



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
LOUISVILLE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 59
LOUISVILLE, KENTUCKY 40201-0059

Contracting Division

23 March 2023

Richard Group, LLC
Iron Mike Construction, LLC
AMI & LGC JV, LLC

Dear MATOC Contractors:

Reference is made to solicitation W912QR-30409287 for the AFMC Headquarters Renovation Movement Support Contract (Task Order M1) for electrical & telecommunications infrastructure at WPAFB, OH.

- See the attached Summary of Changes for Amendment 0001.

The proposal due date remains 2:00 PM ET on 29 March 2023. Submit your proposal by email to Renee Booth at Meranda.R.Booth@usace.army.mil. Proposals not received by the stated date/time will not be considered. Please acknowledge receipt of this RFP amendment by signing below in the space provided and returning to Renee Booth via email.

If you have contractual questions, please contact Renee Booth at Meranda.R.Booth@usace.army.mil. If an Offeror believes that the requirements in the RFP contain an error, omission, or are otherwise unsound; the offeror shall immediately notify the Contract Specialist in writing with supporting rationale. The Offeror is reminded that the Government reserves the right to award this RFP based on the initial proposals, as received, without discussion.

Sincerely,

JUDD.APRIL
L.CAROL.1
408885210

Digitally signed by
JUDD.APRIL.CAROL
.1408885210
Date: 2023.03.23
11:30:10 -04'00'

April C. Judd
Contracting Officer

(Signature)

(Date)

(Printed Name)

(Firm Name)

SUMMARY OF CHANGES

- a. The following SPECIFICATION SECTIONS have been added in their entirety:

 Submittal Register (included as attachment to 00 80 50.00 06)
- b. The following SPECIFICATION SECTIONS have been replaced in their entirety:

 00 70 00
 00 80 50.00 06 SPECIAL PROVISIONS
 01 11 50.00 06 TASK ORDER SCOPE OF WORK
- c. Wage Determination OH20230093 dated 02/03/2023 is hereby revised and replaced in its entirety by OH20230093 dated 03/03/2023.
- d. The proposal due date remains 29 March 2023 at 2:00 pm ET. Acknowledgment of this amendment and proposals are due at that time. All other terms and conditions remain unchanged.

SECTION 00 70 00 (00 75 00)**AMENDMENT 0001*********52.211-10 Commencement, Prosecution, and Completion of Work (Apr 1984)**

The Contractor shall be required to

(a) commence work under this contract within 10 calendar days after the date the Contractor receives the Construction Notice to Proceed (NTP). A ~~forty-five (45)~~ **thirty (30)** calendar day Administrative NTP will be issued after the Bonds are received, followed by a ~~ninety (90)~~ **one hundred five (105)** calendar day Construction NTP.

(b) prosecute the work diligently, and

(c) complete the entire work ready for use not later than 135 calendar days from Administrative NTP (45 **30** calendar day period for Administrative NTP and 90 **105** calendar day Construction NTP).

*The time stated for completion shall include final cleanup of the premises.

(End of Clause)

52.211-12 Liquidated Damages -- Construction (Sept 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of ~~\$475.00~~ **\$975.00** for each calendar day of delay until the work is completed or accepted.

Information for the user damages for each phase of construction can be found in SECTION 00 80 50.00 06, 1.32.1. Phasing

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(End of Clause)

*******AMENDMENT 0001****52.211-13 Time Extensions (Sept 2000)**

Time extensions for contract changes will depend upon the extent, if any, by which the changes cause delay in the completion of the various elements of construction. The change order granting the time extension may provide that the contract completion date will be extended only for those specific elements related to the changed work and that the remaining contract completion dates for all other portions of the work will not be altered. The change order also may provide an equitable readjustment of liquidated damages under the new completion schedule.

(End of Clause)

52.217-7 -- Option for Increased Quantity -- Separately Priced Line Item.

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option Reference Price Breakout Schedule. Delivery of added items shall continue at the same rate that like items are

called for under the contract unless the parties otherwise agree.

(End of Clause)

52.236-1 Performance of Work by the Contractor.

The Contractor shall perform on the site, and with its own organization, work equivalent to at least **20** percent of the total amount of work to be performed under the contract. This percentage may be reduced by a supplemental agreement to this contract if, during performing the work, the Contractor requests a reduction, and the Contracting Officer determines that the reduction would be to the advantage of the Government.

(End of clause)

52.236-4 Physical Data (Apr 1984)

Data and information furnished or referred to below is for the Contractor's information. The Government shall not be responsible for any interpretation of, or conclusion drawn from the data or information by the Contractor.

- (a) The indications of physical conditions on the drawings and in the specifications are the result of site investigations by N/A.
- (b) Weather conditions: The Contractor shall make his own investigations as to weather conditions at the site. Data may be obtained from various National Weather Service offices located generally at airports of principal cities, the nearest to this project being: Dayton, OH
- (c) Transportation facilities: Access ways shall be investigated by the Contractor to satisfy himself as to their existence and allowable use.
- (d) Historical data for all areas may be obtained from:
 - U. S. Department of Commerce
 - National Climatic Center
 - Federal Building
 - Asheville, N. C. 28801

(End of Clause)

52.236-14 Availability and Use of Utility Services.

(a) The Government shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies, as specified in the contract. Unless otherwise provided in the contract, the amount of each utility service consumed shall be charged to or paid for by the Contractor at prevailing rates charged to the Government or, where the utility is produced by the Government, at reasonable rates determined by the Contracting Officer. The Contractor shall carefully conserve any utilities furnished without charge.

(b) The Contractor, at its expense and in a workmanlike manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used for the purpose of determining charges. Before final acceptance of the work by the Government, the Contractor shall remove all the temporary connections, distribution lines, meters, and associated paraphernalia.

(End of clause)

52.236-27 Site Visit (Construction) (Feb 1995) – Alternate I (Feb 1995)

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.

(b) An organized site visit has been scheduled for –

16 MARCH 2023 at 0900 ET

All attendees are required to meet at 1900 Founders Way, Kettering OH.

Schedule:

0900-0915: Registration for site visit

0915-1100: Site Visit 1900 Founders Way – Movement Support Bldg

No inquiries will be allowed during the site visit. All inquiries must be submitted via the Projnet Bidder Inquiry site. A Bidder Key is provided with the solicitation information.

Please RSVP the following information:

1. Name of Attendee
2. Company
3. Phone Number and Email Address

Please remember to bring a Current State Issued ID in order to attend the site visit.

Send RSVP to edward.g.borden@usace.army.mil. **USACE must receive the RSVP email by 1400 hours ET on 14 March 2023.** No additional attendees will be registered after this date or time. A Confirmation email will be sent out no later than 15 March 2022, to confirm each registration.

(End of provision)

52.246-21 Warranty of Construction (Mar 1994)

(a) In addition to any other warranties in this contract, the Contractor warrants, except as provided in paragraph (i) of this clause, that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or design furnished, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. This warranty shall continue for a period of 1 year from the date of final acceptance of the work. If the Government takes possession of any part of the work before final acceptance, this warranty shall continue for a period of 1 year from the date the Government takes possession.

(b) The Contractor shall remedy at the Contractor's expense any failure to conform, or any defect. In addition, the Contractor shall remedy at the Contractor's expense any damage to Government-owned or controlled real or personal property, when that damage is the result of --

- (1) The Contractor's failure to conform to contract requirements; or
- (2) Any defect of equipment, material, workmanship, or design furnished.

(c) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for 1 year from the date of repair or

replacement.

(d) The Contracting Officer shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage.

(e) If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the Government shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense.

(f) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall –

(1) Obtain all warranties that would be given in normal commercial practice;

(2) Require all warranties to be executed, in writing, for the benefit of the Government, if directed by the Contracting Officer; and

(3) Enforce all warranties for the benefit of the Government, if directed by the Contracting Officer.

(g) In the event the Contractor's warranty under paragraph (b) of this clause has expired, the Government may bring suit at its expense to enforce a subcontractor's, manufacturer's, or supplier's warranty.

(h) Unless a defect is caused by the negligence of the Contractor or subcontractor or supplier at any tier, the Contractor shall not be liable for the repair of any defects of material or design furnished by the Government nor for the repair of any damage that results from any defect in Government-furnished material or design.

(i) This warranty shall not limit the Government's rights under the Inspection and Acceptance clause of this contract with respect to latent defects, gross mistakes, or fraud.

(End of Clause)

52.222-23 Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity for Construction.

(a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.

(b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Location	Goals for Minority Participation for Each Trade	Goals for Female Participation for Each Trade
<i>Montgomery, OH</i>	<i>11.5%</i>	<i>6.9%</i>

These goals are applicable to all the Contractor's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the Contractor shall apply the goals established for the geographical area where the work is actually performed. Goals are published periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs office.

(c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action

obligations required by the clause entitled "Affirmative Action Compliance Requirements for Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246, as amended, and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

(d) The Contractor shall provide written notification to the Deputy Assistant Secretary for Federal Contract Compliance, U.S. Department of Labor, within 10 working days following award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the-

- (1) Name, address, and telephone number of the subcontractor;
- (2) Employer's identification number of the subcontractor;
- (3) Estimated dollar amount of the subcontract;
- (4) Estimated starting and completion dates of the subcontract; and
- (5) Geographical area in which the subcontract is to be performed.

(e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is the state of Ohio, Montgomery County, and city of Dayton.

(End of provision)

252.236-7001 Contract Drawings and Specifications (Aug 2000)

(a) The Government will provide to the Contractor, without charge, one set of contract drawings and specifications, except publications incorporated into the technical provisions by reference, in electronic or paper media as chosen by the Contracting Officer. The Contractor shall—

- (1) Check all drawings furnished immediately upon receipt;
- (2) Compare all drawings and verify the figures before laying out the work;
- (3) Promptly notify the Contracting Officer of any discrepancies;
- (4) Be responsible for any errors that might have been avoided by complying with this paragraph (b); and
- (5) Reproduce and print contract drawings and specifications as needed.

(b) In general—

- (1) Large-scale drawings shall govern small-scale drawings; and
- (2) The Contractor shall follow figures marked on drawings in preference to scale measurements.

(c) Omissions from the drawings or specifications or the misdescription of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.

(d) The work shall conform to the specifications and the contract drawings identified on the following index of drawings: **G-001**

(End of clause)

AMENDMENT 0001*****

"General Decision Number: OH20230093 03/03/2023

Superseded General Decision Number: OH20220093

State: Ohio

Construction Type: Building

County: Montgomery County in Ohio.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	Executive Order 14026 generally applies to the contract. The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	Executive Order 13658 generally applies to the contract. The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a

conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/06/2023
1	01/13/2023
2	02/03/2023
3	03/03/2023

ASBE0008-010 03/01/2022

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 32.33	20.19

BROH0022-005 06/01/2021		

	Rates	Fringes
BRICKLAYER.....	\$ 28.74	16.49

BROH0022-011 07/01/2021		

	Rates	Fringes
TILE FINISHER.....	\$ 24.98	9.85

ELEC0082-004 12/05/2022		

	Rates	Fringes
ELECTRICIAN.....	\$ 34.25	21.26

ELEV0011-002 01/01/2023		

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 52.72	37.335+a+b

PAID HOLIDAYS:

a. New Year's Day, Memorial Day, Independence Day, Labor Day, Vetern's Day, Thanksgiving Day, the Friday after Thanksgiving, and Christmas Day.

b. Employer contributes 8% of regular hourly rate to vacation pay credit for employee who has worked in business more than 5 years; 6% for less than 5 years' service.

ENGI0018-034 05/01/2018

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Crane.....	\$ 35.89	15.09

ENGI0066-045 06/01/2017

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Forklift.....	\$ 28.87	19.66
Grader/Blade.....	\$ 32.42	19.66
Mechanic.....	\$ 32.92	19.66

IRON0044-020 06/01/2021

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 31.32	21.00

IRON0290-006 06/01/2022

	Rates	Fringes
IRONWORKER (Reinforcing and Structural).....		
	\$ 31.59	23.85

LABO1410-005 05/01/2021

	Rates	Fringes
LABORER		
Asbestos Abatement (Removal from Ceilings, Floors, and Walls).....		
	\$ 29.25	11.80
Mason Tender - Brick.....	\$ 25.10	10.90

PAIN0249-005 06/01/2020

	Rates	Fringes
PAINTER (Brush and Roller).....	\$ 24.17	11.22

* PAIN0387-002 11/01/2022

	Rates	Fringes
GLAZIER.....	\$ 30.33	17.22

PLUM0050-009 07/04/2022

	Rates	Fringes
PIPEFITTER (Excludes HVAC Pipe Installation).....		
	\$ 44.60	28.51

 PLUM0162-008 06/01/2022

	Rates	Fringes
PLUMBER (HVAC Pipe Installation Only).....	\$ 36.47	26.80

ROOF0042-001 08/01/2022

	Rates	Fringes
ROOFER.....	\$ 30.90	18.25

SFOH0669-009 04/01/2021

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 39.25	25.81

* UAVG-OH-0021 01/01/2019

	Rates	Fringes
OPERATOR: Oiler.....	\$ 27.56	16.37

* UAVG-OH-0025 01/01/2018

	Rates	Fringes
SHEET METAL WORKER, Excludes HVAC Duct and Unit Installation.....	\$ 28.10	23.41

* UAVG-OH-0031 01/01/2018

	Rates	Fringes
BRICKLAYER: TILE SETTER.....	\$ 26.09	12.30

SUOH2012-095 08/29/2014

	Rates	Fringes
CARPENTER.....	\$ 21.59	5.70
CEMENT MASON/CONCRETE FINISHER...	\$ 26.07	12.34
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 21.02	4.21
FORM WORKER.....	\$ 22.41	9.01
LABORER: Common or General.....	\$ 20.87	5.92

LABORER: Mason Tender - Cement/Concrete.....	\$ 22.95	8.60
LABORER: Pipelayer.....	\$ 23.98	8.58
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 33.36	6.13
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 30.26	12.58
OPERATOR: Bulldozer.....	\$ 26.01	4.95
OPERATOR: Loader.....	\$ 29.99	12.80
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 30.28	13.29
OPERATOR: Roller.....	\$ 28.25	12.61
PAINTER: Spray.....	\$ 22.78	12.40
PLUMBER, Excludes HVAC Pipe Installation.....	\$ 26.21	12.51
SHEET METAL WORKER (HVAC Duct and HVAC Unit Installation Only).....	\$ 24.28	10.50
TRUCK DRIVER: Dump (All Types)...	\$ 22.08	11.51

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

*****AMENDMENT 0001

475429 AFMC MVMT SPT, TASK ORDER M1
KETTERING OH

AMENDMENT 0001*****

SECTION 00 80 50.00 06

SPECIAL PROVISIONS

01/20

AMENDMENT 0001

PART 1 GENERAL

This section is a supplement to section 00 80 00.00 06 in the base contract. This document will provide additional information or revise base contract requirements for this task order only.

Attachments to this specification are as follows:

Project Submittal Register

1.1. SUBMITTALS

Government approval/acceptance is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with LRL Section 01 33 00.00 06 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Labor, Equipment And Material Reports; G
Daily Equipment Report; G

SD-05 Design Data

Equipment-In-Place List
Maintenance And Parts Data
Progress Photographs

SD-11 Closeout Submittals

Preliminary (Working) As-Built Drawings; G
Final As-Built Drawings; G

1.2. COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK

1.2.1. Refer to "LIQUIDATED DAMAGES" in Section 0750 for the amount of Liquidated Damages for the project.

The time stated in Section 00 70 50 for commencement, prosecution, and completion of work shall include installation of Government-furnished furniture as well as as-built drawings, O&M manuals, operational tests/reports/training/instructions, equipment lists.

Refer to FAR 52.211-10 "Commencement, Prosecution, and Completion of Work" in Section 0750 for a notification of significant contract dates.

475429 AFMC MVMT SPT, TASK ORDER M1
KETTERING OH

1.2.2. Additional Requirements/Clarifications of Work Included Within the Contract. The time stated in FAR 52.211-10 "Commencement, Prosecution, Completion of Work" in Section 0750 for completion shall include preparation of as-built drawings, O&M manuals, operational tests/reports/training/instructions, equipment lists.

1.3. NOT USED

1.4. TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER

This provision specifies the procedure for the determination of time extensions for unusually severe weather in accordance with the FAR 52.249-10 "Default (Fixed-Price Construction)". Guidance can also be found in [ER 415-1-15](#), "Construction Time Extensions for Weather". In order for the Contracting Officer to award a time extension under this clause, the following conditions must be satisfied:

- a) The weather experienced at the project site during the contract period must be found to be unusually severe, that is, more severe than the adverse weather anticipated for the project location during any given month.
- b) Indicate the location of the National Weather Service office closest to the site. See: <https://www.weather.gov/srh/nws/offices>. The Contractor shall make his own investigations and determinations as to weather conditions at the site. Data may be obtained from various National Weather Service offices located generally at airports of principal cities, the nearest to this project being DAYTON INTERNATIONAL AIRPORT.
- c) The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without the fault or negligence of the Contractor.

The following schedule of monthly anticipated adverse weather delays is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the project location and will constitute the base line for monthly weather time evaluations. The Contractor's progress schedule must reflect these anticipated adverse weather delays in weather dependent activities.

MONTHLY ANTICIPATED ADVERSE WEATHER DELAY WORKDAYS
BASED ON (5) DAY WORK WEEK

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
11	8	6	5	6	6	4	3	4	4	5	8

Upon acknowledgment of the Notice to Proceed (NTP) and continuing throughout the contract, the Contractor will record on the daily CQC report, the occurrence of adverse weather and resultant impact to normally scheduled work. Actual adverse weather delay days must prevent work on critical activities for 50 percent or more of the Contractor's scheduled workday. The number of actual adverse weather delay days

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shall include days impacted by actual adverse weather (even if adverse weather occurred in previous month), be calculated chronologically from the first to the last day of each month and be recorded as full days. If the number of actual adverse weather delay days exceeds the number of days anticipated listed above, the Contracting Officer will convert any qualifying delays to calendar days, giving full consideration for equivalent fair-weather workdays, and issue a modification in accordance with the FAR 52.249-10 "Default (Fixed-Price Construction)."

1.5. WAGE RATES

The decision of the Secretary of Labor, covering rates of wages, including fringe benefits to be paid laborers and mechanics performing work under this contract, is attached to this solicitation. The payment for all classes of laborers and mechanics actually employed to perform work under the contract will be specified in the following contract provisions: FAR 52.222-4 "Contract Work Hours and Safety Standards -- Overtime Compensation"; FAR 52.222-6 "Construction Wage Rate Requirements;" and, FAR 52.222-10 "Compliance with Copeland Act Requirements".

Wage decision included is **OH20230093 02/03/2023** (Building)

The building decision applies to TASK ORDER M1.

The work to be performed is in the STATE OF OHIO, MONTGOMERY COUNTY.

1.6. GOVERNMENT FIELD OFFICE FACILITIES AND SERVICES

No Government Field Office will be required. Section 01 50 00 Paragraph does not apply to this task order.

1.7. NOT USED

1.8. EXERCISE OF OPTION (EXTENDED CONTRACTUAL COVERAGE)

Subsequent procurement of services of the type herein described may be accomplished at the sole determination of the Government.

Exercise of the option under this provision shall be evidenced by a unilateral modification to the contract provided that the Contracting Officer shall have exercised the option before the contract is to expire.

1.9. AS-BUILT DOCUMENTS FOR DESIGN BID BUILD PROJECTS

1.9.1. General. This section covers the completion of **final as-built drawings**, as a requirement of the contract. The Contractor is responsible for maintaining paper copy working as-built drawings during the construction phase. These paper copy drawings will be used by the Contractor to prepare, maintain, and submit the final as-built drawings.

1.9.1.1. As-Built Drawings. An as-built drawing is a contract construction drawing revised to reflect the final as-built conditions of the project because of modifications, changes, corrections to the project design required during construction,

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submittals, and extensions of design. The terms "drawings," "contract drawings," "drawing files," "working as-built drawings" and "final as-built drawings" refer to contract drawings that are revised to be used for the "RECORD DRAWING AS-BUILTS".

1.9.1.2. Government-Furnished Files

1.9.1.2.1. The Contractor will be provided electronic files (PDFs only) at the beginning of construction for use during the construction phase which are to be maintained during construction for the preparation of as-builts. The Contractor shall be responsible to print two full size paper copies. The Contractor shall enter changes and corrections on two sets of paper full size construction plans on a weekly basis in accordance with Paragraph "Maintenance of Working As-Built Drawings" in this section.

1.9.1.2.2. The Contractor shall submit completed working paper as-built drawings to the Contracting Officer's Representative based on the paper copy markups maintained by the Contractor during construction. The Contractor shall also provide the same as-builts as an electronic file (PDF format only).

1.9.2. Withholding. Maintenance of working as-builts is considered part of the value of the facilities being constructed and will not be paid for as a separate line item. All costs in conjunction with periodic as-built maintenance and final preparation shall be considered a subsidiary obligation of the Contractor.

1.9.2.1. Failure to Maintain. If the Contractor fails to maintain the working as-built drawings as specified herein, the Contracting Officer will deduct from the monthly progress payment an amount up to 10% or which, in the Contracting Officer's judgment, represents the estimated cost of bringing the as-built documents up to date. This monthly deduction will continue until an agreement can be reached between the Contracting Officer and the Contractor regarding the accuracy and completeness of working as-built documents. This includes conversion of submittals and other miscellaneous documents.

1.9.2.2. As-Builts Prepared by Contractor. The Contractor is required to prepare and provide final as-built drawings. The Contractor shall include an activity in the cost-loaded schedule for the final As-Built drawing submittal in the amount defined in the following paragraph. See LRL Section 01 32 01.00 06, PROJECT SCHEDULE, para "Basis for Payment and Cost Loading". This amount shall be withheld and not paid until the final As-Built drawing submittal has been accepted by the Government.

Withholding for the final as-built drawing submittal shall be in the amount of 1% for contract awards less than \$5,000,000; \$50,000 for contracts awarded from \$5,000,000 to \$10,000,000; or \$100,000 for contracts awarded greater than \$10,000,000. Withholding shall be withheld until the final as-built drawing submittal has been approved and accepted by the Government.]

1.9.3. Maintenance of Working As-Built Drawings

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The Contractor shall revise two (2) sets of paper drawings by red-line process to show the as-built conditions during the prosecution of the project. These as-built marked drawings shall be kept current on a weekly basis and available on the jobsite at all times. Changes in the work from the contract or additional information which is uncovered in the course of construction shall be accurately and neatly recorded as they occur by means of details and notes. Changes must be reflected on all sheets that the change affects. The working as-built marked drawings will be jointly reviewed for accuracy and completeness by the Contracting Officer and the Contractor before submission of each monthly pay estimate. The working as-built drawings shall show the following information if applicable to the project, but not be limited thereto:

- a. The actual location, kinds, and sizes of all sub-surface utility lines. In order that the location of these lines and appurtenances may be determined in the event the surface openings or indicators become covered over or obscured, the as-built drawings shall show, by offset dimensions to two permanently fixed surface features, the end of each run including each change in direction. Valves, splice boxes and similar appurtenances shall be located by dimensioning along the utility run from a reference point. The average depth below the surface of each run shall also be recorded.
- b. The location and dimensions of any changes within the building structure.
- c. The correct alignments, grade elevations, typical cross section, earthwork, structures, or utilities if any changes were made from contract plans.
- d. Additional as-built information that exceeds the detail shown on the Contract Drawings. These as-built conditions include those that reflect structural details, fabrication, erection, installation plans and placing details, pipe sizes, insulation material, dimensions of equipment foundations and layouts, equipment, sizes, mechanical and electrical room layouts and other extensions of design, that were not shown in the original contract documents because the exact details were not known until after the time of approved shop drawings. It is recognized that the shop drawing submittals (revised showing as-built conditions) will serve as the as-built record without actual incorporation into the contract drawings. The final as-built construction drawing shall reference the shop drawing file that includes the as-built information. In turn, the shop drawing shall reference the applicable construction as-built drawing. All such shop drawing submittals must include the paper copy and PDF of the drawings.
- e. The invert elevations and grades of any drainage structures or ditches installed or affected as part of the project construction.
- f. Changes or modifications which result from the final inspection.

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- g. Contour map of the final borrow pit or spoil area with spot elevations as necessary if: borrow material is from sources on Government property; Government property is used as a spoil area; or, if excavated soil materials are placed in approved locations other than a landfill.
- h. Where contract drawings present options, only the option selected for construction shall be shown on the final as-built drawings.
- i. Systems designed or enhanced by the Contractor, such as HVAC controls, fire alarms, fire sprinklers, fire protection, fire detection and irrigation systems and other related systems in this project, shall be incorporated into the as-built drawings to include detailed information for all aspects of the systems including wiring, piping, and equipment drawings.
- j. Room numbers shown on the contract drawings are selected for design convenience and may not represent the actual numbers intended for use by the end user. Final as-built drawings shall reflect actual room numbers adopted by the end user.
- k. Contract modification (change order price) shall include the Contractor's cost to change working and final as-built drawings to reflect modifications and compliance with the following procedures (See "Markings and Indicators"):
 - 1) Directions in the modification for posting descriptive changes shall be followed.
 - 2) A Revision Triangle shall be placed at the location of each deletion.
 - 3) For new details or sections which are added to a drawing, a Revision Triangle shall be placed by the detail or section title.
 - 4) For minor changes, a Revision Triangle shall be placed by the area changed on the drawing (each location).
 - 5) For major changes to a drawing, a Revision Triangle shall be placed by the title of the affected plan, section, or detail at each location.
 - 6) For changes to schedules or drawings, a Revision Triangle shall be placed either by the schedule heading or by the change in the schedule.

1.9.4. Preliminary (Working) As-Built Drawings Submittal

Two (2) weeks before Contract Completion Date, the Contractor shall submit one (1) set of the original paper working as-built drawings to the Contracting Officer for review and approval. These working as-built marked drawings shall be neat, legible, and accurate. The review by Government personnel will be expedited to the maximum extent possible. If upon review, the working as-built drawings are found to contain errors and/or omissions, they will be returned to

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the Contractor for corrections. The Contractor shall complete the corrections and return the working as-built marked drawings to the Contracting Officer within 14 calendar days. Upon approval, the working as-built drawings will be returned to the Contractor for use in preparation of final as-built drawings.

1.9.5. Preparation of Final As-Built Drawings

The contract drawings shall be modified as may be necessary to correctly show the features of the project as it has been constructed by bringing the contract drawings into agreement with approved working as-built drawings, adding such additional drawings as may be necessary.

These final as-built drawings are part of the permanent records of the project and the Contractor shall be responsible for the protection and safety thereof until returned to the Contracting Officer. Any drawings damaged or lost by the Contractor shall be satisfactorily replaced by the Contractor at no expense to the Government.

In the event the Contractor accomplishes additional work which changes the as-built conditions of the facility, after submission and approval of the working as-built drawings, the Contractor shall be responsible for the addition of these changes to the working as-built drawings and to the final as-built documents.

1.9.6. Markings and Indicators

Changes shall be annotated in accordance with [ERDC/ITL TR-12-1](#) "A/E/C Graphics Standard_Release 2.0" at the following locations:

- a) Bottom of the revised detail.
- b) Right hand and bottom border aligned with the revised detail.
- c) The revision block of the title block.

Separate markings shall be made for each modification negotiated into the contract.

1.9.7. Preparation of Other As-Built Documents

All other non-electronic documents which may include, for example, design analysis, catalog cuts, or certification documents that are not available in native electronic format shall be scanned and provided in an organized manner in Adobe PDF format.

1.9.8. Submittal of Final As-Built Documents

Within 14 calendar days of Final Acceptance meeting of the project, Final As-Built documents shall be provided to the Contracting Officer in the formats described in paragraph "Electronic File Use". The final as-built document submittal shall also include the approved preliminary paper working as-built drawings.

1.9.9. Partial Occupancy

For projects where portions of construction are to be occupied or

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activated before overall project completion, including portions of utility systems, as-built drawings for those portions of the facility being occupied or activated shall be supplied at the time the facility is occupied or activated. This same as-built information previously furnished must also be shown on the final set of as-built drawings at project completion.

1.9.10. Electronic File Use

The Government will not provide CAD drawings for this project, nor is the Contractor required to provide as-built drawings in CAD format. The Contractor shall provide only paper copy as-builts and PDF-format electronic files only.

1.10. NOT USED

1.11. NOT USED

1.12. NOT USED

1.13. KEY PERSONNEL, SUBCONTRACTORS AND OUTSIDE ASSOCIATES OR CONSULTANTS

In connection with the services covered by this contract, any in-house personnel, subcontractors, and outside associates or consultants will be limited to individuals or firms that were specifically identified and agreed to during negotiations. The Contractor shall obtain the Contracting Officer's written consent before making any substitution for these designated in-house personnel, subcontractors, associates, or consultants.

1.14. NOT USED

1.15. NOT USED

1.16. NOT USED

1.17. NOT USED

1.18. NOT USED

1.19. NOT USED

1.20. NOT USED

1.21. NOT USED

1.22. NO ASBESTOS - CONTAINING MATERIAL (ACM) CERTIFICATION

1.22.1. Construction Phase

Before final payment to the contractor, the contractor's project engineer/manager will sign and submit to the government, on the contracting firm's letterhead, a dated copy of the following statement:

I hereby certify that to the best of my knowledge no asbestos-containing material (ACM) was used as a building material during

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this project.

I understand that the building owner presumes that all materials marked "May Contain mineral fibers" are considered asbestos unless I either:

- 1) Have on file and have submitted to the Government the manufacturer's certification that the material does not contain asbestos, or
- 2) Have supplied to the Government documentation to show that the material has been microscopically examined by an AIHA- or NVLAP-certified laboratory and the lab has determine that it that it does not contain asbestos."

1.23. NOT USED

1.24. NOT USED

1.25. AVAILABILITY OF UTILITIES

1.25.1. Availability and Use of Utility Services

See "Government Furnished Utilities" in Section 00 70 50 for availability of utilities.

1.25.2. Additional Requirements

1.25.2.1. Power

Electric Power for Small Tools not exceeding 20 amperes and 115 volts will be furnished from existing outlets, as specified in the contract, at no cost to the Contractor, subject to proper use, and that total estimated consumption will not exceed 1,000 kilowatt-hours per month. The Contractor's Small Tool Usage Plan shall be submitted for determination of estimated consumption. In the event the estimate exceeds the above allowance, the requirements for other utilities will apply.

1.25.2.2. Water

Drinking Water may be obtained from approved outlets, and at no cost to the Contractor, subject to proper use.

1.25.2.3. Sanitation

Existing Washing Facilities in the building may be used by Contractor employees during normal working hours, provided the Contractor furnishes daily cleaning service.

1.26. NOT USED

1.27. NOT USED

1.28. NOT USED

1.29. NOT USED

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1.30. NOT USED

1.31. PROJECT SIGN

A project sign is not required for this task order.

1.32. SEQUENCE OF WORK

1.32.1. Phasing

The end user intends to occupy the building in phases; therefore, the Contractor shall prioritize completion of the work accordingly. The Contractor may, at their discretion, work on multiple phases simultaneously; however, their primary focus shall be completing the phases within the timeframes provided in the narratives below. For approximately 10 days following each phase, the end user will move office equipment and personnel into the completed space.

Upon issuance of the construction Notice to Proceed (NTP), the customer/end user of the facility will schedule moving operations for each phase according to the dates provided in this section. Personnel movement will begin **immediately** after the areas are required to be 100% complete, inspected, and accepted by the Government. Contractor-caused delays may result user damages (material storage fees, costs incurred for delays caused to the moving contractor, etc.) being borne by the Contractor. **The user damages for each phase of construction will be \$1500 per day.** The table below summarizes the user and liquidated damages for this project.

Milestone	Cal days after NTP	User damages per day	Liquidated damages per day	Total damages per day
Phase 1	45	\$1,500	\$0	\$1,500
Phase 2	75	\$1,500	\$0	\$1,500
Phase 3/ Project PoP	105	\$1,500	\$975	\$2,475

1.32.1.1. Phase 1 (Communications "backbone" and First Floor)

The Contractor shall focus initial efforts on installation of the communication "backbone" (racks, vertical wire management, cabinets, fiber distribution panels, other communications room equipment and material) and the distribution from the comm/electrical room such that all workstations, printers, receptacles, and other office equipment on the first floor have power and communications as required. All electrical and communications equipment on the first floor shall be connected, tested, and fully operational. The Contractor shall complete Phase 1 (inclusive of all construction, testing, pre-final inspection, and final inspection) no later than 45 calendar days following construction NTP.

1.32.1.2. Phase 2 (Second Floor)

The Contractor shall complete the distribution from the

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comm/electrical room such that all workstations, printers, receptacles, and other office equipment on the second floor have power and communications as required. All electrical and communications equipment on the second floor shall be connected, tested, and fully operational. The Contractor shall complete Phase 2 (inclusive of all construction, testing, pre-final inspection, and final inspection) no later than 75 days following construction NTP.

1.32.1.3. Phase 3 (Third Floor)

The Contractor shall complete the distribution from the comm/electrical room such that all workstations, printers, receptacles, and other office equipment on the third floor have power and communications as required. All electrical and communications equipment on the third floor shall be connected, tested, and fully operational. The Contractor shall complete Phase 3 (inclusive of all construction, testing, pre-final inspection, and final inspection) no later than 105 days following construction NTP.

Following the completion of Phase 3, all closeout documents shall be submitted prior to Contract Required Completion Date. If any items or work has not completed Contractor will be assessed Liquidated Damages and User Damages per each working day until completion of all the work and deliverables.

1.33. NOT USED

1.34. NOT USED

1.35. NOT USED

1.36. NOT USED

1.37. NOT USED

1.38. NOT USED

1.39. NOT USED

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

PART 4 EXEMPTIONS AND CLARIFICATIONS

4.1 NOT USED

4.2 NOT USED

4.3 Veterans Employment Emphasis for U.S. Army Corps of Engineers

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In addition to complying with the requirements outlined in Sections 00 70 00 and 00 70 50 and Department of Labor regulations, U.S. Army Corps of Engineers (USACE) contractors and subcontractors at all tiers are encouraged to promote the training and employment of U.S. veterans while performing under a USACE contract. While no set-aside, evaluation preference, or incentive applies to the solicitation or performance under the resultant contract, USACE contractors are encouraged to seek out highly qualified veterans to perform services under this contract. The following resources are available to assist USACE contractors in their outreach efforts:

U.S. Department of Labor Veterans employment and Training Services (VETS): dol.gov/agencies/vets

Federal veteran employment information:
www.fedshirevets.gov/index.aspx

Veterans' Employment and Training Service (VETS):
<http://www.dol.gov/vets/>

Veterans Opportunity to Work (VOW) Program:
<http://benefits.va.gov/vow/>

U.S. Army Warrior Transition Command Employment Index:
wtc.army.mil/modules/employers/index.html

Hiring Our Heroes initiative: www.uschamberfoundation.org/hiring-our-heroes

-- End of Section --

*****AMENDMENT 0001

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AMENDMENT 0001*****

SECTION 01 11 50.00 06

SUMMARY OF WORK

01/20

PART 1 GENERAL

This section supplements section 01 11 00.00 06 in the base contract. Unless specifically noted otherwise in this Specification Section or in the base MATOC contract Volume 1 of 2 itself, all requirements of the base MATOC contract Volume 1 of 2 shall apply to this Task Order.

1.1. REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 241 (2019) Standard for Safeguarding Construction, Alteration, and Demolition Operations

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1 (2014) Safety and Health Requirements Manual

1.2. SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. Submittals with an "S" are for inclusion in the Sustainability eNotebook, in conformance with Section **01 33 29.00 06** SUSTAINABILITY REPORTING. See the Submittal Register following Section **00 80 50.00 06**.

SD-01 Preconstruction Submittals

Demolition Plan

1.3. WORK COVERED BY CONTRACT DOCUMENTS

1.3.1. Project Description

The work includes installation of communications and electrical infrastructure and incidental related work. The work required is anticipated to take place after the installation of the systems furniture. The Contractor shall open wiring/cable channels or disassemble the furniture to install and make wire/cable connections, then reassemble the furniture back to its completed state.

The Contractor shall perform final connection testing for Electric and Comms at each workstation, private office, conference rooms, and

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copier/printer. The Contractor will complete the furniture reassembly described in para 2.2.1 above prior to testing.

1.3.2. Location

The work is located at 1900 Founders Drive, Dayton OH 45420.

1.4. OCCUPANCY OF PREMISES

Building(s) will be occupied during performance of work under this Contract. See section 1.32 in 00 80 50.00 06.

1.5. EXISTING WORK

In addition to FAR 52.236-9 Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements:

- a) Remove or alter existing work in such a manner as to prevent injury or damage to any portions of the existing work which remain.
- b) Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as approved by the Contracting Officer. At the completion of operations, existing work must be in a condition equal to or better than that which existed before new work started.

1.6. EXISTING SITE UTILITIES

The contractor shall verify the capacity of all utilities serving the building. Upgrading the existing utilities, (unless noted otherwise) outside the limits of construction, is not a part of this project.

1.7. UTILITY OUTAGE REQUESTS AND UTILITY CONNECTION REQUESTS

Schedule work to minimize outages. For utility outages and connections required during the execution of work that affect existing systems, schedule outside the regular working hours or on weekends, as approved by the Contracting Officer. Schedule utility outages and connections to minimize disruptions to the Government. No additional payment will be provided for utility outages and connections required to be performed outside the regular work hours.

Submit requests for utility outages and connections in writing to the Contracting Officer for approval at least 3 calendar days in advance of the time required. In each request, state the system involved, area involved, approximate duration of outage, and the nature of work involved.

1.8. NOT USED

1.9. PERMITS

The Contractor shall investigate and submit any permits necessary for the construction of this project. All permit applications shall be completed by the Contractor and provided to the Contracting Officer for submittal to the appropriate agency. Contractor shall pay all permit fees. Copies of all permits shall be provided to the USACE.

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1.10. ENVIRONMENTAL REQUIREMENTS

1.10.1. Environmental Compliance

The contractor shall comply with the National Environmental Protection Act and all other Air Force Environmental regulations.

1.10.2. Dust Control

Contractor shall maintain all work areas free from excess dust to such reasonable degree as to avoid causing a hazard to base personnel or surrounding facilities. Dust control shall be performed as the work proceeds and whenever a dust nuisance or hazard occurs.

1.10.3. Asbestos

No asbestos containing material shall be used.

1.10.4. SDS Sheets

A Safety Data Sheet (SDS) is required for all building materials except for wood, glass, or steel. The SDS will be submitted to the Contracting Officer within seven (7) calendar days after the NOTICE TO PROCEED.

1.10.5. Hazardous Material Management

Contractor will provide the Contracting Officer (CO) the Material Safety Data Sheets (MSDS) for chemical materials to be used during the project prior to the contract award in accordance with FAR Clause 52.223-3. The Contractor will provide MSDSs' to the Contracting Officer for review prior to the contractor bringing products on the installation. The contractor must inventory all chemical materials, including but not limited to: solvents, paints, degreasers, greases, Ozone Depleting Substances, and oils, brought on base. A chemical material inventory must be maintained when used containing the nomenclature, manufacturer, part number, quantity, storage location, and the process in which the material is used. All chemical materials will be managed in accordance with federal, state, local, and Installation regulations.

1.10.6. Paint

All paints must meet Green Seal Certification and be low VOC. See the table below for additional guidance. Paint containing lead will not be used during any painting process. An MSDS will be submitted for all paint products used.

For this kind of product:	VOCs (in g/L) shall not exceed:
Flat Topcoat	50
Non-Flat Topcoat	100

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Primer or Undercoat	
Floor Paint	100
Anti-corrosive Coating	250
Reflective Wall Coating	50
Reflective Roof Coating	100

1.11. NOT USED

1.12. NOT USED

1.13. NOT USED

1.14. NOT USED

1.15. PERSONNEL REQUIREMENTS AND QUALIFICATIONS

1.15.1. Personnel Requirements

In addition to the superintendent, CQC staff and safety staff required by this section, Section 01 45 04.10 06 and 01 35 26.00 06, the contractor shall provide a full time Construction Project Manager for the entire life of this contract construction phase. The Construction Project Manager shall have a degree in Construction Management or Engineering and shall have 5 years of relative experience in construction management.

1.15.2. Site Safety and Health Officer (SSHO)

The SSHO shall be assigned as SSHO but may have duties as the CQC System Manager and the Superintendent.

The SSHO and alternate(s) shall have an experience Level as follows and the Contractor must show evidence that the SSHO and alternate(s) have met these requirements. When an alternate is required for the project, the alternate shall have the same experience level and other qualifications as the SSHO. In addition, the SSHO and alternate(s) are also required to have:

- a) First Aid and CPR Training/AED (must be current)
- b) Five (5) years of Construction Industry safety experience on similar projects in supervising or managing general construction (managing safety programs or processes or conducting hazard analyses and developing controls).
- c) Sixteen (16) hours of EM 385-1-1 training in the past 3 years.
- d) Experience which demonstrates training in personal protective equipment and clothing to include selection, use and maintenance; hazard communication; fall protection; and health hazard

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recognition.

The Contractor shall identify the SSHO and alternate(s) for this project and shall submit qualifications to the Government in resume form for acceptance. A copy of the letter to the SSHO and alternate(s) signed by an authorized official of the firm describing responsibilities and delegating authority to stop work when safety or occupational health of workers is compromised must be provided to the Government.

1.15.3. The Accident Prevention Plan (APP) shall be prepared IAW EM385-1-1, abbreviated APP version located on page A-10 in Appendix A of the EM 385-1-1.

1.16. CQC SYSTEM MANAGER

The appropriate CQC personnel shall be present at the construction site as needed during work related to their areas of responsibility. In addition to the requirements of Section 01 45 04.10 06, Volume 1, CQC personnel resumes and site visit frequency shall be identified in the Design Quality Control Plan (DQCP) and accepted by the government.

The CQC System Manager shall be assigned as CQC System Manager, and may have duties as superintendent, SSHO, and can perform other quality control duties if qualified.

1.17. NOT USED

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.1. GENERAL CONSTRUCTION REQUIREMENTS

The requirements include:

- a) Construction considerations and use of the premises.
- b) Protection of personnel and Government property.
- c) Construction facilities and job site standards.
- d) The requirements of this section apply to the entire project including all amendments or modifications that may be issued to modify the contract documents.

3.2 GENERAL INFORMATION

3.2.1 Contractor shall have shared use of all spaces for execution of the construction work as defined in the requirements of this RFP; all areas are currently occupied. Entrance into and interface with the surrounding facilities shall be coordinated in advance with the Contracting Officer. The project site is within the fenced boundaries of a

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United States Department of Defense Military Installation. Access will require advance notice and security passes at all times. The contractor is responsible for obtaining all security passes.

3.2.2 The superintendent in charge of this work shall personally contact the Contracting Officer's Representative a minimum of 72 hours before starting work on the contract, before restarting work after a lengthy delay, and prior to moving workers and equipment from one site of work to another.

3.2.3 Coordinate all construction activities with:

- a) Contracting Officer's Representative
- b) Base Fire Department
- c) Base Security/Police
- d) Base Civil Engineer
- e) Building Occupants

3.2.4 Prior to the start of any construction operations, a schedule of work or operations in proper sequence shall be submitted by the contractor for approval by the Contracting Officer's Representative so as to cause a minimum amount of disruption to the normal flow of traffic on streets, pedestrian travel, installation security, and facility operations. Coordinate all Construction and Use of Premises Activities with the Contracting Officer's Representative. Coordinate with Contracting Officer's Representative the scheduling and routing of work, personnel access, and material deliveries for the work.

3.2.5 The Contractor shall coordinate with Installation security regulations and personnel regarding worker and vehicle identification, badging, and permits.

3.2.6 High-ranking officers, foreign dignitaries, or DOD employees may approach you. Only the Contracting Officer can make changes to the contract.

3.2.7 For Bulletin Board. See 01 50 00, Bulletin Board. For Project and Safety Signs. See 01 50 00, Project Identification Signs.

3.3. DOCUMENTATION

3.3.1. Construction Plan

Prior to the start of any onsite construction activities, the Contractor shall submit a detailed construction plan. The plan shall include a detailed schedule of the major construction activities. Prior to the start of work, submit a site plan showing the locations and dimensions of temporary facilities (including layouts and details, equipment, and material storage area (onsite and offsite), and access and haul routes, avenues of ingress/egress to the fenced area and details of the fence installation. Identify any areas which may have to be graveled to prevent the tracking of mud. Indicate if the use of a supplemental or other staging area is desired. Show locations of safety and construction fences, site trailers, construction entrances, trash dumpsters, temporary sanitary facilities, and worker parking areas.

Once the schedule is approved, do not deviate from the sequence, without

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prior written approval.

3.3.2. Waste Disposal

Prior to the start of any onsite construction activities, the Contractor shall submit a written plan for disposing of waste materials resulting from work under this contract as described in this specification section and Section 01 57 19 TEMPORARY ENVIRONMENTAL CONTROLS AND PERMITS, Volume 1.

3.4. CONSTRUCTION CONSIDERATIONS

3.4.1. Use of Premises

The Contractor's use of the site, utility availability, and temporary facilities are described below.

3.4.1.1. Work Schedule

The Contractor shall schedule the work between the hours of 7:00 a.m. and 4:30 p.m. Monday through Friday except Holidays.

Permission to perform any work outside of these hours must be in writing and submitted five (5) calendar days in advance for approval by the Contracting Officer. The Government may or may not grant such permission at its discretion.

Work may be required to be performed on weekends if it is determined by the Contracting Officer that work will be disruptive to any installation operations. The Government will occupy areas adjacent to the work site during construction. Contractor shall schedule and perform the work so as not to interfere with the Government's operations. The Contractor shall cooperate fully with the Government during construction operations to minimize conflicts and to facilitate Government usage.

3.4.1.2. Utilities and Facilities

Contractor Personal Vehicle Parking: The contractor may use a limited number of parking spaces in the existing lots for the contractor's employee parking of personal vehicles. The Contractor shall coordinate with the Government on the exact number of available spaces, and shall make provisions to transport employees to the site should inadequate parking spaces be available on site. Parking in these areas is available on a first-come first served basis.

The Contractor will not be permitted to use existing toilet and wash facilities. The contractor shall provide his own toilet and wash facilities if desired.

Water, gas, and electricity will be furnished to the Contractor by the Government from the Government's existing system outlets. Utilities will be furnished at no cost to the Contractor, except for telephone. The contractor is responsible for all coordination and the payment of all temporary telephone costs (setup and monthly charges).

3.4.1.3. Utility Outages

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Once an outage is approved, and prior to beginning of work on the utility system requiring shutdown, the contractor shall attend a pre-outage meeting with the Contracting officer.

3.4.1.3.1. Any utility outages (gas, steam, electricity, and water) requested by the Contractor shall be submitted in writing no less than fourteen (14) calendar days prior to proposed outage.

3.4.1.3.2. The Government reserves the right to reschedule the Contractor's proposed outage if deemed necessary.

3.4.1.3.3. In the event utility outages cannot be performed on any facility due to critical operation impact, the utility outages and any related work shall be performed on non-duty hours.

3.4.1.3.4. Contractor shall notify the installation Fire Department prior to emergency utilities shutdown of the facilities.

3.4.2. Project Site

Contractor shall maintain a neat and orderly workplace with clear paths of emergency egress within the construction area.

3.4.2.1. Protection and Maintenance of Traffic

Prior to commencement of demolition and construction, the Contractor shall coordinate daily access and egress from the area of construction with the Contracting Officer, both vehicle and pedestrian. The Contractor shall confine construction personnel and equipment travel and operations to the area of work. The Contractor shall request approval for the limits of construction from the Government and show on the construction plans. The contractor shall coordinate access ways for personnel and equipment with the contracting officer.

3.4.2.1.1. The Contractor shall maintain and protect traffic on all affected roads during the construction period except as otherwise specifically directed by the Contracting Officer. The Contractor shall prepare a traffic plan (vehicle and pedestrian) for the project area and submit it to the Contracting Officer for review and approval.

3.4.2.1.2. The Contractor shall maintain and protect pedestrian traffic inside and outside of project area. The Contractor shall not cause traffic interference on any interior corridors without approval from the Contracting Officer.

3.4.2.1.3. The traveling public shall be protected from damage to person and property.

3.4.2.2. Dust control

For interior work, the Contractor shall construct a dust partition wall around the interior perimeter of the space as necessary to prevent dust from traveling into the corridor space. For exterior work the contractor shall control all fugitive dust.

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3.4.3. Storage of Materials

The Contractor shall be responsible for the storage and safekeeping of all material to be incorporated into the work. The Contractor shall be responsible for all aspects of safety and security within the storage area.

Outside space is extremely limited on the installation for the storage of materials, the Contractor shall limit storage of materials to areas within project area. The Contractor shall indicate if the use of a supplemental or other staging area is desired.

3.4.3.1. Upon the Contractor's request, the Contracting Officer will consider another or supplemental area for the Contractor's use and storage of equipment, trailers, and materials; however, this will be solely at the discretion of the garrison and may not be approved. This area may not be in close proximity of the construction site but will be within the installation boundaries.

3.4.3.2. Fencing of materials or equipment will be required at storage locations; plastic strip inserts, colored installation selected color, must be used on the fence to screen the storage compound from the installation; fence posts must be embedded into grade as recommended by the manufacturer. The Contractor shall be responsible for cleanliness and orderliness of the area used and shall restore the area to its original condition upon completion of the project.

3.4.3.3. The Government will not provide utilities to the storage area.

Provide adequate storage facilitates for protection of materials and equipment. Materials and equipment shall be stored so as to ensure preservation of their quality of fitness for work. Perishable items and items adversely affected by weather, rain, wind, dust, heat, or cold shall be stored within the designated area of construction, temporary waterproof sheds, or mobile facilities with raised floors, and heated if necessary. Other materials and equipment shall be stored on wooden platforms and not on the ground.

Storage facilities shall be clean, in good condition, undamaged and free of rust or surface deterioration. Rental trailers shall be of a neutral color. Unsightly material storage or office trailers will not be permitted.

The Contractor shall be responsible to maintain the condition of storage facilities, as defined above, and the entire construction site in a neat, orderly, professional and uncluttered manner at all times throughout the length of the contract.

3.4.4. Security

Security requirements shall be observed at all times. The Contractor shall be responsible for maintaining satisfactory standards of employee competency, conduct, appearance, and integrity. Personnel working on or involved with security alarms, secure areas or security infrastructure shall be US Citizens.

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Construction operations shall be strictly confined to the designated area of Work.

The Contractor shall be responsible for the security of his own equipment.

3.4.5. Protection of Personnel and Government Property

Contractor shall comply with all applicable Federal, State, and Local safety codes, regulations, and requirements.

The Installation Safety Officer or his representative will attend preconstruction conferences to brief contractors on pertinent safety regulations and to provide guidance for safe operations during contract performance. Local safety guidance will be furnished to the Contractor for briefing his personnel.

The Contractor shall provide, no later than ten calendar days after receiving Notice of Award, four (4) copies of their written safety program to the Contracting Officer for review. No construction shall commence until the Contractor's Safety Program has been reviewed and accepted by the Contracting Officer.

It is the Contractor's responsibility to maintain a secure construction site to prevent access to the work area by unauthorized personnel.

Safety posters, "hard hat area" posters, "authorized personnel only" posters, and any other notifications required by law shall be posted and maintained in sufficient quantity to be conspicuous on the job site.

The contractor shall protect all government property in adjacent areas from damages during the construction project; especially furniture and finishes. In the event of damages of any nature caused by this work due to improper protection, precaution, or safety measures, such damages shall be repaired by the Contractor at no cost to the Government. In the event the Contractor does not satisfactorily repair or replace such damage caused by the work of this contract, the Government will make the necessary corrections and the Contractor shall reimburse the Government for inconveniences, labor, and materials, involved.

The Contractor shall erect and maintain temporary barricades to limit public access to hazardous areas. Such barricades shall be required whenever safe public access is prevented by construction activities or as otherwise necessary to ensure safety of both pedestrian and vehicular traffic. Barricades shall be securely placed, clearly visible with adequate illumination to provide sufficient visual warning of the hazard during both day and night.

3.4.6. Site Fire Protection

Site fire protection shall conform to NFPA 241 and EM 385-1-1.

Fire extinguisher equipment shall be provided in storage areas according to the hazard present.

Fire extinguishers listed or approved by a nationally recognized testing laboratory shall be used.

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Provide temporary fire protection equipment for the protection of personnel and property during construction. Remove debris and flammable materials daily to minimize potential hazards.

3.4.7. Waste Disposal

The Contractor is required to maintain a clean project site free of accumulating debris. Demolition debris and other construction waste shall be promptly disposed of at the end of each work day in proper waste containers maintained on the project site by the Contractor. Waste Disposal procedures shall be in compliance with the waste disposal plan submitted under the requirements of SECTION 01 74 19 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL, Volume 1.

Environmentally hazardous or other construction debris with special disposal requirements shall be stored on the site and disposed of offsite in a proper lawful manner.

All debris shall be removed from the site on a regular basis. Waste shall not be allowed to accumulate.

Construction waste and debris maintained on-site prior to off-site disposal shall be controlled in a manner to eliminate any potential health or safety hazards.

Burning of waste or any other material on-site is strictly prohibited.

The project job site shall be ["broom cleaned"] at the end of each workday. The Contractor shall remove debris from the job site as it is generated and dispose of it in proper containers as outlined herein.

The Contractor shall coordinate dumpster location with the contracting officer.

3.5. CONTRACTOR DAMAGED FINISHES

Damage to any existing finishes or equipment, such as floors, ceilings, HVAC equipment, doors, paint, by the contractor shall be repaired or replaced by the contractor at the contractor expense to the satisfaction of the government.

3.6. DEMOLITION

3.6.1. General

The Contractor shall remove and dispose of all demolition debris from the property in a legal and regulated manner at the Contractor's expense with the exception of recyclable materials, which shall be handled in accordance with this specification and 01 74 19 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL, Volume 1.

3.6.2. Contractor Submittals

Prior to commencing demolition, the Contractor shall submit a [Demolition Plan](#) to the Contracting Officer's Representative for review and acceptance. The plan shall demonstrate the procedure for demolition, dust control, debris removal and safety that are to be followed during the

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work.

The Contractor shall submit a Schedule of Demolition Activities, indicating the following:

- a. Detailed sequence of demolition work, with starting and ending dates for each activity.
- b. Detailed schedule for interruption of utility services.
- c. Coordination of shutoff, capping and continuation of utility services.
- d. Location of temporary protection and means of egress.

3.6.3. Execution

The Contractor shall maintain all existing utility services and protect them against damage.

The Contractor shall not interrupt existing utilities serving adjacent facilities unless authorized in writing by the Contracting Officer.

The Contractor shall provide temporary barricades and other protection required to prevent injury to lay people.

The Contractor shall not remove any conduit feeding other areas not part of the project areas without coordination with the base CE. Do not demolish any conduit or cabling to HVAC system which originates outside the project area unless the equipment is to be replaced. All removed communications conduit must be removed and not abandoned in place.

3.7. NOT USED

PART 4 NOT USED

PART 5 NOT USED

PART 6 NOT USED

PART 7 NOT USED

PART 8 NOT USED

PART 9 NOT USED

PART 10 NOT USED

PART 11 NOT USED

PART 12 ELECTRICAL

12.1. Install electrical conduit, cabling, junction boxes and related components to provide power to workstations, offices, conference rooms and printer locations at the OBL.

12.2. Implement the following design in conformance with the latest editions of the NEC, National Fire Protection (NFPA) 70, National Life Safety Code (NFPA 101), Unified Facilities Criteria (UFC) and Wright-Patterson Installation Facility Standards (IFS).

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12.3. Contractor shall provide a Certified Electrician to perform electrical work such as connect, disconnect, add, demolish, or modify electrical systems. An Outage Coordination Plan is required at least 17 calendar days before an outage is required.

12.4. Contractor shall perform circuit load testing to identify spare capacity on existing circuits.

12.5. Where additional electrical capacity is needed due to panels being at/near capacity, the contractor shall provide and install new sub-panels for required electrical circuits. This option shall cover the purchase and installation of one sub-panel, and the option may be exercised up to ten (10) times for this project.

12.6. Coordinate electrical requirements for new or renovated work with the mechanical and plumbing contractors. Verify voltage, phase, and accessory requirements, such as future wiring requirements.

12.7. All conduit shall be a minimum of ¾-inch. Conduit connections must be made with compression couplings. Conductors for branch circuitry are #12 AWG minimum.

12.8. Conduit shall be concealed in walls or above ceilings wherever possible.

12.9. Coordinate locations of lighting fixtures in offices, and mechanical/electrical/telecommunications rooms with equipment, furniture, and other components.

12.10. No more than three (3) phase conductors shall be installed in any one circuit.

12.11. No more than eight (8) duplex receptacles shall be installed in any single-phase circuit.

12.12. A single circuit must not serve more than four (4) workstations under any circumstance.

12.13. For TRs, install a 208V (208~240V), 30 amp dedicated electrical L6-30 locking receptacle in the wall within three (3) feet of the rack and a 120V 20 amp dedicated electrical duplex receptacle in the wall within three (3) feet of the cabinet.

12.14. Add one 200-amp, 42 pole breaker electrical panel for each Electrical Room (3 rooms per floor). One ER on the 3rd floor may not have adequate space and that panel will need to be added to the adjacent Comm Room.

12.15. Each branch circuit shall contain their own neutral conductor. There shall be no shared neutrals.

12.16. Routing of circuitry installed in casework, cabinets, etc. shall be coordinated for proper concealment and function of casework, cabinet, furniture power poles, etc.

12.17. Contractor shall validate the actual site conditions as well as any specific programming needs of the customer/user. Any deviation that results

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in the possible increase in the awarded contract amount must be documented in writing or electronically, submitted to the Contracting Officer, and approved before any work is initiated on that change.

12.18. Final electrical drawings and a Bill of Materials will be provided at the end of the project.

PART 13 TELECOMMUNICATIONS

13.1. Install racks and single/multimode backbone fiber to each Telecommunications Room (TR) and category 6 copper and multimode fiber network drops to workstations, offices, printer locations and conference rooms at the Off Base Lease (OBL) site.

13.2. Transport nine (9) racks, eighteen (18) vertical wire management channels, and one (1) half-height cabinet (Government Furnished Equipment [GFE]) from 5237 Cooper St, Building 30258, Door 3, Wright Patterson AFB, 88th CS warehouse and deliver, assemble, and install at the OBL site. A signature will be required to transfer the GFE from the warehouse to the contractor.

13.3. Implement the following design in conformance with the latest editions of TIA-568, TIA-569, TIA-606, TIA 607, UFC 3-580-01, American National Standards Institute/Telecommunications Industry Association/Electronics Industries Alliance (ANSI/TIA/EIA), National Fire Protection Association (NFPA), National Electric Code (NEC) codes and standards and the AF Installation Facilities Standards (IFS). The contract shall follow any exceptions/guidance in the WPAFB Installation Facility Standard (IFS) and any ETLs and AFIs.

13.4. Install a ground bar in each Telecommunications Room (TR), and properly ground the rack and cable tray system in accordance with TIA-607 standards. All ground connections to the Telecommunications Grounding Bar (TGB) will use non-reversible compression type two-hole lugs.

13.5. Install wire basket cable tray around the perimeter of each TR as shown in TR drawing (Appendix A, Drawing 3).

13.6. Assemble a 7-foot rack and two (2) vertical wire management channels, and install one rack assembly in each TR. The Contractor shall coordinate the exact placement with the USACE COR. See Appendix A, Drawings 4-7.

13.7. Install a half-height cabinet in server room of SIPRnet Café/WIMIS area, as shown. The Contractor shall coordinate the exact placement with the USACE COR. See Appendix A, Drawing 10.

13.8. Install four fiber optic distribution panels (FODP) in the cabinet in TR 158 (TR1 RM 158) as shown on Appendix A, Drawing 8.

13.9. Install a 4-panel FODP in each of the TRs as shown on rack layout drawing. Appendix A, Drawing 9.

13.10. Install a 6-panel FODP in the half height cabinet (SC) in server room. See Appendix A, Drawing 10.

13.11. Install a wall mounted FODP in front lobby entrance, location FD1

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on 2nd floor drawing. Appendix A, Drawing 6.

13.12. Within 20 days of starting fiber backbone installation, submit the proposed fiber path to each TR to the Government for review and approval.

13.13. Install 12 strands of OS1 single mode and 12 strands of OM4 50-micron multimode backbone cable between the main Communications Entrance Room (CER) - TR 158 (TR1, Room 158) to each of the other TRs, including the half-height cabinet SC in TR 176 (TR1.4 RM 176) in WSMIS server room. Label both ends as "HF-158-TRroom#-SM" and "HF-158- TRroom#-MM."

13.14. Install 12 strands of OM4 from TR 160 (TR1.3) to FD1.

13.15. Fiber should be labeled at both ends as "HF-TRfrom - TRto SM" or "HF-TRfrom - TRto MM ex HF-TR158 - TR160 SM" or "HF-TR160 - TR253MM."

13.16. Terminate all fiber with LC connectors.

13.17. Install 48 port patch panels in each rack as needed. See Appendix A, Drawing 9.

13.18. Label each patch panel as A, B, C, etc., from top to bottom as indicated. Appendix A, Drawing 9.

13.19. Install horizontal wire management under each patch panel. Appendix A, Drawing 9.

13.20. Install a copper network drop inside each TR next to the door for a wall mounted VOIP phone.

13.21. Excluding the WSMIS SIPRNet Café, install a single network copper category 6 drop at each workstation location from the closest TR. Appendix A, Drawings 4-7.

13.22. Excluding the WSMIS SIPRNet Café, install two (2) network copper category 6 drops at each printer location, PO and Boss Box office from the closest TR. Appendix A, Drawings 4-7.

13.23. Excluding the WSMIS SIPRNet Café, install three (3) copper category 6 network drops in each EO office from the closest TR. Drops locations will be indicated by the customer before work begins with a note on walls. Appendix A, Drawings 4-7.

13.24. Excluding the WSMIS SIPRNet Café, install four (4) network copper category 6 drops, in each conference room. Drops locations will be indicated by the customer before work begins with a note on walls. Appendix A, Drawings 4-7.

13.25. Install additional network copper category 6 drops in locations indicated on drawing. Appendix A, Drawings 4-7, 11

13.26. Label each NIPRNet copper drop location as "TRroom#-Rack#-patch panel port#" (ex. TR160-A1-A1 through TR160-A1-A48, TR160-A1-B1, etc.)

13.27. Install snake cable tray around walls of Café RM 175 and 176 as shown. Appendix A, Drawing 11.

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13.28. Install NIPRnet copper network drops from TR160 (TR1.3) to Rooms 175 and 176 in locations indicated. Drop in Server/printer Room 176 should be for a wall mounted VOIP phone. NIPRNet drops can be above ceiling. Appendix A. Drawing 11.

13.29. Install a below-ceiling, through-wall conduit for fiber drops as shown. Appendix A, Drawing 11.

13.30. Install fiber drops from half height cabinet SC Room 176 to designated locations in Room 175. Install above furniture using Panduit from cable tray to wall mounted junction box. Terminate all fiber drops in red LC connectors.

13.31. Label each fiber drop as "TR176-A1-C1 - C12" and "TR176-A1-D1-D12."

13.32. The Contractor shall submit the proposed network drop path(s) to the USACE COR for approval. The use of J-hooks is acceptable.

13.33. At end of the project, contractor shall provide electronic AutoCAD files and three (3) paper copies annotating the location of each fiber run showing path to each TR from TR1 Room 158 to the Government.

13.34. Supply (23) 3-meter, (26) 2-meter and (23) 1-meter OM4 50-micron LC-LC duplex fiber jumpers.

13.35. Supply (26) 2-meter OS1 single mode LC-LC duplex fiber jumpers.

13.36. For each workstation and private office, the contractor shall provide a 5-foot-long CAT 6 cable to allow for user to set up their IT equipment.

PART 14 NOT USED

--End of Section--

*****AMENDMENT 0001