROUND PLATE.

• TWO (2) 1/4" X 4" X 20" ISOLATED COPPER MAIN GROUND PLATES.

FUEL TYPE: DIESEL

 BASIS OF DESIGN: GENERAC MODEL SD035 • OUTPUT KW: 35

PHASE: SINGLE

VOLTAGE: 120/240V

• FREQUENCY: 60 HZ

ENCLOSURE: OUTDOOR

• FUEL TANK TYPE: SUBBASE 132 GALLONS

 FUEL PIPING: INCLUDED ENGINE COOLANT HEATER: VOLT: 110

• OIL & ANTIFREEZE: INCLUDED

BATTERY AND BATTERY RACK:INCLUDED

 BATTERY VOLTAGE: 12 VDC BATTERY CABLES: INCLUDED

MUFFLER TYPE: CRITICAL

FLEXIBLE EXHAUST SECTION: INCLUDED

AUTOMATIC TRANSFER SWITCH INSTALLED IN THE SHELTER

QUANTITY: 1

BASIS OF DESIGN: GENERAC MODEL GT200

APPLICATION: UTILITY TO GENSET

• AMPERE RATING: 200 • VOLTAGE: 120/240V

PHASE: SINGLE

FREQUENCY: 60HZ

NEUTRAL KIT: INCLUDED

• EXERCISER: 7-DAY ENCLOSURE: NEMA-1

• ONE YEAR FROM DATE OF CONDUCT STARTUP AND TESTING BY A MANUFACTURER'S AUTHORIZED REPRESENTATIVES OF ALL SYSTEMS PROVIDED WITH THE SHELTER AT THE SITE AFTER INSTALLATION IS COMPLETE. SUBMIT REPORT TO THE GOVERNMENT FOR REVIEW AND APPROVAL.

PROVIDE AN UNINTERRUPTIBLE POWER SYSTEM WITH FEATURES AS DESCRIBED BELOW:

• QUANTITY: 1

• TYPE: DOUBLE CONVERSION

 BASES OF DESIGN: EATON MODEL POWERWARE 9170 OUTPUT KVA RATING: 18 KVA

• INPUT PHASE: SINGLE PHASE

INPUT VOLTAGE: 120/240V

• OUTPUT PHASE: SINGLE

• OUTPUT VOLTAGE: 120/240V

• FREQUENCY: 60 HZ

• FULL LOAD BATTERY BACKUP MINUTES: 6

WARRANTY: MANUFACTURER'S STANDARD

STARTUP: AT VFP FACTORY

INSTALLATION WIRING AND CONDUIT PER MANUFACTURER'S INSTRUCTION AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE NFPA70.

ACCESORIES

• ONE (1) EIGHT - PORT/WAVEGUIDE ENTRY PANEL WITH 6" SLEEVES AND PROTECTIVE BLANK COVERS.

• THIRTY FEET (30') OF 12" WIDE CABLE LADDER/TRAY.

• ONE (1) 4'X 8'X 3/4" EQUIPMENT MOUNTING BOARD.

• ONE (1) PORTABLE 10 POUND CO2 FIRE EXTINGUISHER.

• ONE (1) SERVICE MANUAL.

 PROVIDE THREE (3) SETS OF SHELTER DRAWINGS WITH EACH SHELTER UNIT ORDER. TYPICAL FOUNDATION DRAWINGS BASED UPON NORMAL SOIL CONDITIONS ARE AVAILABLE TO SUPPORT CALCULATIONS FOR RECOMMENDED SHELTER TIE DOWN LOCATIONS. NO OTHER FOUNDATION DRAWINGS ARE OFFERED IN THE PROPOSED SHELTER PRICE. ADDITIONAL FOUNDATION DRAWINGS CAN BE PROVIDED AND WILL BE NEGOTIATED SEPARATELY.

 ALL WIRING WILL BE INSTALLED IN SURFACE MOUNTED CONDUIT OR WIREWAYS IF SPECIFIED AND WILL BE IN FULL COMPLIANCE WITH ANSI/NFPA-70 - THE NATIONAL ELECTRICAL CODE, LATEST REVISION.

SHELTER IS TO BE BUILT ACCORDING THE LATEST UFC AND IBC EDITIONS AND STATE AND LOCAL

COMMUNICATION TOWER ANTENNAS:

GENERAL:

GROUNDING

EQUIPMENT.

GENERATOR SET

• TYPE: STANDBY RATED

Quantity: 1

PROVIDE TWO TRANSMIT ANTENNAS AND ONE RECEIVE ANTENNA ON THE ELMR TOWER. WORK MUST BE PERFORMED BY AN AUTHORIZED HARRIS CORPORATION DISTRIBUTOR IN ORDER TO MAINTAIN WARRANTY ON EQUIPMENT. SEE PROJECT MANUAL FOR TRANSMIT AND RECEIVE ANTENNA SPECIFICATIONS.

PROVIDE AND INSTALL (1) DB SPECTRA DS3A09P36—U RECEIVE ANTENNA AT TOP OF TOWER

• TWO (2) ONE TON, 240 VOLT, SINGLE PHASE, 10 EER WALL MOUNT AIR CONDITIONING UNITS, WITH LOW AMBIENT AND COMPRESSOR ANTI CYCLE CONTROLS, ECONOMIZERS, COATED COILS, INTEGRAL 3 KW

• REDUNDANT LEAD/LAG CONTROLS ALLOWING APPROXIMATELY EQUAL OPERATING TIME ON EACH AIR

• ONE (1) INTRUSION ALARM SWITCH WITH FORM "C" CONTACTS RATED .1 AMPS AT 28 VDC.

ONE (1) AIR CONDITIONER COMPRESSOR HIGH AND LOW HEAD PRESSURE LOCKOUT SWITCH ALARM.

PROVISIONS FOR THE CONNECTION OF A GROUNDING ELECTRODE CONDUCTOR AT THE SHELTER SERVICE

PROVIDE AND INSTALL A STANDBY GENERATOR POWER SYSTEM WITH FEATURES AS DESCRIBED BELOW:

• ONE HARRIS STANDARD GROUND SYSTEM CONSISTING OF A 2 AWG STRANDED GREEN INSULATED COPPER HALO,

APPROXIMATELY 6 INCHES BELOW THE CEILING, WITH VERTICAL 2 AWG BARE/TINNED COPPER DROPS THROUGH

THE FLOOR AT EACH CORNER. A LENGTH OF WIRE IS COILED AT EACH DROP TO ALLOW ATTACHMENT TO AN

THE FOLLOWING ALARM DEVICE CONTACTS WILL BE WIRED AND BROUGHT TO A LOCATION SPECIFIED BY THE CUSTOMER. THE ALARM WIRES WILL BE COILED AND TAGGED FOR IDENTIFICATION. PROVIDE TERMINATIONS AT

THERE ARE NO PROVISIONS FOR AUDIBLE, VISUAL OR REMOTE ALARM MONITORING OFFERED, EXCEPT WHERE IT IS

- PROVIDE AND INSTALL (2) DB SPECTRA DS3A03P36-U TRANSMIT ANTENNAS 20'DOWN FROM RECEIVE ANTENNA.
- PROVIDE AND INSTALL (2) 6' STANDOFF MOUNTS.
- PROVIDE AND INSTALL (3) 1-5/8" COAX RUNS, (1) TO EACH ANTENNA WITH CONNECTORS, GROUND KITS AND MOUNTING HARDWARE.
- PROVIDE AND INSTALL (6) 1/2" JUMPERS (3) TOP AND (3) SHELTER.
- PROVIDE AND INSTALL (3) SURGE ARRESTORS.
- COMPLETE TESTING PER CUSTOMER SPECIFICATIONS.

ICE BRIDGE:

ICE BRIDGE MUST BE PROVIDED WHERE SHOWN ON SHEET CS101 AND SUPPORTED AS INDICATED BY DETAIL B3 ON SHEET S-501. ICE BRIDGE CONFIGURATION, LOCATION OF RF CABLING ALONG ICE BRIDGE, AND HEIGHT OF PIPE SUPPORTS MUST BE COORDINATED WITH THE AUTHORIZED HARRIS CORPORATION DISTRIBUTOR/INSTALLER REFERENCED ON THIS SHEET. HEIGHT OF PIPE SUPPORTS MUST ALSO BE COORDINATED WITH THE RF CABLE ROUTING HEIGHTS AT THE COMMUNICATIONS BUILDING, COMMUNICATIONS TRAILER, AND COMMUNICATIONS TOWER. PIPE SUPPORTS MUST BE SPACED EVENLY THROUGHOUT THE ICE BRIDGE ROUTE, BUT SPACING MUST NOT EXCEED 10'.

~~~~~~~~

USE OFFICIAL FOR COMMANDER NAVFAC SATISFACTORY TO SKPM | DRW ADR | CHK JEB CORPS AIR STATION CHERRY POINT PROVIDE UTILITIES FOR OMMUNICATION TOWER B SCALE: AS NOTED MAXIMO WORK ORDER NO. 6871159 AVFAC DRAWING NO.

5 UNCLASSIFIED//FOR OFFICIAL USE ONLY

5 UNCLASSIFIED//FOR OFFICIAL USE ONLY

12798256

ET **19** OF **25** E - 503

USE

REQUIREMENTS.