Department of the Army

US ARMY Installation Management Command

Headquarters United States Army Garrison

Fort Bliss, Texas 79916

Statement of Work Paving IDIQ

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1. GENERAL INFORMATION.

1.1. Place of Performance. The work to be performed under this contract shall be performed in Texas and New Mexico, hereafter referred to as the Fort Bliss Installation (including all Training Ranges).

1.2. Objectives. This is a construction contract to provide non-personal services for repairs, construction, and maintenance for road and related infrastructure throughout the Fort Bliss Installation. Contractor shall furnish construction and related services to the Government in a professional and collaborative environment to sustain mission requirements. Construction services and finished products shall be delivered on schedule, safely, and compliant with regulatory codes and standards.

1.3. Description of Work. Successful implementation of this contract requires the Contractor to deliver and execute the following services, as associated with paving construction:

1.3.1. Administration, documentation & delivery of requisite deliverables commissioning, systems operation and verification construction, permanent & temporary consultation, evaluation, assessment, coordination, project & construction management services, deconstruction, demolition, disposal emergency services maintenance, inspection, surveying, testing protection of existing features, quality control, safety management, training, record, as-built drawings creation and computer drafting, traffic control, warranty, and support and services.

1.3.2. The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and non-personal services necessary to perform work on paving infrastructure as per this contract and incidental tasks related to successful implementation. The Government shall not exercise any supervision or control over the Subcontractors performing the construction herein. Such construction Subcontractors shall be accountable solely to the Contractor who, in turn is responsible to the Government.

1.3.3. The Contractor shall provide all equipment and tools necessary to complete the scope of work as described in this document. The Contractor shall provide maximum protection, take every reasonable means, and exercise care to prevent unnecessary damage to existing historic structures, contemporary structures, equipment, landscape plantings, natural features, roads, utilities, and other public or private facilities.

1.3.4. The Contractor shall, without additional expense to the Government, be responsible for obtaining any necessary licenses and permits, and for complying with any Federal, State, and municipal laws, codes, and regulations applicable to the performance of the work.

1.3.5. The Contractor shall comply with applicable laws and regulations, including Federal Law, New Mexico and Texas State Laws, Occupational Safety and Health Administration (OSHA) Laws and regulations, Part 6 of this Statement of Work (SOW) and precipitating codes.

1.4. Period of Performance. The contract duration comprises a base year and four one-year options for a total of 60 months.

1.5. Occupancy. Work for this contract shall be accomplished for facilities and infrastructure including single and multi-story assembly, business, educational, industrial, high hazard, institutional, residential, storage, utility type facilities, maintenance facilities, access control points, roads, parks, ranges, and airfield. The facilities being worked in on any executed TOs under this contract may be occupied throughout the course of the work. Adequate protection of people and property shall be provided at all times. The work shall proceed in such a manner as to prevent undue spread of dust and flying particles to personal property or

equipment within the buildings. The Contractor is responsible for any damage, spreading of dust, and flying particles to personal property or equipment within the buildings. The Contractor shall correct, repair, or replace the damaged property or equipment to the satisfaction of the KO at no additional expense to the Government. Nothing in this paragraph shall be construed to relieve the Contractor, its subcontractors at any tier, or their employees from liability for personal injury they cause.

1.6. Attachments. The following attachments are incorporated into this Contract. However, the Contractor is responsible for complying with the most current versions of all applicable Army Regulations, Department of Defense (DoD) directives, and local installation policies. These attachments are subject to modification by the Government at any time to ensure continued alignment with the Army's mission and updated regulatory requirements. In the event an attachment or form is updated by a higher authority, the most recent version shall supersede those currently on file and will be implemented via contract modification or administrative notice as determined by the Contracting Officer (KO).

a. The Army Radiation Permit (ARP) requirements.pdf
b. As-built Requirements.pdf
c. Construction and Demolition Sample Report
d. Contractor Requirements Document.pdf
e. DD FORM 1354.pdf
f. DPW-RFI Template Blank Form V.1.2
g. DPW SUBMITTAL FORM V.1
h. Fire Prevention Construction Guide.pdf
i. iWATCH Training for Contractors.pdf
j. SF 1413 Statement and Acknowledgement for Subcontractors.pdf
k. Site Clearance and Line Markings Permit.pdf
l. NMDOT Spec.pdf
m. TxDOT Spec.pdf
n. Unified Facilities Guide Specifications (UFGS) Package
   - UFGS 02 41 00 Demolition.pdf
   - UFGS 03 30 00 Cast-in-Place Concrete.pdf
   - UFGS 03 45 33 Precast Structural Concrete.pdf
   - UFGS 05 52 00 Metal Railings.pdf
   - UFGS 10 14 53 Traffic Signage.pdf
   - UFGS 26 00 00 Electrical.pdf
   - UFGS 31 00 00 Earthwork.pdf
   - UFGS 31 11 00 Clearing and Grubbing.pdf
   - UFGS 32 01 11.51 Rubber and Paint Removal -Airfield.pdf
   - UFGS 32 01 13.62 Asphalt Surface Treatment.pdf
   - UFGS 32 01 16.71 Cold Milling Asphalt Paving.pdf
   - UFGS 32 01 16.75 Heater Scarifying of Asphalt Paving.pdf
   - UFGS 32 01 17.61 Sealing Cracks in Asphalt Paving.pdf
   - UFGS 32 01 19.61 Sealing Cracks in Asphalt Paving.pdf
   - UFGS 32 11 20 Base Course.pdf
   - UFGS 32 11 33.13 Cement Stabilized Soil.pdf
   - UFGS 32 12 13 Bituminous Tack and Prime Coats.pdf
   - UFGS 32 12 15.13 Asphalt Paving for Airfields.pdf
   - UFGS 32 12 16 Hot-Mix Asphalt HMA for Roads.pdf
   - UFGS 32 13 13.06 Portland Cement Concrete Pavement for Roads.pdf
   - UFGS 32 16 19 Concrete Curbs Gutters and Sidewalks.pdf
   - UFGS 32 17 23 Pavement Markings.pdf
   - UFGS 32 31 13 Chain Link Fences and gates.pdf

- UFGS 32 84 23 Underground Sprinkler Systems.pdf
- UFGS 32 93 00 Exterior Improvements Plants.pdf
- R - UFGS 33 40 00 Storm Drainage Utilities.pdf
- R - UFGS 34 71 13.16 Vehicle Crash Barriers.pdf

1.7. Qualifications. The Contractor shall possess a minimum of five (5) years of continuous experience in comparable work, type, and complexity of construction categories shown in this document. The Contractor shall provide key personnel resumes to the KO for review as part of the bid package.

1.8. Inspection Requirements. The Contractor shall be responsible for performing or having performed all inspections and tests necessary to substantiate that the raw materials, components, intermediate assemblies, and end products furnished & installed under this contract conform to contract requirements, including any applicable technical requirements for specified manufacturers' parts.

1.8.1. Inspection, Dismantling, Demolition, or Removal of Improvements. Unless otherwise designated by the specifications, all workmanship performed under the contract is always subject to Government inspection and places where dismantling or demolition work is being performed. The Contractor shall furnish promptly, and at no increase in contract price, all reasonable facilities, labor, and materials necessary for safe and convenient inspection by the Government. The Government will perform inspections in a manner that will not unduly delay the work.

1.8.2. The Contractor is responsible for damage to property caused by defective workmanship. The Contractor shall segregate and remove from the premises any unsatisfactory facilities, materials, and equipment used in contract performance, and replace them with satisfactory items within seventy-two (72) hours of written notice. The Contractor and any surety shall be liable, to the extent specified in the contract for any damage or cost of repair or replacement.

1.8.3. The Contractor shall ensure communication lines and infrastructure are not damaged during any phase of construction. The Contractor shall comply with the most current versions of UFC 3-580-01 (Telecommunications Interior Infrastructure Planning and Design), UFC 3-550-01 (Exterior Electrical Power Control and Communication Systems), and all applicable Army Information Systems Engineering Command (USAISEC) standards. The Contractor is responsible for field-verifying the location of all utility and communication lines prior to the commencement of work.

1.9. Inspection of Construction. The Contractor shall maintain an adequate inspection system and perform such inspections as it will ensure that the work performed under the contract conforms to contract requirements. The Contractor shall maintain complete inspection records and make them available to the Government. All work shall be conducted under the general direction of the Contracting Officer (KO) and is subject to Government inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.

1.9.1. Government inspections and tests are for the sole benefit of the Government and do not relieve the Contractor of responsibility for providing adequate quality control measures; relieve the Contractor of responsibility for damage to or loss of the material before acceptance; constitute or imply acceptance; or affect the continuing rights of the Government after acceptance of the completed work.

1.9.2. The presence or absence of a Government inspector does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specification without the KO's written authorization.

1.9.3. The Contractor shall promptly furnish all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the KO. The Contractor is

responsible for all cost for additional testing when work is not ready at the time specified by the Contractor for inspection. The Government will perform all inspections of all tests. Special, full size, and performance tests shall be performed as described in the contract.

1.10. Reporting Fire and Safety Hazards. The Contractor shall provide OSHA training to its personnel to recognize fire and safety hazards and encourage personnel in the performance of their duties to report fire and safety hazards and unsafe conditions to their supervisor. The Contactor shall take corrective action to remedy reported deficiencies in accordance with (IAW) the terms of this contract. All OSHA training shall be submitted with the Safety Plan. The COR shall be notified of deficiencies beyond the terms of this contract.

1.10.1. Project Completion Acceptance. If the work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its Subcontractors, the Contractor shall defray the expenses of the examination and of satisfactory reconstruction. Unless otherwise specified in the contract, the COR will accept, as promptly as practicable after completion and inspection, all work required by the contract. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the Government's rights under any warranty or guarantee.

1.11. Hours of Operation. The Contractor shall perform all work during normal work hours. Normal work hours are defined as the time from 0700 to 1600 hours Mountain Standard Time (MST), Mondays through Fridays except on Federal holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. The Contractor will not be reimbursed when the Government facility is closed for the above reasons. The Contractor must always maintain an adequate workforce for the uninterrupted performance of all tasks defined within this SOW when the Government facility is not closed for the above reasons.

1.12. Federal Government Holidays. This list of holidays relates to Government duty days and is not intended to supplement or otherwise alter the provisions of any Wage Determination regarding applicable paid holidays. In the event that the Federal Government establishes a new holiday or modifies the existing schedule during the period of performance, the Contractor shall comply with the updated Government holiday schedule

New Year's Day	1st day of January
Martin Luther King Jr.'s Birthday	3rd Monday of January
Presidents' Day	3rd Monday of February
Memorial Day	Last Monday of May
Juneteenth	19th day of June
Independence Day	4th day of July
Labor Day	1st Monday of September
Columbus Day	2nd Monday of October
Veterans Day	11th day of November
Thanksgiving Day	4th Thursday of November
Christmas Day	25th day of December

1.12.1. When one of the above designated legal holidays falls on a Sunday, the following Monday will be observed as a legal holiday. When a legal holiday falls on a Saturday, the proceeding Friday is observed as a legal holiday. This list of holidays relates to Government duty days and is not intended to supplement or otherwise alter the provisions of any Wage Determination regarding applicable paid holidays.

1.12.2. It is understood and agreed between the Government and the Contractor that observance of such days by Government personnel shall not be a reason for an additional period of performance, or entitlement of compensation, except as set forth within the contract. In the event the Contractor's personnel work during

the holiday, the Contractor may reimburse them; however, no form of holiday or other premium compensation will be reimbursed either as a direct or indirect cost, other than their normal compensation for the time worked, unless stipulated otherwise. This provision does not prevent reimbursement for authorized overtime work if applicable.

1.12.3. When the Government grants excused absences to its employees, the Contractor agrees to continue to provide sufficient personnel to perform critical tasks already in operation or scheduled and shall be guided by the instructions issued by the KO or the Contracting Officer Representative (COR).

1.12.4. If Government personnel are furloughed, the Contractor shall contact the KO to receive directions. It is the Government's decision as to whether the contract price/cost will be affected because of Government shutdown and/or furloughed Government employees. If Government shutdown and/or furloughed Government employee does impact contract price/cost, a negotiated settlement will be reached as deemed appropriate by the KO.

1.13. Approval of Work outside Normal Work Hours. Coordination of work other than normal work hours of the military reservation requires Contractor receipt of prior written approval from KO and will be based upon the requirements of the task, technical or safety factors and not for the convenience of the Contractor. This is not intended to restrict the Contractor to an 8-hour day if the segment of project requires continuous work until completed because of mission requirements, the technical nature thereof, in the interest of safety, or to prevent damage to the project or other property. The Contractor shall give prior notice of such requirements to the KO and COR. When weekend or holiday work is required, the Contractor shall make his request to perform work to the KO and COR not less than 48 hours in advance so that arrangements may be made to provide full-time inspection of the work. When the Government requires the Contractor to work outside normal hours, the Contractor will be notified at the onset of the project, but not less than 24 hours in advance.

1.14. Security Requirements. Contractor personnel and their employees who are assigned to work in a secure facility shall be escorted by the activity that owns the secure facility.

1.15. Physical Security. The Contractor shall be responsible for safeguarding all Government equipment, information and property provided for Contractor use IAW Army Regulation (AR) 190-13, The Army Physical Security Program. At the close of each work period, Government facilities, equipment and materials shall be secured by the Contractor.

1.16. Key Control. The Contractor shall establish and implement methods of making sure all keys/key cards issued to the Contractor by the Government are not lost or misplaced and are not used by unauthorized persons.

1.16.1. In the event keys, other than master keys, are lost or duplicated, the Contractor shall, upon direction of the KO, re-key or replace the affected lock or locks; however, the Government, at its option, may replace the affected lock or locks or perform re- keying. When the replacement of locks or re-keying is performed by the Government, the total cost of re-keying or the replacement of lock or locks shall be reimbursed by the Contractor. In the event a master key is lost or duplicated, all locks and keys for that system shall be replaced by the Contractor. Any Government property stolen or damaged in association with keys being duplicated, misplaced, or lost by the Contractor personnel, shall be replaced by Contractor. Contractor shall only give keys to their employees. Contractor shall only allow personnel in an area who are either a Contractor employee performing their duties or someone the KO has authorized to allow in.

1.16.2. Lock Combinations. The Contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The Contractor shall ensure lock combinations are changed when personnel having access to the combinations no longer have a need to know such

combinations. These procedures shall be included in the Contractor's Quality Control Plan.

1.16.3. Security of Classified Items, Systems and Information. The Contractor shall not have access to classified information; however, should classified documents fall into the possession of the Contractor, the Contractor shall immediately contact the COR for disposition instructions.

1.17. Safety. The Contractor shall provide a safe working environment for key consultants and all persons in his/her employ as prescribed by United States Army Corps of Engineers (USACE) Engineering Manual (EM) 385-1-1, "General Safety Requirements" and 29 Code of Federal Regulation (CFR) 1910 "Occupational Health and Safety" and all other applicable Department of Defense (DoD), Army, Federal, State, and Local safety and health requirements. The Contractor shall be responsible for all damages to persons and property that occur in connection with the work and service under this contract, without recourse against the Government.

1.17.1. Safety Plan Requirements. In addition to umbrella contract safety plan, Contractor shall submit a site-specific safety plan during pre-construction meeting. All Contractors and their employees working on the confines of the Fort Bliss Installation will be required to abide by the standards outlined in Part 6, Applicable Publications and Forms. Some of these standards, codes, regulations, and manuals are subject to change and it is the responsibility of the Contractor to be acquainted with all current issues and any changes thereto. The Contractor shall establish and maintain a safety plan of which a draft plan shall be submitted to the KO fourteen (14) days after award. Contractor's final Contract Safety Plan shall be submitted no later than (NTL) twenty (20) calendar days after contract award.

1.18. Accident Prevention Plan (APP). The Contractor shall provide and maintain work environments and procedures which will (1) safeguard the public and Government personnel, property, materials, supplies, and equipment exposed to Contractor operations and activities; (2) avoid interruptions of Government operations and delays in project completion dates; and (3) control costs in the performance of this contract. Provide a site-specific Accident Prevention Plan (APP) per task order (TO), including Activity Hazard Analyses (AHA), in accordance with EM 385-1-1 Appendix A, for the design team to follow during site visits and investigations. For subsequent visits, update the plan if there are changes in the personnel who will be attending, or the tasks to be performed. Submit the APP for review and acceptance by the KO fourteen (14) calendar days after award. Field work may not begin until the design APP is accepted by the Contracting Officer. If the design scope includes borings or other subsurface investigations, include in the APP the type of field investigation and verification techniques, such as visual, local utility locating service scanning and third party/Subcontractor scanning, potholing, or hand digging within two feet of a known utility that will be required. Mark underground utilities before starting any ground- disturbing actions. Notify the Contracting Officer 14 days prior to the start of soil borings or sub-surface investigations.

1.18.1. The Contractor shall prepare the written site-specific APP. The APP shall be prepared in accordance with the format and requirements of EM 385-1-1, Appendix A, as supplemented herein, covering all paragraph and subparagraph elements in EM 385-1-1, Appendix A. Cover all paragraph and subparagraph elements in EM 385-1-1. The APP must be job- specific and address any unusual or unique aspects of the project or activity for which it is written. The APP must interface with the Contractor's overall safety and health program referenced in the APP in the applicable APP element and made site-specific. Describe the methods to evaluate past safety performance of potential Subcontractors in the selection process. Also, describe innovative methods used to ensure and monitor safe work practices of Subcontractors. The Government considers the Prime Contractor to be the "controlling authority" for all work site safety and health of the Subcontractors. Contractors are responsible for informing their Subcontractors of the safety provisions under the terms of the Contract and the penalties for noncompliance, coordinating the work to prevent one craft from interfering with or creating hazardous working conditions for other crafts, and inspecting Subcontractor operations to ensure that accident prevention responsibilities are being carried

out. The APP must be signed by an officer of the firm (Prime Contractor senior person), the individual preparing the APP, the on-site superintendent, the designated Safety Health Officer (SSHO), the Contractor Quality Control Manager, and any designated Certified Safety Professional (CSP) or Certified Health Physicist (CIH). The SSHO must provide and maintain the APP and a log of signatures by each Subcontractor foreman, attesting that they have read and understand the APP, and make the APP and log available on-site to the Contracting Officer.

1.18.2. Once the APP is reviewed and accepted by the Contracting Officer, the APP and attachments will be enforced as part of the Contract. Disregarding the provisions of this Contract or the accepted APP is cause for stopping of work, at the discretion of the Contracting Officer, until the matter has been rectified. Continuously review and amend the APP, as necessary, throughout the life of the Contract. Changes to the accepted APP must be made with the knowledge and concurrence of the Contracting Officer, project superintendent, SSHO and Quality Control Manager. Incorporate unusual or high- hazard activities not identified in the original APP as they are discovered. Should any severe hazard exposure (i.e. imminent danger) become evident, stop work in the area, secure the area, and develop a plan to remove the exposure and control the hazard. Notify the Contracting Officer (COR) within 24 hours of discovery. Eliminate and remove the hazard. In the interim, take all necessary action to restore and maintain safe working conditions to safeguard onsite personnel, visitors, the public (as defined by ASSP A10.34), and the environment.

1.19. Activity Hazard Analysis (AHA). Before beginning each activity, task or Definable Feature of Work (DFOW) involving a type of work presenting hazards not experienced in previous project operations, or where a new work crew or Subcontractor is to perform the work, the Contractor(s) performing that work activity must prepare an AHA. AHAs must be developed by the Prime Contractor, Subcontractor, or supplier performing the work, and provided for Prime Contractor review and approval before submitting to the Contracting Officer. AHAs must be signed by the SSHO, Superintendent, QC Manager and the Subcontractor Foreman performing the work. Format the AHA in accordance with EM 385-1-1, Section 1 or as directed by the Contracting Officer. Submit the AHA to the KO and COR for review at least 14 working days after award date. The Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented. AHAs must identify competent persons required for phases involving high risk activities, including confined entry, crane and rigging, excavations, trenching, electrical work, fall protection, and scaffolding.

1.19.1. AHA Management. The Contractor shall conduct a supervisory safety meeting at least monthly to review safety performance and upcoming work activities. As part of this meeting, the Contractor shall review the AHA list to ensure procedures, scheduling, and hazard controls remain current. The AHA list shall be updated as necessary when work conditions or hazards change. The SSHO shall utilize the AHA during daily inspections to ensure the implementation and effectiveness of the required safety and health controls for each work activity.

1.19.2. AHA Signature Log. Each employee performing work as part of an activity, task, or Definable Feature of Work (DFOW) must review the AHA for that work and sign a signature log specifically maintained for that AHA prior to starting work on that activity. The Site Safety and Health Officer (SSHO) must maintain a signature log on-site for every AHA. The Contractor shall ensure these signature logs are made available to the Government for review immediately upon request.

1.19.3. For these purposes on contracts for construction or dismantling, demolition, or removal of improvements, the Contractor shall: provide appropriate safety barricades, signs, and signal lights; Comply with the standards issued by the Secretary of Labor at 29 Code of Federal Regulations (CFR) part 1926 and 29 CFR part 1910; and ensure that any additional measures the KO determines to be reasonably necessary for the purposes are taken.

1.19.4. If this contract is for construction or dismantling, demolition or removal of improvements with any Department of Defense agency or component, the Contractor shall comply with all pertinent provisions of the latest version of U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, in effect on the date of the solicitation.

1.19.5. The COR will report all deficiencies or recurring deficiencies that could indicate a trend by using the Mission and Installation Contracting Command (MICC) Corrective Action Request (CAR) Form. The Corrective Action Request will state the Contract Requirement, the specific contract reference, and the specific violation(s) to the requirement. The COR will submit the completed CAR to the Quality Assurance Specialist (QAS) for review. Upon verification, the QAS will forward the CAR to the Contract Specialist (KS) for processing, who will then provide it to the Contracting Officer (KO) for issuance. The KO will notify the Contractor and request corrective action to the specific non-conformance, identification of the root cause, and corrective action for the root cause with a required suspense date. The KO may require the Contractor to re-perform any services that do not meet contract requirements at no additional cost to the Government. The Contractor will return a copy of the completed and signed CAR along with their Corrective Action Plan (CAP) for review, approval, and inclusion in the CAR file. The KO and COR will not consider the CAR closed until all deficiencies have been corrected and all agreed-upon actions of CAP have been completed. Contractor's failure to follow through and complete corrective actions will be reported immediately to the KO for further action. The COR will follow up after the Contractor has completed the corrective action to ensure that the Contractor's corrective action was sufficient to preclude recurrence. The Contractor shall not be entitled to any equitable adjustment of the contract price or extension of the performance schedule on any stop work order issued.

1.20. Environment and OSHA. The Contractor shall comply with all local, State, and Federal environmental and occupational safety laws, rules, and regulations. Any apparent conflict between compliance with such local, State, and Federal environmental and occupational safety laws, rules, regulations, and compliance with the requirements of the contract shall be immediately brought to the attention of the KO or authorized representative for final resolution. The Contractor shall notify the KO or COR in writing in addition to any verbal notification of such conflict. The Contractor shall be liable for all fines, penalties, and costs which result from violations of, or failure to comply with, all such local State, or Federal laws, rules, and regulations. All unsafe acts or conditions fostered by the Contractor or Contractor personnel may be grounds for the KO to halt all Contractor performance with a commensurate deduction of monies due to the Contractor until such unsafe conditions are corrected. The Contractor shall take due caution not to endanger personnel during performance of this contract. Upon discovery of a serious hazard such as fire, or large fuel spill, the Contractor shall notify the KO and COR.

1.21. Reporting Mishaps. The Contractor shall adhere to reporting of mishaps IAW AR 385- 10, The Army Safety Program and Department of the Army (DA) Pam 385-40, Army Accident Investigations and Reporting. In addition, the Contractor shall report: (1) injury or occupational illness to on-duty Contractors; (2) Contractor accidents involving Army property and personnel.

1.22. Personnel Safety. The Contractor shall immediately correct all safety deficiencies upon notification of the deficiencies by the KO and COR, and shall notify the KO of the corrective action to be taken.

1.23. Personnel. For purposes of this contract the term "personnel" or "employee(s)" refers to any person performing work related to this contract, the Contractor's employees, agents, representatives, or Subcontractors. The Contractor shall staff this effort with trained, competent and capable employee(s) for the work they are assigned to. Contractor personnel shall present a clean, neat, and professional appearance. The Contractor shall ensure that employees meet all applicable federal, state, local, and installation certification, licensing, medical requirements, and qualifications to perform all assigned tasks and functions as defined in this contract prior to commencement of work. The Contractor shall not permit any personnel to work under this contract if such person is identified by a Government authorized

representative to the Contractor as a potential threat to the health, safety, security, general well-being, or operational mission of the Army and Fort Bliss Installation. All Contractor personnel shall comply with installation security, access procedures, and Contractor's Safety Plans

1.23.1. Work Authorization. Contractor personnel shall either be United States Citizens or authorized to work in the United States or possess a valid U.S. Immigration T-151 or I-94, Alien Registration Card.

1.23.2. Identification of Contractor Employees. The Contractor (to include Subcontractors) shall provide each employee an Identification (ID) Badge, which includes at a minimum, the Company Name, Employee Name and a color photo of the employee. ID Badges for Key Personnel shall also indicate their job title. ID Badges shall be always worn during which the employee is performing work under this contract. Each Contractor (to include Subcontractors) employees shall wear the ID Badge in a conspicuous place on the front of exterior clothing and above the waist except when safety or health reasons prohibit such wear. The Contractor (to include Subcontractors) shall be responsible for collection of ID Badges upon completion of the contract or termination of employee. A listing of issued identification cards shall be furnished to the KO prior to the contract performance date and updated as needed to reflect Contractor and Subcontractor personnel changes. All contract personnel attending meetings, answering Government telephones, and working in other situations where their Contractor status is not obvious to third parties are required to identify themselves as such to avoid creating an impression in the minds of members of the public that they are Government officials. They must also ensure that all documents or reports produced by Contractors are suitably marked as Contractor products or that Contractor participation is appropriately disclosed.

1.23.3. Conflict of Interest and Employment of Government Personnel. The Contractor shall not knowingly employ any person who is a U.S. Government employee if employing that person would create a conflict of interest. Additionally, subcontracted parties and service providers shall not knowingly employ any person who is an employee of the Government, either military or civilian, unless such person seeks and receives written approval according to DoD Directive 5500.07-R, Joint Ethics Regulations (JER) by the individual's commander or director. A copy of the authorization will be provided to the COR. In addition, the Contractor is prohibited from employing Government Quality Assurance Representatives (QAR) whom the Contractor knows or should have known are responsible for monitoring any contracts/subcontracts awarded to the service provider.

1.23.4. Conduct of Employees. Employees shall conduct themselves IAW installation policies concerning conduct and DoD Directive 5500.07-R, JER. The KO may require the Contractor to remove from the job site any employee working under this contract for reason of misconduct, security, found to be, or suspected to be under the influence of alcohol, drugs, or other incapacitating agents. Contractor employees shall be subject to dismissal from the premises if such action is necessary in the best interests of the Government. The removal from the job site or dismissal from the premises shall not relieve the Contractor of the requirement to provide sufficient personnel to perform the services as required by this SOW.

1.23.5. Drivers. Contractor personnel, whose tasks involve operation of any vehicles, shall possess a valid U.S. state driver's license, certificates and permits, applicable for the type and class of vehicle being operated.

1.23.6. Contractor Vehicles. All Contractor vehicles shall be readily identifiable. Identification shall include displaying Contractor's name in a clear and unobstructed location on the vehicle. Motor vehicles entering Fort Bliss Installation shall be properly licensed.

1.24. Gate Policy for Fort Bliss Installation. All Contractor personnel must get their passes at the Chaffee Commercial Pass Office. Fort Bliss Installation has started implementing a rapid pass gate entry security service. Under the rapid pass program, Contractor personnel are vetted through a series of national and

local record checks to determine whether they meet Fort Bliss Installation criteria for access. The determination of whether to authorize a pass (badge) is made by the Government. Participation in the rapid pass program is optional. The number of gates open to non-registered Contractor personnel will be limited to gates which can safely accommodate traffic backups. However, all gates will be open to rapid pass registered Contractor personnel. Contractors who choose not to participate in the rapid pass program will be required to obtain a daily pass. Installation access requirements and procedures may change during the term of the contract. The Contractor shall comply with all changes, and such compliance shall not be grounds for a request for an equitable adjustment or other contract modification.

1.25. Contractor Advertising. The Contractor shall not place or display advertising of any kind on Government property.

1.26. Supervision of Contractor Employees. The Government will not exercise any supervision or control over Contractor or Subcontractor employees while performing work under the contract. Such employees shall be accountable solely to the Contractor, not the Government. The Contractor, in turn, shall be accountable to the Government for Contractor or Subcontractor employees.

1.26.1. The Contractor shall provide the necessary personnel to accomplish all work within the time frames specified for each Task Order (TO). The Contractor's staff shall meet or exceed the position requirements as stated in the TO. The Contractor shall provide experienced and knowledgeable personnel in civil, structural, architectural, mechanical, and electrical engineering disciplines. The replacement and alternate staff shall meet or exceed the same minimum qualifications as stated in the TO. The Contractor's staff shall be able to understand, speak, read, and write the English language fluently.

1.27. Key Personnel. Key personnel include the Program Manager (PM), Superintendent, Site Safety Health Officer (SSHO) and Quality Control Manager (QCM). These positions are distinct and shall not be combined or filled by the same individual. The Contractor shall provide key personnel resumes to the KO for review and acceptance. The Contractor shall designate these individuals in writing and provide cell phone numbers to the KO prior to performance. The Government has the right to reject the Contractor's choice of key personnel for failure to meet the qualification standards incorporated into the contract. If key personnel is to be replaced, the Contractor shall notify the KO within 24 hours and the alternate Program Manager or QCM shall be identified. The alternates shall meet or exceed the same qualifications as the initial Program Manager and QCM.

1.28. Program Manager. The Contractor shall provide a Program Manager (PM) with full authority to contractually commit the Contractor for prompt action on matters pertaining to Contractor administration of the contract. The Contractor shall provide a PM with a minimum of five (5) years of experience supervising construction projects like those required by this contract. The PM shall have full authority to act for the Contractor on all contracting, construction, scheduling, resourcing, and/or personnel matters and issues brought to attention by the Government and provide answers or decisions within the limits of the Contract and TO specifications.

1.28.1. The Contractor shall provide a qualified on-site Project Manager (PM) responsible for the overall management, coordination, and performance of all work under the TO. The PM shall resolve construction problems in addition to coordinating with Subcontractors, construction personnel, and Government personnel. The PM shall have full authority to order supplies, to direct Contractor employees to enter or leave job sites, sign all TO submittal transmittal sheets, and to contractually commit the Contractor for prompt action. On a temporary basis only, another individual may be designated to act for the on-site PM. However, one (1) workday advanced written notice of such change shall be provided to the COR and KO other than illness or emergency.

1.28.2. The PM shall maintain a file at the job site and be available to KO and COR upon request. The file shall

include, but not be limited to, current project documents, executed TO, contract drawings, contract specifications, Quality Control Plan (QCP), as-built drawings, and modifications.

1.29. Superintendent. The Contractor shall provide a qualified on-site Superintendent and shall be designated in writing (listing name, address, and 24-hour telephone number) to the COR. The Superintendent shall have a minimum of five (5) years of experience supervising and managing Commercial or Federal construction projects similar in scope to those that will be required by this contract (i.e. – more than 5 projects simultaneously). The Superintendent shall be responsible for the overall performance, management, and coordination of the TO and shall be the central point of contact with the DPW for the performance of all work under each TO. Another individual may be designated to act for the Superintendent; however, advanced notice in writing of such change shall be provided to the COR within ten (10) workdays of the proposed change. The Superintendent or Alternate Superintendent shall be physically present at the on-site location while work is being performed, except on Federal Holidays.

1.29.1. The Government has the right to direct the Contractor to replace any individual functioning as Superintendent if the individual fails to perform IAW the requirements of contract. Any replacement Superintendent shall meet the criteria stated in the Contractor's proposal that was evaluated for award of the contract.

1.29.2. The Superintendent shall maintain a file at the job site and be available to the KO and COR upon request. The file shall include, but not be limited to, current project documents, executed TO, RTOP, contract drawings, contract specifications, Quality Control Plan (QCP), as-built drawings, and modifications.

The PM and designated Site Superintendent shall have the following:

a. The applicable skills and qualifications as specified in each TO.
b. A minimum of five (5) years of experience in building construction and PM experience with TO supervisory positions, e.g., PM or construction superintendent, five (5) years of which are experience as a PM for construction projects similar in scope to those that will be required by this contract.
c. The qualifications to direct work require extensive understanding of and intimate familiarity with the principles, methods, and techniques of architectural, civil, mechanical, and electrical engineering.
d. Sufficient technical capabilities to coordinate, acquire, and respond to the Government's requirements for technical design as it relates to the production of final record drawings.
e. The qualifications to negotiate and manage multiple projects at the same time.
f. The qualifications to recruit and manage qualified Subcontractors in all construction disciplines.
g. The qualifications to respond in a timely manner to all contractual agreements, instructions, and inquiries from authorized Government personnel.
h. Demonstrated success in Government TO construction requirements, completely familiar with Federal, State, and local laws, policies, procedures, and regulations pertaining to construction.
i. The qualifications to prepare project proposals and authorized to negotiate.

1.30. Site Safety and Health Officer (SSHO). The SSHO shall have a minimum of five (5) years of experience in managing and inspecting construction projects. Shall have the following current certifications and training: OSHA30, and First Aid and Cardiopulmonary resuscitation (CPR) certified.

1.31. Quality Control Manager (QCM). The Contractor shall provide a QCM to implement and enforce the Contractor Quality Control (CQC) Plan. The QCM is required at the TO level.

1.31.1. The QCM shall be responsible for the overall quality of work performed under this contract and shall

certify that all submittals are in compliance with the contract requirements. The QCM shall have the authority to act in all CQC matters for the Contractor. The QCM shall remain autonomous and not be influenced by other on-site staff members.

1.31.2. The QCM shall always be physically present on the job site throughout the construction period during the hours of 0700 – 1600, Monday through Friday, except on Federal Government holidays. This individual shall be a full-time, dedicated employee of the prime Contractor, and be directly accountable to the corporate level QCM only.

The QCM, at a minimum, shall have the following:

a. A minimum of five (5) years of experience in managing and inspecting construction projects.
b. Formal QC education or training in building construction inspection.
c. A minimum of five (5) years of experience in construction QC with Department of Defense (DOD) agency.
d. The minimum experience for the Contractor's QC Manager without an engineering degree is five (5) years of experience in the construction industry and five (5) years as a QCM.
e. A minimum of five (5) years of experience as a QCM or senior QC inspector in the building construction industry.
f. Experience with construction industry standards and codes.
g. The ability to establish and maintain an effective QC system.
h. The ability to perform daily QC inspections on all active construction projects and send a daily report to the COR on all active projects.
i. The ability to assist the PM in preparing critical path construction schedules.
j. Completed a total of thirty (30) hours in OSHA General Construction training courses. Proof of completed OSHA training shall be provided to the KO.
k. Environmental training and the capability of preparing State Erosion Prevention and Sediment Control, IAW Federal, State, and local codes, rules, and practices.

1.31.3. The QCM shall not have duties other than QC. If the QCM fails to be dedicated solely to QC functions identified herein, or be otherwise directed to perform outside these boundaries, this shall be construed as a contract violation.

1.32. On-Site Staff. The Contractor shall provide to the KO and COR an employee roster identifying the Contractor's on-site project staff prior to the TO performance. The roster shall include the individual's name and job title. The Contractor shall notify the KO and COR in writing if any member of the on-site staff is terminated. The Contractor shall, subject to concurrence of the KO, promptly replace personnel with equal ability and qualifications, within fourteen (14) calendar days. These individuals shall visit project sites daily and are responsible for all construction and related activities including quality and production.

1.33. Training, Physical Requirements, or Other Expertise Required. The Contractor shall ensure all employees are certified or licensed in the specific areas required for each TO. The Contractor shall ensure all required documentation of certification or licensure for Contractor personnel are filed with the COR within thirty (30) calendar days prior to employees commencing performance or as directed by the COR.

1.34. Attendees. Contractor attendees for meetings must include the Project Manager, Superintendent, Site Safety and Health Officer (SSHO), Quality Control Manager and major Subcontractors.

1.35. Preconstruction Meeting. Prior to the start of any construction work the KO will schedule and conduct a preconstruction meeting. The notification will include specific details regarding the date, time, and location of the meeting, any need for attendance by sub-Contractors, and information regarding the items

to be discussed. The purpose of this meeting is to discuss and develop a mutual understanding of the administrative requirements of the Contract including but not limited to daily reporting, invoicing, safety, base-access, outage requests, hot work permits, schedule requirements, quality control, shop drawings, submittals, prosecution of the work, government acceptance, final inspections and contract close-out. Contractor must present and discuss their basic approach to scheduling the construction work and any required phasing.

1.36. Construction Meetings. The KO, COR, and other Government personnel, as appropriate, may meet, in person or virtually, a minimum of once a week with the Contractor to review the Contractor's performance. At these meetings the KO will apprise the Contractor of how the Government views the Contractor's performance and the Contractor shall appraise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. Contractor shall document attendance, prepare an agenda, discussions and outcomes of meetings (meeting minutes) and digitally disseminate information to persons in attendance within 24hrs.

1.37. Pre-Final Inspection. The Contractor, and other personnel such as the Subcontractor shall jointly conduct a pre-final inspection prior to the Contractor requesting a final inspection for each TO. Any discrepancies noted shall be corrected prior to final inspection. The Contractor shall announce the pre-final inspection in writing to the KO and COR a minimum of seven (7) calendar days before Pre-Final Inspection. The Contractor may schedule more than one pre-final inspection if they determine it to be necessary. If no deficiencies are noted, or those noted are corrected or minimal, the Contractor may request a Final Inspection.

1.38. Final Inspection. The Contractor, COR, and other personnel such as the Subcontractor, building occupant, DPW, Directorate of Emergency Services (DES), or Safety Office shall jointly conduct a final inspection prior to the end of the Period of Performance (POP). Any discrepancies noted shall be corrected prior to the POP. The QCM shall request the pre-final inspection by writing to the KO and COR a minimum of fourteen (14) calendar days before project completion date. (Note: The Government reserves the right to disapprove of the request for a pre-final based on known project deficiencies.) Prior to the end of POP, the Contractor shall submit the final record drawings to the KO or the COR for review and approval. Prior to a request for a final inspection, the QCM shall conduct their own inspection and ensure all deficiencies are corrected. The QCM shall provide a copy of their inspection report to the Government's Inspector with a copy of the status of deficiency correction.

1.38.1. Prior to final acceptance of the TO, the Contractor shall ensure the following: final certified payrolls are on file, all payrolls are complete, Contractor's standard one (1) year warranty is submitted, all product warranties are submitted, and all Government property is accounted for, or restitution has been made.

1.39. Final Acceptance. Work performed shall be accepted only after the COR determines full compliance with the contract specifications, applicable clauses, and the SOW. The KO shall make final acceptance of work performed hereunder. The reports contemplated by the clause herein entitled *Schedules for Construction Contracts* shall be accomplished on and IAW instructions pertaining to the forms, contract progress schedule, and contract progress report. Final acceptance will not be made prior to the COR receiving all submissions required. Failure to submit required items could result in withholding payment of funds on the TO.

1.39.1. Final acceptance shall include, but not be limited to, the completion of the following: all work on SOW and plans, all permits (acquired, complied with and closed out), all punch list items, as-built, and final record drawings, DD Form 1354, *Transfer and Acceptance of DoD Real Property,* all restoration, removing all trash, construction products, and utility flagging.

1.40. Data Rights. The Government has unlimited rights to all documents/material produced under this

contract. All documents and materials, to include the source codes of any software, produced under this contract shall be Government owned and are the property of the Government with all rights and privileges of ownership/copyright belonging exclusively to the Government. These documents and materials may not be used or sold by the Contractor without written permission from the KO. All materials supplied to the Government shall be the sole property of the Government and may not be used for any other purpose. This right does not abrogate any other Government rights.

1.41. Contract Drawings and Specifications. The Contractor shall check all drawings furnished immediately upon receipt; compare all drawings and verify the figures before laying out the work; promptly notify the KO of any discrepancies; be responsible for any errors that might have been avoided by complying with this paragraph; and reproduce and print contract drawings and specifications as needed. In general, large-scale drawings shall govern small-scale drawings; and the Contractor shall follow figures marked on drawings in preference to scale measurements. Omissions from the drawings or specifications or the mis-description 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 mis-described details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.

1.41.1. The Contractor shall have a copy of the Paving Indefinite Delivery Indefinite Quantity (IDIQ) Contract, Task Order Scope of Work (SOW), Drawings, and specifications at the construction site at all times during construction.

1.41.2. Correspondence. All emails shall be in text only. All emails shall include name of sender, job title, name of company, company address, company office number, and company cell number.

1.41.3. Email tittle nomenclature shall include the following: FYXX_Facility_Work_Order_Task Order_Project_Description_Subject.

1.41.4. All emails shall be answered during regular working hours within 24hrs.

1.42. Mobilization. Contractor shall mobilize to the jobsite within 7 calendar days of notice to proceed. Mobilize is defined as having equipment and having a physical presence of at least one person from the contractor's team on the jobsite.

1.43. Project Signs. Furnish the construction project sign package, maintain the sign during construction, and remove the sign from the job site upon completion of the project. The construction project sign package consists of one project identification sign. Ensure that the package conforms to the requirements of EP 310-1-6a and EP 310-1-6b.

1.43.1. Utilize the Example Graphic of Signage with Dimensions for MILCON Project and follow USACE policy provided in Engineering Pamphlet (EP) 310-1-6a, Sign Standards Manual, VOL 1 for guidelines on fabricating, locating, and mounting construction project signs.

2. GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, AND SERVICES.

2.1. Utilities**.** The Government will provide electricity and water for Contractor use in conjunction with this contract where available, and commodities will be at no cost to the Contractor. The Contractor shall instruct employees in utilities conservation practices. The Contractor shall be responsible for operating under conditions that preclude the waste of utilities. Contractor shall meter all utilities used and report them to Sustainability & Energy and Engineering Services Division. To coordinate the use of utilities please contact Sustainability and Energy Division (SED). The Contractor shall be responsible for all utilities needed to complete the work in the SOW at locations where government utilities are not available. The Contractor shall provide sanitary facilities for employees.

2.2. Services. Required amounts (for contract performance) of water may be available to the Contractor from existing system outlets and supplies. The Contractor shall, at own expense, make all temporary connections and install distribution lines and extensions as required, to perform the work and maintain safe operating conditions. All temporary lines shall be furnished, installed and connected, and maintained by the Contractor in a workmanlike manner satisfactory to the KO and shall be removed by the Contractor at their own expense prior to final acceptance of the project. The Government will not be liable for any loss or damages suffered by the Contractor which may result from failure or interruption of any of the above utility services.

3. CONTRACTOR FURNISHED ITEMS AND SERVICES.

3.1. Contractor Furnished Items. Everything included in this paragraph and its subparagraphs is basic to the contract and should be included in the contract price.

3.1.1. The Contractor shall provide all labor, supervision, transportation, vehicles, supplies, equipment, and materials required to perform work under this contract. The Contractor shall, as necessary provide all equipment needed to perform the Scope of Work.

3.2. Materials. The Contractor shall furnish all materials and supplies as necessary to meet the requirements under this contract to include but not limited to: asphalt, concrete, fill material, base course material, rebar, pavement slurry sealer, sealcoating, reinforced concrete pipe, culvert box, rip-rap, gabion box, handrails, signs, striping, chain link fence, privacy slats, rock wall, landscape gravel, light poles, solar lights, barricades, temporary signs, barrels, and temporary striping. Materials list with specifications should be delivered as a submittal for approval prior to ordering or purchasing. In accordance with 41 U.S.C. 10a – 10d, all materials are required to be American made products. This requirement applies to contracts for the construction, alteration, or repair of any public building or public work in the United States.

3.3. Equipment. The Contractor shall provide all required equipment to meet the requirements under this contract to include but not limited to grader, skid steers, front end loader, excavator bulldozer, roller, backhoe, concrete mixer, scraper, trencher, dump truck, water truck, and paver.

3.4. Facilities, Security of Storage Area. If the Contractor elects to utilize the storage area made available by the Government, the Contractor shall be responsible for constructing, securing, and maintaining a temporary fence around the area subject to the approval of the KO and at the Contractor's expense. The Contractor shall provide and install a sign at the storage entrance identifying the Contractor and POC. Only materials to be used under the contract are authorized within the storage area. Do not place or store trailers, materials, or equipment outside the fenced area unless such trailers, materials, or equipment are assigned a separate and distinct storage area by the Directorate of Public Works (DPW) Master Planning office away from the vicinity of the construction site but within the installation boundaries. Do not stockpile materials outside the fence in preparation for the next day's work. Park mobile equipment, such as tractors, wheeled lifting equipment, cranes, trucks, and like equipment within the fenced area at the end of each workday. Any alterations to facilities shall be approved prior in writing and property shall be returned to its original condition prior to completion of this contract.

3.5. Utilities Outages. All anticipated utility outages shall be coordinated with DPW through the COR. A minimum advance notice of fourteen (14) calendar days shall be provided by the Contractor.

3.6. Responsibilities of the Contractor. The Contractor shall be responsible for all damages to persons and property that occur in connection with the work and service under this contract, without recourse against the Government.

3.6.1. Contractor shall exercise extreme caution to protect building finishes, private property, military property, historical material, cultural resources, etc., from damage during the performance of these contract requirements. Contractor shall be responsible for all loss or damage of any kind and nature to all Government and private property, while in the performance of these contract requirements, which result in whole or in part from the negligence or omissions of Contractor, any of his Subcontractors or any employee, agent or any representative of the Contractor or Subcontractor(s).

3.6.2. The Contractor shall provide maximum protection, take every reasonable means, and exercise care to prevent unnecessary damage to existing historic structures, contemporary structures, landscape plantings,

natural features, roads, utilities, and other public or private facilities. Special attention shall be given to historic structures and landscape features of the areas to protect these elements and their surroundings. In addition, Contractor shall remove or alter existing work in such a manner as to prevent injury or damage to any portions of the existing work which remain and repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as approved by the KO. At the completion of operations, existing work shall be in a condition equal to or better than that which existed before new work started.

3.7. Licenses and Permits. The Contractor shall, without additional expense to the Government, be responsible for obtaining any necessary licenses and permits, and for complying with any Federal, State, and municipal laws, codes, and regulations applicable to the performance of the work under this contract.

3.8. Contractor Equipment. The Contractor is responsible to ensure all personnel operating heavy equipment within the Fort Bliss Installation be trained and licensed for that equipment. The Network Enterprise Center Quality Assurance (NEC QA), Directorate of Public Works Quality Assurance (DPW QA), or Installation Safety Officer may at any time request verification of these credentials. If sub-contractors are used, it is the responsibility of the prime Contractor to coordinate and ensure these technicians' certifications are valid and current.

3.9. Post Regulations. All activities of the Contractor, and respective employees, while on Government-controlled property shall be conducted in strict accordance with all Post Regulations. The Contractor shall acquaint themselves with all Post Regulations in advance. Compliance with the provisions of this paragraph by the Contractor's Subcontractors and their employees will be the responsibility of the Contractor.

3.10. Limited Access. The Contractor shall only use established roadways when transporting personnel and/or material in the prosecution of work. The Contractor shall strictly adhere to the foregoing and shall not develop new ingress or egress roads.

3.10.1. The Contractor shall assure that its personnel use designated parking areas only. Personal and non-construction related vehicles shall not be parked on grassy, gravel, or landscaped areas.

3.10.2. The Contractor shall be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.

4. SPECIFIC TASKS.

4.1. General. The Contractor shall provide all skilled personnel, equipment, supplies, tools, materials, supervision, and other items necessary to perform this prescribed project as defined in this SOW to meet the performance requirements, except for those items specified as Government Furnished Property.

4.2. Projects. All work under this contract will be initiated by the issuance of Task Orders signed by KO. The Government will furnish the Contractor a written SOW there under. Additional drawings, maps, or sketches may or may not be issued as part of individual task orders. When such documents are issued, they form a part of these specifications.

4.3. Non-Pre priced items (NPI). When a component, work element, or system does not exist within the bid schedule, Bid Schedule_PAVE_FE 10031 4J_Paving IDIQ Contract FYXX, it shall be considered as a NPI. Line items not covered in the Bid Schedule but within the scope and general intent of the contract and are necessary to complete the requirements of a specific task order may be negotiated and incorporated into a task order by the KO. These non-pre-priced items will only be allowed if the Government deems that an appropriate line item is not provided within the Bid Schedule. The Contractor shall submit three (3) independent commercial quotes on letterhead for each NPI to KO. A detailed cost breakdown of the low sub-bid, when applicable, may be required. The NPI price(s) shall include all direct and indirect costs. Negotiating prices for NPIs and incorporating them in a task order does not incorporate them into the contract for subsequent use as priced item(s). To permit recurrent use, the KO may allow incorporation of a NPI into the Bid Schedule by supplemental agreement. This may be done at any time during the contract period.

4.4. Preconstruction Meeting. If the KO decides to conduct a preconstruction meeting, also known as the post award orientation meeting, the successful offeror will be notified and required to attend. The KO's notification will include specific details regarding the date, time, and location of the meeting, any need for attendance by Subcontractors, and information regarding the items to be discussed.

4.5. Rate of Work Performance. The period of performance allowed for completion of each task order shall be determined in the scope of work for each task. The period of performance will be measured in calendar days and be fully agreed on by Contractor, COR, and KO prior to task Order's award.

4.6. Work Areas. The Contractor shall confine their personnel to the normal access areas around the buildings and/or areas involved. Work areas will be specified for each task order.

4.6.1. The Government may or may not be occupying the buildings while work is being performed. The Contractor shall cooperate fully with COR and building's manager during the construction to minimize conflicts and to facilitate the building usage. The Contractor shall coordinate with COR, taking all necessary precautions to ensure building occupants maintain required facility access.

4.6.2. The scheduling of work areas is subject to change or delay. The COR and KO will coordinate all such changes or delays with the Contractor. Changes or delays to the scheduling of work areas by the Government as a result of operational considerations will be made at no additional cost to the Government and will be made prior to completion of work in current work areas. Contractors are responsible for requesting a time extension due to any delays (government or nature). Unapproved delays will result in liquidated damages.

4.6.3. When work involves residential facilities, close coordination will be required between the Contractor, COR, DPW Housing, and housing residents. Notification procedures including fourteen (14) business days in advance notifications to COR, building occupants, and DPW Housing of proposed work schedule will be required. A POC will be provided on a task order basis. For performance of work at Biggs Army

Airfield, the Contractor shall be required to schedule work in collaboration with, and subject to the approval, of the airfield personnel and COR at least fourteen (14) business days in advance of moving onto the work site.

4.6.4. At all times during the performance of the work, specified or indicated, the Contractor shall provide maximum cooperation with the personnel of adjacent facilities to insure a minimum amount of interruption of Government work.

4.7. Protection. The Contractor shall conduct work in the safest possible manner, observing all safety regulations, and requirements. The Contractor shall be responsible for safety during all phases of project undertaking and recognizing activities, operations, or conditions which pose a hazard or risk to life, health, or safety.

4.7.1. Protection of Surrounding Area. The Contractor remains responsible for observing and provide any signs, notifications, barricades, special equipment, etc., to protect the building occupants, government personnel, the public, private/ personal property, Contractor's workers, and all Government property from potential hazards, risks, contamination, or damage from project activities or operations.

4.7.2. Protection of Occupants in Occupied Facilities. To minimize impacts to the occupants the Contractor shall follow the Sheet Metal and Air Conditioning Contractors National Association (SMACNA) "IAQ Guidelines for Occupied Building under Construction". Contractor shall communicate with facility POC and COR of the work planned, and precautions being taken to address noise and indoor air quality (IAQ), e.g. dust, odor, and other harmful contaminates.

4.7.3. The Contractor shall provide a POC to address occupants' complaints or concerns. Contractor shall forward all comments to COR upon receipt.

4.7.4. Protection of Equipment, Furnishings, and Materials. The Contractor shall be responsible for physical security of all equipment, furnishings, and materials on the job site until final acceptance. Any materials damaged, lost, and/or stolen prior to final acceptance shall remain the Contractor's responsibility to repair and/or replace, as required.

4.8. Injury and Property Damage. The Contractor is responsible for investigating and reporting all lost time, injury, property damage, and accidents, caused by the Contractor or Subcontractors, to KO and COR. Reports shall be filed verbally immediately upon occurrence, then followed up in writing utilizing the proper forms. The Contractor shall report all man- hours worked and maintain a daily record of all first aid treatment cases (including Subcontractors). These reports will be submitted weekly to KO and COR. Failure to submit required safety related administrative items will be cause for remedial action.

4.9. Portable Latrines. The Contractor shall be responsible for furnishing portable latrines as required by OSHA and ANSI, for the use of employees at such locations as designated by the KO and COR.

4.10. Historical Properties. All work performed on Historic Properties shall be reviewed and approved by the Post Historic Architect or Cultural Resource Manager (CRM) prior to disturbance or alteration of materials or property.

4.10.1. Work performed on any Historic Property in Texas and New Mexico shall performed according to The Secretary of Interior Standards for the Treatment of Historic Properties to meet the standards set forth in 36 CFR Part 800: Protection of Historic Properties; DoDI 4715.16: Cultural Resources Management; AR 200-1: Environmental Protection and Enhancement; the Fort Bliss Integrated Cultural Resources Management Plan (ICRMP); the Fort Bliss Programmatic Agreement for the Management, Development, and Operation of Historic Properties, and all associated regulations.

Fort Bliss Garrison has more than six (6) identified Historic Districts:

a. Fort Bliss Main Post Historic District
b. Army Field Forces Board No. 4 Historic District
c. 1st. Guided Missile Group Training Facilities Historic District
d. Early Cold War Guided Missile Instruction Historic District (Areas A-F)
e. 7000 Area Residential Community Historic District
f. Firebee/Towbee Drone Launch Complex Historic District

4.10.2. Additional areas, view sheds, and buildings are subject to inclusion per 36 CFR Part 61 and AR 200-4, therefore, prior to commencement of any work a determination of eligibility must be made by the Historic Architect or CRM.

4.11. Hazardous Material Abatement. The Contractor shall test for asbestos and provide the test results to the COR & KO before proceeding for additional guidance. If the KO allows for work to continue, the Contractor shall coordinate all hazardous material removal with the DPW-E and execute all projects in strict adherence to the latest installation, Federal, state, and local regulations. Copies of the ten (10) day notification shall be required prior to any abatement. Copies of all clearance reports, air monitoring, and waste manifests shall be required at the completion of the project. All notifications and records pertaining to hazardous materials shall be submitted to the Fort Bliss Safety Office, Industrial Hygiene Services, COR, and DPW-E Asbestos and Lead Program Manager.

4.12. Air Emissions. Construction Operating Permits may be required prior to the installation of a significant, stationary, and/or air emissions source. Possible sources include but are not limited to boilers, generators, paint booths, baghouses, cyclones, painting operations, wood working operations, welding operations, de-painting or blasting operations, engine test cells, solvent baths/degreasers, fuel storage tanks, or fueling operations. The air emission units listed above may also require modification to the installation's Title V Permit and cannot be installed nor operated until a permit is issued is issued by the state permitting authority as applicable. Coordinate with the Air Program Manager via the COR and DPW-ED for further guidance.

4.12.1. Cut-back asphalt or solvent (Jet fuel) products shall not be used by Contractor.

4.13. Certification of Asbestos Free Construction. Texas House Bill 1927, effective September 2001, requires a Safety Data Sheet and a signed statement by an architect, engineer or Texas Department of Health Inspector identifying presence of asbestos containing material in all construction building materials (reference Texas Asbestos Health Protection Rules, Section 295.34, Part J). The Contractor shall provide a signed statement a CERTIFICATION form and attached with Safety Data Sheet (SDS) on each construction material (i.e. interior & exterior material of construction including mastic, sealant, roofing felt, roofing coating, non-roofing coating, floor tile and mastic, pipeline wrap, any type of friction material, etc.) and equipment.

4.13.1. Any excavation could encounter asbestos-containing concrete pipe, a.k.a. transite. If, during excavation, transite pipe is found the material shall not be disturbed by grinding, breaking, scraping or crushing, but shall be abated or removed by a licensed company with properly trained personnel using best management practices to prevent worker exposure, and proper handling and disposal of Asbestos Containing Materials (ACM) pipe; or excavation deviated to leave transite pipe undisturbed and left abandoned in place. If ACM pipe is encountered contact the KO and the Lead/Asbestos Program via the COR for further guidance.

4.13.2. No buildings are to be disturbed during the execution of this project according to Scope provided (e.g., drilling, cutting, removing, or any type of disturbance to walls, floors, ceilings, roofs, pipelines, etc.), otherwise, prior asbestos and lead surveys must be conducted to avoid workers exposure to toxic materials. In case facilities or building materials need to be surveyed for asbestos and/or lead contact KO, COR and DPW-ED.

4.14. Hazardous/ Regulated Materials. All hazardous materials required for this contract must be approved by the Army Field Support Battalion (AFSB-FB) via the Hazardous Materials Management Center (HAZMART). The Contractor shall submit all Safety Data Sheets (SDS) to HAZMART for review. Only after receiving formal approval may materials be brought onto the installation. All hazardous materials must be stored in strict accordance with the manufacturer's recommendations

4.14.1. No material other than construction materials, e.g. PVC, CPVC, or other suitable materials, will be brought into the installation.

4.15. Recycle concrete in aggregate. Waste & Recyclables Management. Construction Waste Management. The DoD Strategic Sustainability Performance Plan (SSPP) (reference 1.q) requires that at least 60% of construction and demolition debris be diverted from the waste stream by FY2015. Therefore, projects that involve the removal of existing buildings or structures will evaluate the feasibility of deconstruction and salvage rather than conventional demolition and will implement deconstruction wherever markets or on-site reuse opportunities exist or are anticipated.

4.15.1. Construction Wastes Requirements: All project generated waste must be disposed of by Contractor according to Fort Bliss requirements and regulations

4.15.2. For dig permits which create considerable construction debris from the demolition of streets, sidewalks, landscaping and other hardscapes, the affected area(s) shall be restored to original or better state. All project generated waste must be disposed of by contractor according to the following Fort Bliss requirements and regulations.

4.15.3. The Contractor and its Subcontractors are responsible for disposal of excess soil, earth, rock or spoils, and any construction materials in excess. The Environmental Division is not responsible for providing location, sites, and operational limits and logistics for disposal of spoils.

4.15.4. Any solid waste generated (non-hazardous or construction debris related) shall be disposed of and by the Contractor, its Subcontractor or the project proponent. All solid waste that cannot be recycled shall be disposed of at a permitted landfill or other authorized facility. Burning or burying (land disposal) is strictly prohibited by state laws, and any evidence of such will be addressed properly, and the Contractor, its Subcontractors and the proponent will be responsible for cleaning and removing all debris, trash and contaminated soils, water or other impacted materials, and replacing the materials, equipment or other infrastructure at the proponents, contractors and its Subcontractors' costs.

4.15.5. Records & data Reporting requirement: All weight tickets and manifests for waste and diverted or recycled materials shall be submitted to the government project manager (PM) or Contracting Officer representative (COR). The government PM or COR will provide DPW Environmental Division, Pollution Prevention Branch the diversion records.

4.16. Salvage, Waste, and Disposal. All scraps and debris resulting from work shall be disposed off-post by the Contractor, including associated disposal fees. No material shall be disposed of in the Fort Bliss landfill. Disposal of chemical wastes, oils, bituminous materials, lead base paint material, asbestos materials, and other hazardous/ regulated materials shall be in accordance with Federal, State, and local requirements.

4.17. Dust Control. Minimize dust generation by restricting vehicle speeds to 5 mph, hauling materials properly covered or in sealed containers, and/or applying water when applicable. Application of used oil or chemical dust control is prohibited. For guidance call COR & DPW-ED at (915) 568-3782.

4.18. Spills and Releases. Any accidental releases of fuel on the ground during construction activities shall be reported to the Fort Bliss Fire Department at 911 or (915) 744-9545 (from cellphone). Fort Bliss Hazardous Waste Field Services Contractor will provide cleanup and waste disposal support. The party responsible for the spill will be billed through the Fort Bliss Resource Management Office. Any applicable regulatory reporting must be done by DPW-ED personnel.

4.18.1. Accidental Encounter: If abandoned septic tanks, or water-holding tanks are found through excavation, please notify DPWED through COR for further guidance.

4.18.2. Sewage Spill: If a sewage spill occurs, COR & DPW-ED shall be notified immediately of the location, time and quantity (gallons), please submit a Demand Maintenance Order at 915-3782.

Sewage Spill Clean-up:

a. Stop or mitigate the flow as soon as possible.
b. Contain the spill whenever possible.
c. Return as much of the spilled wastewater to the collection system or treatment facility as possible.
d. Remove and properly dispose of all solids.
e. Act quickly to reduce any threat to human health and the environment.
f. Assess any impact to the environment by taking laboratory samples.

4.18.3. No contaminants shall enter the stormwater system including sediment, oil and grease from vehicles, mud from tires, paint/stain, soaps/solvents, stucco, cement, sediment from disturbed soil.

4.19. Daily Clean Up. The cleanup of the work site shall include, but not limited to, the removal of scrap (waste materials), spoils, debris, and salvage material that results from work on this project as well as general upkeep of the site to include mowing, trimming and weed control. The Contractor shall maintain a clean work area, free of construction debris. The Contractor shall clean the work site daily as well as after completion of the project in the project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter and foreign substances.

4.20. Texas Commission on Environmental Quality (TCEQ). Contractor shall comply with Texas Commission on Environmental Quality, Chapter 290 – Public Drinking Water, 290.101 – 290.119, 290.121, 290.122, Effective March 30, 2017, or most current approved version. The purpose of these standards is to assure the safety of public water supplies with respect to microbiological, chemical, and radiological quality and to further efficient processing through control tests, laboratory checks, operating records, and reports of public water supply systems.

4.20.1. For new construction it is required to follow the plumbing code for the state of Texas before they can connect to secondary water system. A customer service inspection (CSI) certificate shall be completed prior to providing continuous water service to new construction, on any existing service either when the water purveyor has reason to believe that cross-connections or other potential contaminant hazards exist, or after any material improvement, correction, or addition to the private water distribution facilities.

4.21. Haul Routes. The Contractor shall submit haul routes, spill prevention and contingency plans to the COR

and DPW-E for review and approval prior to start of work. Any costs associated with spill cleanup, decontamination, abatement, disposal, mitigation, etc., shall be borne by the Contractor.

4.22. Solid Waste & Recycling Programs. Proposed project shall generate waste streams from the demolition of existing roadway materials; however, it is not anticipated that the project will generate recyclable materials, i.e. paper, plastics, scrap metal, wood pallets and other eligible materials in large quantities. Generation of administrative / project management process can be handled with desk side recycling and waste containers. The Recycling Program can assist with desk side Recycling Containers, call 915-568-1537 for more information and availability.

4.23. General Prohibition. Any construction debris containing hazards or toxic substances such as lead, asbestos, mercury, polychlorinated biphenyls (PCB) or other known, identifiable materials shall not be disposed of in trash and recycling containers but require special handling and disposal requirements. Hazardous materials or waste such as oil, fuel, paints, lubricants, cleaning solvents, etc. are prohibited from being disposed of in trash and recycling containers. Violations of these prohibitions can subject the proponent and Contractor to clean contaminated facilities and containers or reimburse the Government for cleaning contaminated facilities and containers. Furthermore, the prohibition of burying and burning any trash (hazardous or non-hazardous), chemicals and other disposable materials is strictly disallowed and illegal subjecting the Contractor, its Subcontractors and the proponent to legal issues. The Government will seek reimbursement for the entire costs of cleaning, removing, mitigating contamination, and other actions to restore the area and resource to its near original condition.

4.23.1. Prior to use of hazardous or regulated material, the Contractor shall provide the COR and DPW Environmental Division a list of methods for review and approval, pertaining to regulated/hazardous materials, storage, and disposal of waste generated.

4.23.2. All recyclable / reusable waste and recycled materials shall be reported in the units of measure, pounds for diversion reporting purposes. Provide data to the Solid Waste and Recycling manager via COR.

4.24. Ground Disturbance. During ground disturbance or excavation, if any soil discoloration, stains, odors, rubbish, buried objects and/or any environmental concerns are uncovered, the Contractor shall suspend work immediately and notify the DPW-ED via the COR. (Per the Environmental Protection Agency: "…Any generator managing a potentially hazardous waste should manage it in accordance with the generator regulations until such time that the generator is sure that the waste is not hazardous. "For this reason, any potential waste shall be treated as hazardous until DPW-ED completes the corresponding characterization). Cleanup and disposal of any encountered contaminated soil shall be coordinated with DPW-ED via the COR. Waste manifests shall use the Fort Bliss Environmental Protection Agency Identification Number. Only personnel appointed in writing by the Garrison Commander are authorized to sign manifests on behalf of Fort Bliss. The original manifests signed by the disposal facilities shall be provided to DPW-ED via the COR.

4.24.1. During construction activities, any accidental releases of hazardous materials such as fuel on the ground shall be reported to the Fort Bliss Fire Department at 911. The Contractor will be responsible for remediation of contaminated areas to background limits.

4.25. Cultural Resources-Archeology. Proponent is advised to follow the procedures for the inadvertent discovery of cultural materials. If cultural materials are found during any excavation (esp. possible bone) stop working in that area and contact COR and DPW-E at 915-568-3782. An archaeologist will conduct a site visit and assess the find. Work can continue in that area when all cultural work is completed. If changes to the design occur, please re-submit for review.

4.25.1. Natural Resources Program. All construction activities with potential to impact Natural Resources need approval from the DPW-E Division prior to activities.

4.26. Drinking Water. Proponent shall ensure compliance with the Clean Water Act, the Safe Drinking Water Act, American Water Works Association (AWWA) Standards, and State's Regulations and Fees (refer to 30TAC290 and NMAC20.7.10). There shall be no cross-connection, open or potential, between a system furnishing potable water and a system furnishing non-potable water. Responsible authorities must implement, administer, and maintain ongoing back-flow prevention and cross-connection control programs to prevent back-flow; protect public water systems from the actual or potential hazards originating on the premises of end user building owners or end users; and protect public water systems from temporary connections that may impair or alter the water. For activation, modification or deactivation of water systems, please coordinate with the water utility provider American States Utility Services, Inc. (ASUS) Fort Bliss Water Services Company (FBWS), which provides the operation and maintenance on the Installation. Non-potable water shall be marked as such in a manner that indicates it is not for human use nor consumption.

4.27. Wastewater. Dispose of the construction related wastewater off Government property in accordance with 40 CFR 403, state, regional, and local laws, and regulations. Water discharges into the sewer system as a result of this project shall abide by the conditions and requirements of El Paso Water (EPW) Rules 9 and 15. No foreign items, construction debris, chemicals, nor oils shall be introduced into the sanitary sewer collection system.

4.28. Storm Water Pollution Prevention Plan (SWPPP). If more than an acre is to be disturbed during construction, the Contractor shall submit a SWPPP for approval. Contractor's final SWPPP shall be submitted NLT fourteen (14) calendar days after contract award. The Contractor shall submit a SWPPP for approval prior to Site Clearance Line Marking Request. For guidance contact (915) 568-3782.

a. Soil disturbing activities include clearing, grubbing, grading, and excavation.
b. Area of disturbance includes equipment movement area, buffer area, storage, staging areas, etc.
c. The area includes all phases and locations regarding this project. Segmentation is prohibited.

4.28.1. Notice of Intent is required if project will disturb more than 5 acres of land – NOI & NOT submittal, review and approval from ED is required prior to submitting to the state.

4.29. Threatened and Endangered Species (T&E) and their Habitats. The project area must be cleared of T&E species, sensitive species, Locally Important Natural Resources (LINR) and their habitats prior to construction activities.

4.30. Migratory Bird Treaty Act. All construction activities with potential to remove vegetation during the migratory bird nesting season (February 15th through September 15th) need to have an avian nest search completed by a qualified biologist prior to activities to prevent the "take" of a protected species. Before any ground disturbance, a burrowing owl burrow survey needs to be completed if construction activities occur between March 1st and October 30th.

4.30.1. Electric. The electric company is required to ensure that all above ground transmission poles and lines (temporary and permanent) are compliant with Edison Electric Institute and Aviation Power Line Interaction Suggested Practices for Raptor Protection on Power lines, specifically for raptors since they utilize power poles on post and have the greatest wingspan. All equipment must be properly insulated and grounded and adequately spaced to avoid raptor electrocutions. Bird deterrents or alternative perches need to be installed on poles and cross arms when line configurations do not allow for adequate wire separation to avoid avian electrocutions.

4.30.2. Fencing. Fenced areas need to include design option with a buried apron of chain-link fabric buried up to 24" and extending 48" outward to prevent animals from burrowing under the fence.

4.31. Invasive Plants. The invasive plant species, African rue, is known to occur at Ft. Bliss; therefore, all earth moving equipment should be thoroughly washed prior to and before leaving the site to prevent both the introduction and spread of invasive plant species. If any holes/pits/trenches required are to be left open (unfilled) overnight, one side of the excavation needs to be sloped to allow any potentially trapped wildlife to escape.

4.32. Pollution Prevention Act (PPA). Conduct cleaning and waste removal operations to comply with Federal and local environmental and anti-pollution regulations. Pollution (air, water, solid, toxic and hazardous waste) should be prevented or reduced at the source and pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible. If pollution cannot be prevented or recycled it should be treated in an environmentally safe manner or released into the environment in an environmentally safe manner as a last resort.

4.32.1. Dispose of the construction related wastewater off Government property in accordance with 40 CFR 403, state, regional, and local laws, and regulations.

4.32.2. Water discharges into the sewer system as a result of this project shall abide by the conditions and requirements of El Paso Water (EPW) Rules 9 and 15. No foreign items, construction debris, chemicals, nor oils shall be introduced into the sanitary sewer collection system.

4.33. Noise Control. The Contractor shall comply with all applicable state and local laws, ordinances, and regulations relative to noise control.

4.34. Buy American Act. Applying to contracts for the construction, alteration, or repair of any public building or public work in the United States, the Contractor shall utilize commercially available off-the-shelf (COTS) construction materials in accordance with Executive Order 10582 and 41 U.S.C. chapter 83, Buy American.

4.35. Pre-Construction Deliverables. The Contractor shall provide pre-construction submittals to COR and courtesy copy the KO and KS within fourteen (14) calendar days of award. All pre-construction deliverables must be approved prior to the start of construction (work). The following submittals are dependent on the issuance of the notice to proceed, commencing work on site, or the start of the next major phase of the construction on a multi-phase undertaking. The submittal name nomenclature shall be as follows: "Submittal # _Type of submittal_YYYY_MM_DD". For example, "Submittal 1_Organizational Chart_2024-10-15." Each submittal shown below shall be submitted individually. Bundled submittals will be rejected.

a. Approval of Equal (If required)
b. Accident Prevention Plan (APP)
c. Activity Hazard Analysis Plan (AHA)
d. Army Radiation Permit (If required)
e. Bonds (Payment and performance bonds)
f. Construction Project Schedule
g. Contract Safety Plan
h. Environmental Protection Plan
i. Federal Aviation Administration (FAA) Notice (If required)
j. Fire Prevention Construction Guide Acknowledgement Receipt
k. Force Protection
l. Hot Work Permit (If required)

m. Material Submittals (Reference 4.37.)
n. Organizational Chart
o. Quality Control Plan
p. Site Clearance and Line Marking (SCLM)
q. Staging and Laydown Area Plan
r. Statement and Acknowledgement
s. Storm Water Pollution Prevention Plan (If required)
t. Submittal Register
u. Traffic Control Plan (If required)
v. Training and Certification Documentations
w. Utility Coordination Shut-down Request (If required)
x. Asbestos/lead test results (If required)

4.36. Material Submittals. Contractor shall submit Material Submittals prior the beginning of construction to COR for review within thirty (30) calendar days after award date.

4.37. Approved Equal . Contractor shall Prepare and submit an Equal or Better Plan if required. Once reviewed and accepted by the KO, the Equal or Better Plan and attachments will be enforced as part of the Contract.

4.38. Accident Prevention Plan (APP) Requirements. Contractor shall prepare and submit an APP for approval no later than fifteen (14) days after contract award. Once reviewed and accepted by the KO, the APP and attachments will be enforced as part of the Contract. The APP shall be in accordance with the format and requirements of EM 385-1-1, Appendix A, and as supplemented herein. Cover all paragraph and subparagraph elements in EM 385-1-1. The APP must be job-specific and address any unusual or unique aspects of the project or activity for which it is written. The APP must interface with the Contractor's overall safety and health program referenced in the APP in the applicable APP element and made site-specific. Describe the methods to evaluate past safety performance of potential Subcontractors in the selection process. Also, describe innovative methods used to ensure and monitor safe work practices of Subcontractors. The Government considers the Prime Contractor to be the "controlling authority" for all work site safety and health of the Subcontractors. Contractors are responsible for informing their Subcontractors of the safety provisions under the terms of the Contract and the penalties for noncompliance, coordinating the work to prevent one craft from interfering with or creating hazardous working conditions for other crafts, and inspecting Subcontractor operations to ensure that accident prevention responsibilities are being carried out. The APP must be signed by an officer of the firm (Prime Contractor senior person), the individual preparing the APP, the on-site superintendent, the designated SSHO, the Contractor QCM, and any designated Certified Safety Professional (CSP) or Certified Health Physicist (CIH). The SSHO must provide and maintain the APP and a log of signatures by each Subcontractor foreman, attesting that they have read and understand the APP, and make the APP and log available on-site to the KO. If English is not the foreman's primary language, the Prime Contractor must provide an interpreter.

Disregarding the provisions of this Contract or the accepted APP is cause for stopping work, at the discretion of the KO, until the matter has been rectified. Continuously review and amend the APP, as necessary, throughout the life of the Contract. Changes to the accepted APP must be made with the knowledge and concurrence of the KO, project superintendent, SSHO and QCM.

4.39. Activity Hazard Analysis (AHA) Requirements. Before beginning each activity, task, or Definable Feature of Work (DFOW) involving a type of work presenting hazards not experienced in previous project operations, or where a new work crew or Subcontractor is to perform the work, the Contractor(s) performing that work activity must prepare an AHA. AHAs must be developed by the Prime Contractor, Subcontractor, or supplier performing the work, and provided for Prime Contractor review and approval before submitting it to the KO. AHAs must be signed by the SSHO, Superintendent, QC Manager and

the Subcontractor Foreman performing the work. Format the AHA in accordance with EM 385-1-1, Section 1 or as directed by the KO. Submit the AHA to KO and COR for review and approval no later than fifteen (15) days after contract award and fifteen (15) days prior to the start of each new activity task, or DFOW. The Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented. AHAs must identify competent persons required for phases involving high risk activities, including confined entry, crane and rigging, excavations, trenching, electrical work, fall protection, and scaffolding.

4.40. Army Radiation Permit. When utilizing a density nuclear gauge, non-military agencies (including vendors and civilian Contractors) require an Army Radiation Permit (ARP) to use, store, or possess ionizing radiation sources on an Army installation. Non-Army applicants apply by completing an ARP application form, including supporting documentation to the Garrison Commander, via the Installation Safety Office.

4.41. Project Schedules. The Contractor shall prepare and submit a Project Schedule for approval, as specified in each TO. Schedules shall be provided at no additional cost to the Government. The schedule shall indicate all work activities, milestones, and clearly show the critical path of the job. The schedule shall include activities for submittal approval, as-built drawings, final clean up and inspection, correction of punch list items and final payroll submittal, and operation and maintenance manuals. The schedule shall indicate the sequence in which the Contractor proposes to perform the work and dates on which the Contractor proposes to start and complete all scheduled activities. The Contractor shall schedule the entire project from the award date. The Contractor shall use the approved project schedule to measure the progress of the work.

4.41.1. Revisions of the schedule shall be re-submitted with each modification proposal for approval. The revised TO schedule shall clearly reflect the added and/or deleted items of work and reflect the increase or decrease in time required to execute the project and the modification. The Contractor shall immediately contact the KO for further direction if a Government Representative requests a change to the SOW.

4.41.2. Construction project schedules shall be submitted electronically. The Contractor shall provide an approved electronic version, readable without providing a copy of the software, to the KO and COR.

4.42. Time Extensions. Time extensions for TO modifications will be CONSIDERED ONLY IF CLEARLY JUSTIFIED AND APPROVED. Time shall not be extended to correct insufficient progress prior to the modification. (FAR 52.211-13, Time Extensions)

4.43. Weather Related Time Extensions. Time extensions may result from unusually severe weather for exterior projects. The KO may award a time extension through the Contractor's request, only if the following conditions are satisfied:

4.43.1. 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.

4.43.2. The unusually severe weather must 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.

4.43.3. Unusually severe is defined as weather that is abnormal compared to the past weather at the same location at the same time of year. Since the weather causing the delay must be abnormal for the same time of year and location, the fact that a Contractor encounters even extremely harsh weather, which in fact prevents them from working, is alone insufficient for finding an excusable delay if such weather is normal for the

contract site. Adverse weather which at the time of year in which it occurs is unusual for the place in which it occurred. No matter how severe or destructive, if the weather is not unusual for the time and place, or if a Contractor should have reasonable anticipated it, the Contractor is not entitled to relief. A mere showing that there was rain, high wind velocity, or other unsettled weather conditions which interfered and prevented performance of work is not sufficient to bring those weather conditions within the meaning of the terms "unusually severe" weather.

4.43.4. Anticipated Weather Delays. Anticipated weather delays are typically based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the project location and shall constitute the base line for monthly weather evaluations as specified in the TO. The Contractor's progress schedule shall reflect these anticipated adverse weather delays for weather-dependent activities.

4.44. Liquidated Damages. The Contractor shall pay liquidated damages to the Government if the Contractor fails to complete the work within the time specified. The amount to be paid by the Contractor shall be determined at the TO level for each calendar day of delay until the work is completed or accepted.

4.44.1. If the Government terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs the Government incurred to complete the work. (FAR 52.211-12, Liquidated Damages- Construction).

4.45. FAA Notice. In accordance with CFR Title 14 Part 77.9 (Safe, Efficient Use, and Preservation of the Navigable Airspace), the Contractor shall evaluate filing requirements based on structure height, airport proximity, location, and emitted frequencies. If an FAA notice is required, the Contractor must submit Form 7460-1 (Notice of Proposed Construction or Alteration) via the FAA OE/AAA Portal at least forty-five (45) days prior to the construction start date or permit application. Additionally, the Contractor shall submit a Lift Plan to the point of contact (POC) listed below, with a carbon copy (cc) to the Contracting Officer's Representative (COR) via email, no later than forty-five (45) days prior to the proposed construction start date. The Contractor must coordinate all filing requirements and airspace work restrictions with the COR, El Paso International Airport (TX), and Biggs Army Airfield prior to the commencement of any work. Airspace POC: Installation Air Traffic & Airspace Officer Fort Bliss, TX 79918, Office: (915) 744-1256, Cell: (915) 694-9973.

4.46. Fire Protection Construction Guide Acknowledgement Receipt. See Attachment Section.

4.47. Force Protection – See Security Section

4.48. Anti-Terrorism & Operation Security.

4.48.1. AT Level I am training. This standard language is for Contractor employees with an area of performance within an Army controlled installation, facility, or area. All Contractor employees, including Subcontractor employees, requiring access to Army installations, facilities, and controlled access areas shall complete AT Level I awareness training within 30 calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The Contractor shall submit certificates of completion for each affected Contractor employee and Subcontractor employee to the COR or to the contracting officer, if a COR is not assigned, within 5 calendar days after completion of training by all employees/Subcontractor personnel. AT Level I training is available at https://jko.jten.mil/courses/AT-level1/launch.html

4.48.2. Access and general protection/security policy and procedures. This standard language is for Contractor

employees with an area of performance within an Army-controlled installation, facility, or area. Contractor and all associated Subcontractor employees shall provide all information required for background checks to meet installation access requirements to be accomplished by the installation Provost Marshal Office, Director of Emergency Services, or Security Office. Contractor workforce must comply with all personal identity verification requirements (CFR clause 52.204-9, Personal Identity Verification of Contract Personnel) as directed by DoD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in Contractor security matters or processes.

4.48.3. For contractors requiring CAC. Before CAC issuance, the Contractor employee requires, at a minimum, a favorably adjudicated National Agency Check with Inquiries (NACI) or an equivalent or higher investigation in accordance with Army Directive 2014-05. The Contractor employee will be issued a CAC only if duties involve one of the following: (1) both physical access to a DoD facility and access, via logon, to DoD networks on-site or remotely; (2) remote access, via logon, to a DoD network using DoD-approved remote access procedures; or (3) physical access to multiple DoD facilities or multiple non-DoD federally controlled facilities on behalf of the DoD on a recurring basis for a period of 6 months or more. At the discretion of the sponsoring activity, an initial CAC may be issued based on a favorable review of the FBI fingerprint check and a successfully scheduled NACI at the Office of Personnel Management.

4.48.4. For Contractors that do not require CAC but require access to a DoD facility or installation. Contractor and all associated Subcontractor employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (Army Directive 2014-05/AR 190-13); applicable installation, facility and area commander installation and facility access and local security Policies and procedures (provided by Government representative); or, at OCONUS locations, in accordance with status-of-forces agreements and other theater regulations.

4.48.5. AT Awareness Training for Contractor Personnel Traveling Overseas. This standard language requires U.S. based Contractor employees and associated Subcontractor employees to make available and to receive Government-provided area of responsibility (AOR)–specific AT awareness training as directed by AR 525-13. Specific AOR training content is directed by the combatant commander and coordinated with the unit ATO.

4.48.6. Locally Developed iWatch army Training. This standard language is for Contractor employees with an area of performance within an Army-controlled installation, facility, or area. The Contractor and all associated Subcontractors shall brief all employees on the local iWatch Army program (training standards provided by the requiring activity ATO). This locally developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR. This training shall be completed within 30 calendar days of contract award and within 15 calendar days of new employees commencing performance, with the results reported to the COR NLT 30 calendar days after contract award.

4.48.7. Army Training Certification Tracking System (ATCTS) registration for Contractor employees who require access to Government information systems. All Contractor employees with access to a Government info system must be registered in the ATCTS at commencement of services and must successfully complete the DoD Information Assurance Awareness prior to access to the information system and annually thereafter.

4.48.8. For contracts that require a formal OPSEC program. The Contractor shall develop an OPSEC Standing Operating Procedure (SOP)/Plan within 90 calendar days of contract award, to be reviewed and approved by the responsible Government OPSEC officer. This plan will include a process to identify critical information, where it is located, who is responsible for it, how to protect it, and why it needs to be protected. The Contractor shall implement OPSEC measures as ordered by the commander. In addition, the Contractor shall have an identified certified Level II OPSEC coordinator per AR 530-1.7.

4.48.9. For contracts that require OPSEC Training. Per AR 530-1 (Operations Security) all Contractor/Subcontractor employees, shall complete OPSEC Level I training within 30 calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The Contractor shall submit certificates of completion for each affected Contractor employee and Subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within 5 calendar days after completion of training by all employees and Subcontractor personnel. Training will be conducted annually thereafter, if applicable. OPSEC training is available at https://securityawareness.usalearning.gov/opsec/index.htm

4.48.10. For IA/IT Training. All Contractor employees and associated Subcontractor employees must complete the DoD IA awareness training before issuance of network access and annually thereafter. All Contractor employees working IA/IT functions must comply with DoD and Army training requirements in DoDD 8570.01, DoD 8570.01-M, and AR 25-2 within six months of appointment to IA/IT functions.

4.48.11. For IA/IT certification. Per DoD 8570.01-M, Defense Federal Acquisition Regulation supplement (DFARS) 252.239.7001, and AR 25-2, the Contractor employees supporting IA/IT functions shall be appropriately certified upon contract award. The baseline certification as stipulated in DoD8570.01-M must be completed upon contract award.

4.48.12. For Contractors authorized to accompany the force. DFARS Clause 252.225-7040, Contractor Personnel Authorized to Accompany U.S. Armed Forces Deployed Outside the United States, shall be used in solicitations and contracts that authorize Contractor personnel to accompany U.S. Armed Forces deployed outside the U.S. in contingency operations; humanitarian or peacekeeping operations; or other military operations or exercises, when designated by the combatant commander. The clause discusses the following AT/OPSEC-related topics: required compliance with laws and regulations, pre-deployment requirements, required training (per combatant command guidance), and personnel data required.

4.48.13. For contracts requiring performance or delivery in a foreign country. DFARS Clause 252.225-7043, Antiterrorism/Force Protection for Defense Contractors Outside the US, shall be used in solicitations and contracts that require performance or delivery in a foreign country. This clause applies to both contingencies and non-contingency support. The key AT requirement is for non-local national Contractor personnel to comply with theater clearance requirements and allows the combatant commander to exercise oversight to ensure the Contractor's compliance with combatant commander and subordinate task force commander policies and directives.

4.48.14. For contracts that require handling or access to classified information. Contractor shall comply with FAR52.204-2, Security Requirements. This clause involves access to information classified "Confidential," "Secret," or "Top-secret" and requires contractors to comply with (1) the Security Agreement (DD Form 441), including the National Industrial Security Program Operating Manual (DoD 5220.22-M); (2) any revisions to DoD 5220.22-M, notice of which has been furnished to the Contractor.

Cont. If secure telecommunication requirements apply, include clause 252.239-7016 and follow guidance at 239.74.

Cont. If covered system support requirements apply, include provision 252.239-7017 into the solicitation, clause 252.239-7018 into the contract, and follow guidance at 239.73.

4.48.15. Controlled Unclassified Information (CUI). Include DFARS clause 252.204-7012, which requires the Contractor to comply with NIST 800-171. Also include DFARS provision 252.204-2019 into solicitations. Acquisition officials should follow procedures outlined in DFARS 204.73 and verify vendors have an adequate NIST SP 800-171 summary assessment score within the Supplier Performance Risk System (within PIEE). If the score doesn't show a medium- or high-level assessment with a score of 110 or better (as described in the "NIST SP 800-171 DoD Assessment Methodology"), include clause252.204-7020 and obtain the vendor's "system security plan" and "plan of action" for NIST SP 800-171 verification and assurance by Army security officials.

4.49. Hot Work Permit. Contractor shall submit and obtain a written permit prior to performing "Hot Work" (welding, cutting, etc.) or operating other flame- producing/spark producing devices from the Fort Bliss Fire Department. A permit is required from the Explosives Safety Office for work in and around where explosives are processed, stored, or handled. Contractors are required to meet all criteria before a permit is issued. The Contractor will provide at least two (2) twenty (20) pound ABC rated extinguishers for normal "Hot Work". All extinguishers shall be current inspection tagged, approved safety pin, and tamper resistant seal. It is also mandatory to have a designated FIRE WATCH for any "Hot Work" done at this activity. The Fire Watch shall be trained in accordance with National Fire Protection Association (NFPA) 51B and remain on-site for a minimum of thirty (30) minutes after completion of the task or as specified on the hot work permit. All welding and cutting operations shall be accomplished in strict compliance with the requirements outlined in the National Fire Protection Association Standard, and the Department of the Army Corps of Engineering General Safety Requirement Manual EM 385-1-1. Prior to welding and/or cutting, or any other flame or spark producing operations, the Contractor or Subcontractor performing the work shall obtain a permit from the Post Fire Department. The permit may be obtained by calling 915-543-0019 to set an appointment for a Post Fire Department representative to go to the work site and issue the permit. The personnel and equipment used for welding and cutting operations shall be at the work site when the Post Fire Department representative goes to issue the permit. A copy of each permit shall be retained at the project site, until work for which the permit was issued is completed. The Contractor or Subcontractor shall provide required equipment, materials, shields, extinguishers, sand, and other devices at each location where work of the type requiring a permit is conducted. The Contractor's personnel shall comply with the requirements of the Post Fire Prevention Standards and the Fire Chief. Permit samples and contact information will be provided for each task- order. For issuance of the Hot Work Permits, contact 915-543-0019.

4.49.1. Contractor shall abide by NFPA 101 Life Safety Code and NFPA 241 Standard for Safeguarding Construction, Alteration, and Demolition Operations at all times during construction.

4.50. Organizational Chart. A chart showing the Contractor's organizational structure. Submit within 14 calendar days after award.

4.51. Quality Control Plan. Provide a Construction QC Plan that includes a table of contents, with major sections identified, with pages numbered sequentially, and that documents the proposed methods and responsibilities for accomplishing quality control during the construction of the project:

a. QC Organization: A chart showing the QC organizational structure.
b. Names and Qualifications: Names and qualifications, in resume format, for each person in the QC organization. Include the "Construction Quality Management for Contractors" course certifications and any other required herein for the QC Manager and Alternate QC Manager.
c. Duties Responsibility and Authority of QC Personnel: Duties, responsibilities, and authorities of each person in the QC organization.
d. Appointment Letters: Letters signed by an officer of the firm appointing the QC Manager and Alternate QC Manager and stating that they are responsible for implementing and managing the QC program as described in this Contract. Include in this letter the responsibility of the QC Manager and Alternate QC Manager and their authority to stop work which is not in compliance with the Contract. Letters of direction are to be issued by the QC Manager to all other QC Specialists outlining their duties, authorities, and responsibilities. Include copies of the letters in the QC Plan.
e. Submittal Procedures and Initial Submittal Register: Procedures for reviewing, approving, and managing submittals. Provide the name(s) of the person(s) in the QC organization authorized to review and certify submittals prior to approval.
f. Testing Laboratory Information: Testing laboratory information as required by specifications.
g. Testing Plan and Log: A Testing Plan and Log that includes the tests required, referenced by the specification paragraph number requiring the test, the frequency, and the person responsible for each test.
h. Procedures to Complete Rework Items: Procedures to identify, record, track, and complete rework items.
i. List of Definable Features: A Definable Feature of Work (DFOW) is a task that is separate and distinct from other tasks and has control requirements and work crews unique to that task. A DFOW is identified by different trades or disciplines and is an item or activity on the construction schedule. Include in the list of DFOWs, but not be limited to, all critical path activities. Include all activities for which this specification requires QC Specialists or specialty inspection personnel.
j. Procedures for Completion Inspection: Procedures for identifying and documenting the completion inspection process. Include in these procedures the party responsible for punch out inspection, pre-final inspection, and final acceptance inspection.
k. Training Procedures and Training Log: Procedures for coordinating and documenting the training of personnel required by the Contract.
l. Organization and Personnel Certifications: Procedures for coordinating, tracking and documenting all certifications on Subcontractors, testing laboratories, suppliers, personnel, etc. QC Manager will ensure that certifications are current, appropriate for the work being performed, and will not lapse during any period of the contract that the work is being performed.

4.51.1. Acceptance of the QC Plan is required prior to the start of construction. The Contracting Officer reserves the right to require changes in the QC Plan and operations as necessary, including removal of personnel, to ensure the specified quality of work. The Contracting Officer reserves the right to interview any member of the QC organization at any time in order to verify the submitted qualifications. All QC organization personnel are subject to acceptance by the Contracting Officer. The Contracting Officer may require the removal of any individual for non-compliance with quality requirements specified in the Contract.

4.52. Site Clearance and Line Markings (SCLM) Permit. Construction projects which require any type of disturbance of the soil must obtain an approved SCLM request prior to construction. Prior to submission,

the Contractor shall create a portfolio with all the SCLM requirements. All costs for repair when the Contractor accidently hits the line shall be covered at no cost to the Government and temporary utilities required due to disruption of service shall be borne by the Contractor.

4.53. Staging and Laydown Plan. Procedures for staging equipment shall be coordinated with DPW COR prior to the initiation of work. Staging and laydown area is typically provided as a portion of the construction footprint. If the Contractor requires space in addition to or outside of the provided footprint, the Contractor shall submit a Staging and Laydown Plan with the applicable permit request documentation. Plan shall include but limited to concrete washdown area (if required), equipment, material, portable bathrooms, and wash stations locations.

4.54. Storm Water Pollution Prevention Plan (SWPPP). Reference Environmental Section.

4.55. Submittal Register. Submittal register shall show every pre-construction submittal, material submittals, closing submittals required per project. No submittal will be approved and construction shall not commence until the submittal register has been reviewed and approved.

4.56. Traffic Control Plan (TCP). A TCP concept is provided as an attachment per task order; however, the Contractor is still responsible for the submission and approval of a TCP plan. The Contractor shall coordinate the TCP plan with the Directorate of Public Works (DPW) and the Department of Emergencies Services (DES), Directorate of Plans Training Mobilization and Security (DPTMS), Balfour Beatty Communities (BBC), Fort Bliss Safety Office and impacted facilities. Submit revised plans for future phases of construction a minimum of 30 days before start of that construction phase to allow review and resubmittal, if necessary, and public notification. Do not begin construction on any given phase before receiving written acceptance. Failure to submit the traffic control plans within the specified time frames will not be justification for additional working days. Failure to adequately address comments in any required resubmittal also will not justify additional working days. Reference the Traffic Control attachment. All Traffic signs and traffic control devices shall comply with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). Contractor shall provide, install and maintain all required Traffic Control Devices during the prosecution of all work shown in the drawings. Traffic Control shall allow for two-way traffic to continue. When traffic must be rerouted or controlled to accomplish the work, provide necessary warning signs, flag persons, and related equipment for the safe passage of vehicles. Contractor shall notify the KO five (5) working days in advance before any demolition work is started to ensure traffic control measures are adequate and coordination is accomplished with other activities on the installation in a timely manner. Notify DES Dispatch of any lane closures when project starts at 915-744-9311.

4.57. Training and Certification Documentation Requirements. Documents to be resubmitted with each contract option year and change in key personnel. Documents to be provided with submittals and with any change in key personnel.

4.58. Testing Certification. Contractor shall provide a private testing firm having personnel certified according to National Institute for Certification in Engineering Technologies (NICET). The testing for this type of contract will require personnel certified in Aggregate Field Tester (AGF), Aggregate Lab Technician (AGL), ACI Concrete Field-Testing Technician (AF), Nuclear Moisture Density Gauge Tester (NUC) and Hardened Concrete Properties (HCP). Only persons certified in the appropriate classifications covering the specific tests required shall perform such testing.

4.59. Explosive Ordinance Training. This training will be conducted by the Range Office in the event that the

Contractor needs to have access to the ranges.

4.60. Airfield Training. This training will be required if Contractor requires access to the airfield and it will be provided by the Airfield Office. For training contact the Airfield Safety Officer at 915-744-8088.

4.61. OSHA Training for Construction. Contractor shall provide 40-hour training per year on OSHA for Construction to identify common worksite hazards. Training includes, but is not limited to: OSHA Inspection Procedures, Safety and Health Programs, Hazard Communication, Exit Routes, Emergency Action Plans and Fire Prevention, Fire Detection and Protection, Electrical, Flammable and Combustible Liquids, Machine Guarding, Working Surfaces, Welding, Material Handling, Ergonomic, Industrial Hygiene, and Trenching. In addition, Contractor shall follow the latest version of the Safety & Health Requirements Manual (EM 385-1-1). Proof of training for personnel shall be submitted with the Safety Plan to the COR and KO.

4.62. Construction Progress Deliverables Package. To receive progress payments, the Contractor shall provide the following but not limited to (See specifications for additional submittals):

a. 52.222-8 Payrolls and Basic Records
b. Daily Logs
c. Field Reports and Lab Reports Manufacturer Instructions Material Delivery Documents
d. Material Submittal Form Meeting Minutes and Agenda Product Data
e. Shop Drawings

4.63. Daily Logs. The Contractor shall submit daily logs no longer than 7 days after they are created. Documents shall include but not limited to Creator Name, Project Name, Date, Work Order, Project Number, Location, Weather Description and Temperature, Ground Conditions, Number of workers, List of Materials Delivered, Tests Conducted on site with Pictures, Visitors on Site, Activity/CLIN on site, and Safety Incidents.

4.64. Field Test Reports and Lab Tests. The Contractor shall, without additional expense to the Government, be responsible for testing performed, including but not limited to testing, labs, materials cost, and related services. All testing and lab cost shall be incorporated in the negotiated line items in accordance with the specifications included in the Paving IDIQ Contract. Submit electronic copies of field test reports and lab results, within 48 hours after completion unless noted otherwise.

4.65. Manufacturer Instructions. See Specifications.

4.66. Material Delivery Document. See Specifications.

4.67. Material Submittal Form. See Specifications.

4.68. Meeting Minutes and Agenda. Minutes of any meeting related to this Contract will be prepared by the QC Manager. A copy of the signed meeting minutes will be provided to all attendees.

4.69. Product Data. Documents shall be delivered as requested in specifications.

4.70. Shop Drawings. As specified in specifications or task order.

4.71. Close-out Deliverables Package. Ensure that all documents submitted to government include the facility number and work order element. Failure by the Contractor to submit close-out deliverable package IAW

these requirements shall result in withholding from progress payments ten (10) percent of the progress payment.

a. As-built Drawings.
b. Checklist for DD FORM 1354
c. Certification of Asbestos Free Construction.
d. C&D Waste Management Report
e. Installed Property List.
f. Interim DD FORM 1354, Transfer and Acceptance of Military Real Property Form
g. O&M Manuals & LEED notebook
h. Photographic Record
i. Verification memo stating there's no asbestos containing materials were employed on this contract
j. Warranty Certificate(s) and Documentation (PDF). Provide these documents before the final inspection.

4.72. As-built Drawings. The drawings shall have a standard title block "RECORD AS-BUILT" dated with the final inspection acceptance, which will be provided by the Government electronically or by DoD SAFE.

4.72.1. Project Record Documents. Drawings showing final as-built conditions of the project. This paragraph covers record drawings completed as a requirement of the contract. The terms drawings, contract drawings, drawing files, working record drawings, and final record drawings refer to contract drawings which are revised to be used for final record drawings showing as-built conditions. The final CADD-Micro Station record drawings shall consist of one (1) set of electronic file in the specified format, one (1) electronic PDF format, and one (1) set of black-ink printable mylar 3 mil engineering film hardcopy record drawings in 24" x 36" size.

4.72.2. Preliminary Record Drawings. The Contractor shall mark-up both a reproducible set and a set of print to show as-built conditions. This one (1) set, hereinafter called preliminary record drawings, reproducible in paper printout 24" x 36" prints shall be kept current and available on-site at all times, except as noted below. The Contractor shall assign a member of the Contractor's QC to be responsible for the maintenance and currency of the preliminary record drawings. This assignment and any reassignment of duties concerning the maintenance of the record drawings shall be promptly reported to the KO for approval. All changes from the TO drawings made in the work, or additional information which might be uncovered in the course of construction, including uncharted utilities, shall be accurately and neatly recorded as they occur by means of details and notes. The Contractor shall clearly identify all changes and required additions to the preliminary record drawings in a contrasting color that is compatible with reproduction of the preliminary record drawings. The preliminary record drawings will be jointly inspected for accuracy and completeness by the COR and the assigned Representative of the Contractor's QC prior to submission of each monthly pay estimate. See paragraph, *Withholding for Preliminary Record Drawings* for additional information. The record drawings shall show, at a minimum, the following:

4.72.3. The location and description of utility lines or other installation of any kind or description known to or found to exist within the construction area. The location of exterior utilities includes actual measured horizontal distances from utilities to permanent facilities or features. These measurements shall be within an accurate range of six (6) inches (or 16 centimeters) and shall be shown at sufficient points to permit easy location of utilities for future maintenance purposes. Show measurements for all change of direction points and all surface or underground components such as valves, manholes, drop inlets, cleanouts, and meters. Indicate the general depth range of each underground utility line e.g., three (3) to four (4) feet in depth. The description of exterior utilities includes the actual quantity, size, and material of utility lines.

4.72.4. The location and size of all uncharted existing utilities encountered.

4.72.5. The location and dimensions of any changes within the building or structure.

4.72.6. Correct grade or alignment of roads, structures or utilities if any changes were made from TO drawings.

4.72.7. Correct elevations if changes were made in site grading.

4.72.8. Changes in design or additional information obtained from working drawings specified to be prepared and furnished by the Contractor include, but are not limited to fabrication, installation, plans and placing details, pipe sizes, insulation material, and dimensions of equipment foundations.

4.72.9. The topography and grades of all drainage installed or affected as a part of the project construction.

4.72.10. If TO drawings or specifications allow options, only the option selected for construction shall be shown on the record drawings.

4.72.11. Black-line prints shall be full size. All black line prints shall exhibit good readable print with clear, sharp, dark lines, and shall not be smeared, faded, double imaged, or have torn or ragged edges.

4.72.12. Preliminary Record Drawing Final Submission. Prior to scheduling the final acceptance inspection of the last or only bid schedule item of work, the updated preliminary marked-up record drawings and the updated as-built CADD drawing files shall be completed and delivered to the COR for review and approval. Upon review, if the drawings or files are found to contain errors or omissions, they will be returned to the Contractor. Failure of the Contractor to make timely delivery of the preliminary record drawings and files on any items of work shall be cause for the Government to delay substantial completion and to withhold the amount indicated in paragraph Withholding for Preliminary Record Drawings, IAW the terms and conditions of the contract.

4.73. Certification of Asbestos Free Construction. See Environmental Section.

4.74. Construction and Demolition (C&D) Waste Management. See Environmental Section.

4.75. Warranty Certificate. A materials warranty is required for the work performed. The Contractor shall provide to COR and KO, a manufacturer's warranty certificate. In addition to the warranty certificate(s), Contractor shall submit a documentation letter that summarizes the warranty, the start & end date of warranty, contract number, and Contractor's contact information.

4.75.1. In addition to any other warranties in this contract, the Contractor warrants that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or workmanship performed by the Contractor or any Subcontractor or supplies at any tier.

4.75.2. Performance Agreement. The Contractor shall provide one (1) year performance agreement for labor and material in addition to the manufacturer's warranty for all work performed. If the Government takes possession of any part of the work before final acceptance, this warranty shall continue for a period of one (1) year from the date that the Government takes possession. The KO will notify the Contractor, in writing, within twenty-four (24) hours after the discovery of any failure, defect or damage. If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the Government will have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense. If the Government determines its an emergency, Contractor shall be required to arrest withing 24 hours and complete work within 72 hours. Urgent 7 days unurgent 14 days maximum.

4.75.3. Construction Warranty Management Plan. One (1) PDF set of the construction warranty management

plan shall be provided to COR and KO, containing information relevant to the warranty of materials and equipment incorporated into the construction project, including the starting date of warranty of construction. The plan shall be in narrative form and contain sufficient detail to render it suitable for use by future maintenance and repair personnel, whether tradesmen, or of engineering background, not necessary familiar with this contract. The plan shall be assembled in a binder and shall be turned over to the Government as discussed in the closeout meeting. The construction warranty period shall begin on the date of project acceptance and shall continue for the full product warranty period.

4.75.4. In addition to any other warranties in this contract, the Contractor warrants, except as provided in paragraph 1 of contract clause FAR 52.246-21, that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or workmanship performed by the Contractor or any Subcontractor or supplies at any tier.

4.75.5. This warranty shall continue for a period of one (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 one (1) year from the date that the Government takes possession.

4.76. DD Form 1354. A DD Form 1354 will be required for the transfer and acceptance of accountability of a newly constructed real property asset or an improvement to a real property asset. For additional guidance see UFC 1-300-08 Criteria for Transfer and Acceptance. Contractor shall submit Draft DD Form 1354 30 and Interim/Final fourteen (14) days prior to Close-out.

4.77. Photographic Record Requirements. Contractor shall furnish a photographic record of each project (task order). Photographs shall capture the area of work and elements in its entirety, being affected by scope. The photographic records shall document existing conditions, initial construction area, features of work, sequence and progress of construction, and final product with site condition. A digital file of the photo records shall be maintained on site by the Contractor. Photographs shall be provided to COR upon request, weekly, and no less than fifteen (15) days before completion of work.

4.78. Description of Bid Items.

4.78.1. General Requirements. Costs for all general requirements of the proposed construction contract shall be included in each bid item. The Contractor's costs for each bid item are expected to include furnishing all labor, materials, equipment, insurance, bond, administrative, supervisory, scheduling, quality control, incidental services, support operations, temporary facilities and controls, temporary utilities, safety measures, SCLM, control of ground water and surface water, site preparation (mobilization and demobilization), construction layout, dust control, removal and off post disposal of materials and debris, clean up and site restoration, and providing all necessary traffic control barriers, delineators, signs, manpower, and related items to maintain the approved traffic control plan as required by the contract documents to perform all work for the full completion of each bid item incorporated into the contract for this project. Any item required for construction of a task order that is not shown on the bid form is considered incidental and shall be included in the unit price bid for the item to which it most closely pertains. The Contractor shall fill out Bid Schedule_PAVE_FE 10011 0J_Paving IDIQ Contract FYXX and submit as part of their bid.

4.78.2. Further, the costs are expected to include, but are not limited to, Personal Protective Equipment (PPE), furnishing off post facilities for offices; for delivery, storage, laydown, and staging areas for construction materials and equipment; and parking space for employees, Subcontractors, and vendors. It also includes all requirements for the necessary safeguards and protection of persons from danger within and near the work areas.

4.78.3. All work required to complete the contract bid items will be performed in accordance with all

specifications, plan details, applicable codes and standards, and manufacturer's recommended procedures unless specified otherwise in this contract document or in the task order statement of work.

4.78.4. Line Items. The following is a brief description of the proposed construction bid items to assist in making clear the actual scope of the work within each one, including specific work elements that are part of the item and identification of other related work. The Contractor shall provide all required equipment to meet the requirements under this contract to include but not limited to:

4.78.5. General Conditions:

a. Haul and dispose of debris. This bid item consists of loading, hauling, and disposal off Government property.
b. Clear and Grubbing. This bid item consists of clearing, grubbing, removal and disposing of vegetation and debris within the limits of the project area.

4.78.6. Earthwork:

a. Excavation. This bid item consists of general site excavation within the limits of construction.
b. Fill Material (Borrow Pit). This bid item consists of loading, hauling, and backfilling excavated areas with materials from Government stockpiles. This item also includes compaction of the backfilled materials.
c. Prepare and Roll Sub-base, up to 8" depth. This bid item consists of grading and compacting existing sub-base.
d. Base Course Material, 4" and 6" depth. This bid item consists of grading and compacting base course material on the indicated location. Also, these line items might be increased up to 12" depending on the requirements of the project.
e. Re-compact existing Base, up to 6" depth. This bid item consists of grading and compacting existing base material, up to 6" depth.
f. Finish Grading. This bid item consists of shaping and compacting an existing aggregate surface. Shaping and compacting shall continue until the surface conforms to the required section and is free from ruts and waves.

4.78.7. Concrete:

a. Demolish reinforced concrete. This bid item consists of removing reinforced concrete pavement including but not limited to pavement, sidewalks, rip rap, concrete flumes, curb and gutter.
b. Saw-cut reinforced, concrete slab up to 4" depth. This bid item consists of saw cuts in existing concrete pavements for streets, driveways, walkways, and other slabs where portions need to be removed because of damage or because of access for other work to be done. Please note that this item might increase in increments of 4" up to 16" depth.
c. 4" Reinforced concrete sidewalk. This bid item consists of constructing reinforced Portland cement concrete walks and incidental paving slabs. This line item includes all side form, reinforcing wire mesh and supports, expansion joint materials, control joints, curing, and finishing.
d. Portland cement Concrete Pavement 8" thick, f'c= 4,000 PSI. This item consists of constructing concrete pavement or for 8" thickness. Please note that this line item might increase up to 12". This item includes all side forms, reinforcing steel and support, dowels for curbs, expansion joint materials, control joints, finishing, and curing.
e. Re-enforcing steel. This bid item consists of providing different reinforcing steel bars for

concrete pavement, curb and gutter, and other incidental work.

f. Curb & Gutter concrete. This bid item consists of constructing curb and gutter. Please note that this line item includes side forms, expansion joint material, and control joints, finishing, and curing.

4.78.8. Paving Asphalt:

a. Demolish – Asphalt Pavement < = 3" thick. This bid item consists of removing existing asphaltic pavements for streets, driveways, walkways, and other locations.
b. Saw-cut Asphalt up to 3" depth. This bid item consists of saw cuts in existing asphalt pavements for streets, driveways, and other locations where portions need to be removed because of damage or because of access for other work to be done.
c. Install 2" deep HMAC, Type "B", "C", or "D". This bid item consists of placement and compaction of asphalt material at the thickness specified. This item might be increased in thickness up to 4" inches. Please note that tack coat and base material are not included in this item.
d. Overlay HMAC 1" to 2" Type "B", "C", or "D". This bid item consists of one or more courses of asphalt placed over existing pavement. This process of overlaying includes cleaning, leveling, and application of tack coat.
e. Cold milling 1" to 1-1/2" deep Asphaltic Pavement. This bid item consists of the removal of a part of the upper asphalt layer on different surface, not limited to road, bridge, sidewalk, and parking lots.
f. Heater Scarifying of Bituminous (1-1/2" depth). This bid item consists of softening the existing flexible pavement with heat a thoroughly stirring, spinning or tumbling the mixture, applying an asphalt plasticizing or softening agent, reshaping and compacting the scarified surface. Installing a surface treatment or overlay is a separate line item.
g. Asphalt Patching. This bid item consists of removing and reinstalling any damaged asphalt section, compacting existing base, and install 2" of asphalt pavement.
h. Pavement Slurry Sealer – (one coat). This bid item consists of a mixture of approved emulsified asphalt, mineral aggregate, water, and additives, proportioned, mixed and uniformly spread over a properly prepared surface as specified. The completed slurry seal shall leave a homogeneous mat, adhere firmly to the prepared surface, and have a friction-resistant surface texture throughout its service life. This item also includes preparing the surface, rolling, and testing. If crack repairs are required, they will be covered under other bid items.
i. Sealcoating, 2 coat coal tar pitch emulsion. This bid item consists of a mixture of approved emulsified asphalt, mineral aggregate, water, and additives, proportioned, mixed and uniformly spread over a properly prepared surface as specified. The complete sealcoating shall leave a homogeneous coat, adhere firmly to the prepared surface. This item also includes preparing surface.
j. Sealant for Cracked Asphalt. This bid item consists of cleaning and sealing longitudinal, diagonal, and transverse cracks in asphalt pavements.

4.78.9. Storm Drain Systems:

a. Corrugated Metal Pipe, Galvanized (16 ga.) and RCP Pipe (Class III). These bid items consist of excavating, installing, and backfilling the specified size and type of pipe in satisfactory soil conditions up to 8 feet deep. These items also include bedding, working table (when required), joint wrap, cleaning, sheeting and bracing required for installation of pipes. Excavations over 6 feet deep and replacement of unsatisfactory soils will be covered under other bid items.

b. Concrete Box Culvert. This bid item consists of excavating, installing, and backfilling the specified size and type of box culvert in satisfactory soil conditions. These items also include bedding, working table (when required), joint wrap, cleaning, trench protection if required for installation of culverts. Replacement of unsatisfactory soils is not included in this item.
c. Concrete Flume. This bid item consists of constructing cast-in-place concrete drainage structures not included on other bid item. This bid item includes excavation, stabilizing sub-grade, forms, reinforcing steel, concrete, finishing, curing, and testing.
d. Rip-Rap. These bid items consist of furnishing and installing stone blocks, generally in cubic form. It includes any excavation required and preparation of the sub-grade for placing the riprap to slopes, lines, and grades as shown on the drawings or specified in the statement of work.
e. Demolish Storm Drainpipe. These bid items consist of excavating, removal of the pipe, loading and hauling, disposal off Government property, and backfill of the resulting excavation utilizing available soil material in the area of the work. Excavations over 6 feet deep and replacement of unsatisfactory soils are not included in this item.

4.78.10. Miscellaneous:

a. Topographic Survey. This bid item consists of the surveys of a survey crew for new pavement, sidewalks, flumes, finish grading, and landscape. It will include all equipment, labor and equipment necessary to do surveys in the field. Survey information provided shall include but not be limited to: field book data, site maps, cross sections and elevations. General construction surveying, such as layout and grade work, shall be included in the appropriate work items.
b. Geotechnical Test. This bid item consists of providing engineering reports of the samples obtained in the field. Geotechnical reports shall include but not be limited to: density test, proctor, compressive strength of cylinders, slump test, sieve analysis, Marshall Density, bulk specific gravity, and asphalt core measurement.
c. Traffic Control Plan. This bid item consists of providing a traffic control plan. This item includes coordinating with the DPW Project Manager and government stakeholders and addressing concerns. This bid item shall be used upon the Government's request in the task order.
d. Erosion Control. This bid item consists of providing, maintaining, and removing erosion control materials during construction. The SWPPP will be provided with the proposed drawings, and it will be needed based on the Environmental requirements.
e. Reflectorized Thermoplastic Markings. These bid items consist of the installation of reflective thermoplastic pavement markings for the area identified and color specified by the particular line item.
f. Painted Pavement Markings. These bid items consist of the installation of reflective painted pavement markings for the area identified and color specified by the particular line item.
g. Traffic Sign and Post. These bid items consist of the installation of traffic signs and posts, all hardware, breakaway base, and post foundation. These items also include excavation, backfill, and compaction of post holes. Posts shall be 2" tubular steel type. Traffic signs shall be any listed in MUTCD Table 5A-1 and not listed as another bid item.
h. New Solar-Power Pedestrian Crosswalk Signage. This bid item consists of the installation of solar-powered crosswalk signage equipped with rectangular rapid- flashing beacons. Includes all hardware, breakaway base, and post foundation. This item also includes excavation, backfill, and compaction of post holes and push button activation installation. This item consists of both signs and beacons for a complete and usable installation.
i. Concrete Stops. This bid item consists of the installation of a new precast wheel stop and steel anchors.

j. Remove Chain link fence. This bid item consists of removal of up to 7' fabric height of chain link, hardware, removal of foundation, and fill material from borrow pit. Exact height will be specified in Task Order.
k. Chain Link Fence. This bid item consists of the installation of up to 7' fabric height of chain link security fencing, barb wire, hardware, excavation, foundation, and posts.

4.78.11. Exact height will be specified in Task Order.

a. Security Fence Gate. This bid item is for installation of a chain link security gate in conjunction with security fence installation.
b. Vehicle Guard Rail. This bid item consists of constructing a Class A, Type 2 steel beam highway guardrail system including posts, post foundations, safety end treatments, and providing cut-outs on existing concrete when required, and drilling of holes and backfilling for installation.

4.78.12. Electrical System:

a. Lighting Poles. This bid item consists of proving a lighting system for road, parking lots, sidewalks, and parks. The system will include proving connection to generators, cabling, conducts, break-away, foundation, lights, and pole. The specific dimensions and specifications will vary depending on each task order.

5. DEFINITIONS & ACRONYMS.

5.1. Definitions. Federal Acquisition Regulation (FAR), Dictionary of US Army Terms, AR 310- 25 and Authorized Abbreviations and Brevity Code, AR 310-50, are the references for definitions and acronyms not listed below.

5.2. Contract Administrator. The official Government representative delegated authority by the KO to administer a contract. This individual is normally a member of the appropriate Contracting/Procurement career field and advises on all technical contractual matters.

5.3. Contractor. A supplier or vendor awarded a contract to provide specific supplies or services to the Government. The term used in this contract refers to the prime Contractor.

5.4. Contracting Officer (KO). A person with authority to enter into, administer, and/or terminate contracts, and make related determinations and findings on behalf of the Government. Note: The only individual who can legally bind the Government.

5.5. Contracting Officer's Representative (COR). An employee of the U.S. Government appointed by the KO to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has the authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.

5.6. Controlled Area. A controlled space extending upward and outward from a specified point. This area is typically designated by a commander or director, in which sensitive information or operations occur and require limitations of access.

5.7. Deliverable. Quantifiable goods or services that will be provided as specified in the contract. Deliverables can be tangible or intangible items as a portion or part of the development process, function, or characteristic of a project; may include non- manufactured things such as, photographs, meeting minutes and/or reports.

5.8. Physical Security. Actions that prevent the loss or damage of Government property.

5.9. Quality Assurance Surveillance Plan (QASP). An organized written document specifying the surveillance methodology to be used for surveillance of Contractor performance.

5.10. Quality Control. All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

5.11. Subcontractor. One that enters into a contract with a prime Contractor. The Government does not have privity or a direct contractual relationship with any Subcontractor performing under this contract.

5.12. Workday. The number of hours per day the Contractor provides services IAW the contract.

5.13. Work Week. Monday through Friday, except for Federal holidays unless specified otherwise.

6. ACRONYMS.

AASHTO: American Association of State Highway and Transportation Officials
ADA: American with Disabilities Act
AFARS: Army Federal Acquisition Regulation Supplement
APM: Alternate Project Manager
ANSI: American National Standards Institute
AR: Army Regulation
ASTM: American Society for Testing and Materials
AT: Antiterrorism
CA: Corrective Action
CAC: Common Access Card
CAR: Corrective Action Request
CFR: Code of Federal Regulations
COR: Contracting Officer Representative
CQC: Contractor Quality Control
CRM: Cultural Resource Manager
ED: Environmental Division
QCM: Construction Quality Control Manager
DA: Department of the Army
DFARS: Defense Federal Acquisition Regulation Supplement
DOD: Department of Defense
DPW: Directorate of Public Works
FAA: Federal Aviation Administration
FAR: Federal Acquisition Regulation
FPCON: Force Protection Condition
GIS: Geographic Information System
IAW: In Accordance With
IAQ: Indoor Air Quality
ICC IBC: International Code Council International Building Code
IDIQ: Indefinite Delivery Indefinite Quantity
JER: Joint Ethics Regulations
KO: Contracting Officer
KTR: Contractor
KS: Contract Specialist
MUTCD: Manual of Uniform Traffic Control Devices
NEC: National Electric Code
NFPA: National Fire Protection Association
NHPA: National Historic Preservation Act
NMDOT: New Mexico Department of Transportation
NTP: Notice to Proceed
OPSEC: Operation Security
OSHA: Occupational Safety and Health Administration
POC: Point of Contact
RFI: Request for Information
QA: Quality Assurance
QASP: Quality Assurance Surveillance Plan

QC: Quality Control
SCLM: Site Clearance and Line Markings
SSHO: Site Safety and Health Officer
SOW: Statement of Work
TO: Task Order
TXDOT: Texas Department of Transportation
USACE: United States Army Corps of Engineers
UFGS: Unified Facilities Guide Specifications

7. APPLICABLE PUBLICATIONS.

7.1. The Contractor (to include Subcontractors) shall abide by all, and most current applicable state and federal regulations, specifications, publications, manuals, local policies and procedures involving architectural, civil, structural, electrical, environmental, and mechanical disciplines associated with the design and construction of a specific project.

7.2. The following list is an overview of typical publications used for this contract, not inclusive:

k. American National Standards Institute (ANSI), https://www.ansi.org/
- A10.6 Safety & Health Program Requirements for Demolition Operations

l. American Society for Testing and Materials (ASTM), https://www.astm.org/
- Section: 1 Iron and Steel Products
- Section: 2 Nonferrous Metal Products
- Section: 3 Metals Test Methods and Analytical Procedures
- Section: 4 Construction
  - 04.01 Concrete and Aggregates
  - 04.03 Road and Paving Materials
  - 04.07 Building Seals and Sealants; Fire Standards.
  - 04.10 Wood
  - 04.11 Building Constructions (I)
  - 04.12 Building Constructions (II) Underground Utilities

m. Army Regulations (AR), http://www.army.pubs.army.mil
- AR 190-13, The Army Physical Security
- AR 200-4, Cultural Resource Management
- AR 385-10, The Army Safety Program
- AR-420-47, Solid & Hazardous Waste Management
- AR 530-1, Operations Security
- DA Pam 385-40, Army Accident Investigations and Reporting
- Army Publications/Forms Content Search, https://armypubs.army.mil/ProductMaps/PubForm/ContentSearch.aspx?q=AR+200-4&em=False&ptype=0&prop=0&ff=0

n. Americans with Disabilities Act www.ada.gov

o. American Association of State Highway and Transportation Officials (AASHTO)
- A Policy on Geometric Design of Highways and Streets
- Guide for Design of Pavement Structures (GDPS-4-M)
- Roadside Design Guide
- Mechanistic-Empirical Pavement Design Guide
- Guide for the Planning, Design, and Operation of Pedestrian Facilities
- Highway Safety Manual

p. Asphalt Institute Handbook (AI)

q. Code of Federal Regulations, www.ecfr.gov
- 14 CFR 14 77.9, Safe, Efficient Use, and Preservation of the Navigable Airspace.
- 29 CFR 1904, Recording and Reporting Occupational Injuries and Illnesses
- 29 CFR 1910, Occupational Safety and Health Standards
- 29 CFR 1926, Safety and Health Regulations for Construction
- 36 CFR 60, National Register of Historic Places
- 36 CFR 67 The Secretary of the Interior's Standards for Rehabilitation
- 36 CFR 68 The Secretary of the Interior's Standards for the Treatment of Historic Properties
- 36 CFR 269 Protection of Archaeological Resources
- 36 CFR 800, Protection of Historic Properties
- 40 CFR 61, National Emission Standards For Hazardous Air Pollutants (NESHAP)

- Subpart M, Standard for Asbestos (§§ 61.140 - 61.157)
- Subpart R, T, W - Standard for Radon Emissions (§§ 61.200 - 61.226)
- Subpart J, V - Standard for Equipment Leaks (Fugitive Emission Sources) (§§ 61.110 - 61.112) & (§§ 61.240 - 61.247)
- Subpart Y, BB, FF - Standards for Benzene Emissions

o 40 CFR Chapter I, Subchapter R – Toxic Substances Control Act
- Part 716 - Health And Safety Data Reporting (§§ 716.1 - 716.120)
- Part 745 - Lead-Based Paint Poisoning Prevention In Certain Residential Structures (§§ 745.61 - 745.339)
- Part 763 - Asbestos (§§ 763.80 - 763.179)
- Part 770 - Formaldehyde Standards For Composite Wood Products (§§ 770.1 - 770.99)

o 48 CFR 36 Construction and Architect-Engineer Contracts

r. Design and Control of Concrete Mixtures (PCA)

s. DoD 5200.08-R, Physical Security Program, http://www.cac.mil/

t. Highway Capacity Manual (HCM)

u. Installation Design Guide 2009

v. International Code Council (ICC) Codes, https://www.icuperintendentafe.org/
- o International Building Code (IBC)
- o International Existing Building Code (IEBC)
- o International Energy Conservation Code (IECC)
- o International Fire Code (IFC)
- o International Fuel Gas Code (IFGC)
- o International Mechanical Code (IMC)
- o International Plumbing Code (IPC)

w. Manual of Uniform Traffic Control Devices

x. National Fire Protection Association (NFPA) Codes, http://www.nfpa.org/
- o 1, Fire Code
- o 10, Standard for Portable Fire Extinguishers
- o 41, Standard for Safeguarding Construction, Alteration, and Demolition Operations
- o 70, National Electric Code (NEC)
- o 101, Life Safety Code
- o 5000, Building Construction and Safety Code

y. The Association for Materials Protection and Performance, (AMPP). http://www.sspc.org/

z. Texas Administrative Code, Title 25, Part 1, Chapter 295, Subchapter C, Texas Asbestos Health Protection, http://texreg.sos.state.tx.us/public/readtac$ext.viewtac

aa. Texas Department of Transportation (TXDOT) Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges, https://www.txdot.gov/business/resources/txdot-specifications.html

bb. New Mexico Department of Transportation (NMDOT), https://dot.state.nm.us/content/dam/nmdot/Plans_Spec_Estimates/2019_Spec.pdf

cc. Unified Facilities Guide Specifications (UFGS), https://www.wbdg.org/ffc/dod/unified- facilities-guide-specifications-ufgs

dd. Unified Facilities Criteria (UFC), https://www.wbdg.org/
- o UFC 1-300-08, Criteria for Transfer and Acceptance of DoD Real Property
- o UFC 3-100: Architecture and Interior Design
- o UFC 3-201-01 Civil Engineering
- o UFC 3-201-02 Landscape Architecture
- o UFC 3-220-01 Geotechnical Engineering
- o UFC 3-250-01 Pavement Design for Roads and Parking Areas
- o UFC 3-220-04FA Backfill for Subsurface Structures
- o UFC 3-250-03 Standard Practice Manual for Flexible Pavements
- o UFC 3-250-06 Repair of Rigid Pavements Using Epoxy Resin Grouts, Mortars and Concretes

- UFC 3-250-07 Standard Practice for Pavement Recycling
- UFC 3-250-08FA Standard Practice for Sealing Joints and Cracks in Rigid and Flexible Pavements
- UFC 3-250-11 Soil Stabilization for Pavements
- UFC 3-270-01 Asphalt and Concrete Pavement Maintenance and Repair
- UFC 3-270-04 Concrete Repair
- UFC 3-270-01 O&M Manual Asphalt and Concrete Pavement Maintenance and Repair
- UFC 3-300: Structural and Seismic Design
- UFC 3-400: Mechanical
- UFC 3-500: Electrical
- UFC 3-530-01 Interior and Exterior Lighting Systems and Controls
- UFC 3-550-01 Exterior Electrical Power Distribution
- UFC 3-580-01: Telecommunications Interior Infrastructure Planning and Design
- UFC 3.600: Fire Protection
- UFC 4-022-03 Security Fences and Gates
- USACE Safety and Health Requirements Manual, EM 385-1-1, https://www.publications.usace.army.mil/portals/76/publications/engineermanuals/em_385-1-1.pdf
- United States Department of Transportation's Federal Highway Administration (FHWA)