BASIC CONTRACT

STATEMENT OF WORK

For

MPLS26XXXSR

REPAIR ROAD AND DRAINAGE ON CARSWELL

PHASE III

JOINT BASE SAN ANTONIO – LACKLAND, TX

REGIONAL ENGINEERING AND CONSTRUCTION CONTRACT (RE&C)

CENTRAL REGION

1.0 SCOPE

This Basic Contract Statement of Work (SOW) defines the scope of a full range of reconstruction and engineering activities necessary to meet Air Force and other customer requirements for the Regional Engineering and Construction Contract (RE&C). This basic contract SOW will be tailored to identify specific requirements at the Task Order (TO) level. SOWs or Statements of Requirements (SOR) may be used under this contract at the TO level. Projects will be located at JBSA Lackland location within the United States.

This SOW is organized and developed to provide maximum flexibility in the use of this contract vehicle, basic requirements. This includes design package which has all three Phases of the project. However, PHASE 3 is the Base Bid and will be constructed.

General performance requirements for construction activities are described throughout this SOW.

This TO will be issued for Construction Phase III as determined by the Government.

Requirements include efficient management of this TO including, but not limited to, the submission of accurate, on-time, quality contract deliverables and timely identification and solution of impediments to successful project execution. Technical requirements include, but are not limited to the development of the most cost-effective and technically sound approach or solution. The Government will rely on the contractor's expertise in recognizing and addressing problematic issues and successful execution of each TO. The contractor shall perform all work in accordance with Unified Facilities Criteria (UFC) **federal,** state, and local statutes and regulations.

1.1 Background

Multiple issues have developed along Carswell Street that have needed repairs, modifications, & additions to stabilize the road and minimize water ponding, potholes and other surface improvements that made the road unsafe for driving conditions from Truemper street to Femoyer intersection. With this statement of work, the Contractor shall construct as per design plans and repairs along Carswell Avenue in phases III

1.2 General Scope

Carswell Ave. at JBSA- Lackland has deteriorated and failed and needs replacement. The road provides use for buses, tractor-trailer, and everyday traffic daily. This project entails complete full-depth reconstruction of the bituminous pavement along Carswell Avenue from Truemper Street to Femoyer Street to include excavation, removal, and replacement of gravel base, and subgrade soil. Existing concrete pavements along the roadway shall be left intact. Any curbs, gutters, curb inlets that are damaged, or out of alignment by more than specified tolerance will be demolished and replaced. The road's crown will be adequately sloped to allow for proper drainage and drains will be cleaned and repaired as needed. The surrounding area should be analyzed to improve drainage and reduce localized flooding. All crosswalk, road arrows, and striping are to be replaced

This project will be distributed by a complete set of design plans for all 3 phases and then followed by Phase III construction as listed below:

CARSWELL RECONSTRUCTION PHASE III	
Pavement Constituent	**Layer Thickness**
New Type D HMAC	**3"**
New Flexible Base	**8"**
Lime Stabilized Subgrade	**8"**

2.0 APPLICABLE DOCUMENTS

The Contractor shall identify and comply with all applicable federal, state, and local laws; statutes; Executive Orders; Department of Defense/Air Force manuals, handbooks, regulations, guidance, and policies. The contractor shall comply with the National Institute of Building Sciences' Whole Building Design Guide Construction Criteria Base (CCB) Unified Facility Criteria (UFC) and all of the related libraries. The primary criteria are the Air Force Criteria from the Documents Library, but other agency criteria may be directed for use, depending on the customer agency for a particular TO. The Unified Facilities Guide Specifications (UFGS) is the mandatory starting point for all specifications, and shall not be deleted, materially modified, or made less stringent without Government approval. It is the contractor's responsibility to identify and comply with all applicable requirements. It shall be the contractor's responsibility to identify any design/construction criteria waivers that

guarantee for this TO and to accomplish all necessary Coordination activities necessary to obtain approval of these proposed waivers through the Contracting Officer (CO), and/or Project Manager (PM).

In addition, the contractor shall refer to and comply with the current versions of the Department of
Defense Policy and Guidelines for Acquisitions Involving Environmental Sampling or Testing and The United States Air Force Construction Management Implementation Guide as well as the latest version of The USAF Project Manager's Guide to Design and Construction. Base-specific documents shall be identified with this TO.

3.0 GOVERNMENT PROPERTY INCLUDING GOVERNMENT FURNISHED INFORMATION, EQUIPMENT, AND PROPERTY (GFI, GFE, GFP)

GFI, GFE, GFP requirements will be specified in this TO, to include delivery, management, accountability and disposition. FAR 52.245-1 defines Government Property and the procedures for accounting for and disposition of property.
To the extent it is available, the Government will provide information in the form of available design plans, IFC issued for construction Plan to facilitate accomplishment of the work required in the task order SOW. Refer Appendix B

4.0 MANAGEMENT, PLANNING, AND REPORTING REQUIREMENTS

The contractor shall implement a full range of construction and engineering activities as specified in this TO and in accordance with all applicable compliance documents. The contractor shall supply all labor, equipment, and materials necessary to accomplish the work assigned unless otherwise specified in this TO. The contractor shall perform management and planning functions, including performance measurement and status reporting, to effectively secure and monitor prime and sub-contract work, as required in this TO.

4.1 Work Breakdown Structure (WBS)

The contractor shall prepare and submit, for approval, by the PM and CO, a WBS in a logical sequence in which the contractor proposes to perform the work and dates on which the contractor contemplates starting and completing all schedule activities. The WBS shall be reflective of the entire project schedule, to include design and construction activities. The WBS shall be consistent with the Unified Facility Guide Specification (UFGS) format which contains 48 Divisions for construction activities. The WBS should be used to report the earned value and schedule status for this project. All tasks required under this TO shall be included in the WBS and be identified by unique Construction Activity Identification Number (CAIN).

4.1.1 Project Reporting Requirements for Firm Fixed Price (FFP)

Firm Fixed Price TOs are usually limited to status reports, project schedules, and invoices and will be specified in this TO.

4.1.2 Contractor's Progress, Status, and Management Report (CPSMR)

The contractor shall prepare and submit a CPSMR. The CPSMR shall be used to review and evaluate the overall progress of the project, along with any existing or potential problem areas. The report shall be prepared in a format coordinated with the PM. The CPSMR shall include a summary of the events that occurred during the reporting period, discussion of performance, identification of problems, proposed solutions, corrective actions taken, and outstanding issues.

4.1.3 Meeting/Teleconference Support

The contractor shall attend meetings necessary to coordination, construction activities, etc. The contractor also shall attend and support periodic meetings and/or teleconferences through the construction phase of the contract. Frequency of periodic meetings will be specified in this TO at the preconstruction/kickoff meeting. The contractor shall prepare and maintain the periodic meeting agenda report which shall include the record of new and old discussion of technical issues, periodic earned value progress showing percent complete actual versus planned, a three week look ahead, and tabular report for Requests for Information (RFIs) and submittals (open and upcoming). The contractor shall prepare, and submit for review, presentation materials for meetings and an agenda. The contractor shall prepare minutes for meetings attended, including teleconferences, design reviews, and distribute minutes to attendees within three (3) working days.

4.2 Contractor Documentation

The contractor shall create and maintain a Master Document List (MDL) that includes all documents, whether the document is a deliverable or not, which are prepared during the course of this TO. This includes, but is not limited to correspondence, requests for information, material submittals, schedule submittals, status reports, schedule updates, etc. The MDL will include the dispatch/receipt date, any suspense for each document, and the final disposition of those suspense's. The MDL and its documents shall be maintained in libraries readily available for submittal to the Government. All Material Submittals shall be accomplished in accordance with the instructions pertaining to AF Form 3000, Material Approval Submittal.

4.3 Notification Requirements

The contractor is required to notify the CO and PM of anything the contractor feels is outside their scope of work and/or beyond their control that could impact cost, schedule, or quality. Additionally, the contractor is required to notify the CO and PM of critical issues that may affect the contract performance and/or human health and the environment. These types of issues that require notification include, but are not limited to, health risks, spills, changes in critical or key personnel, and finding unexploded ordnance (UXO). As an example, if unanticipated UXO were discovered during field activities, the contractor will immediately stop work, report the discovery to the facility Point of Contact (POC) (designated at the TO level), CO, and PM, and implement the appropriate safety precautions. Field activities shall not continue until clearance is received from the CO. On critical issues, verbal notification should be made immediately, followed by written notification as soon as practical within the succeeding 48 hours.

4.4 Permits

The contractor shall develop, coordinate, and, apply for and obtain all applicable permits, access (including off-base easements and leases), agreements, licenses, and certificates required to perform and complete effort as specified under this TO. The contractor shall maintain a library of these documents at the contractor's site office as well as the corporate facility handling this TO. The contractor shall comply with all applicable permit conditions, and shall keep all permits "current" until construction is 100% complete. The contractor may be required to provide the permits to the Government as required.

4.5 Photo Documentation

The contractor shall prepare digital photo documentation, including site(s) and building(s) under construction, field activities, and sample locations if applicable. Digital photos will be submitted using a minimum five (5) mega pixel photograph in JPEG format. The contractor shall provide an index for each set of photographs submitted, identifying the base or facility, project number, contractor, and a brief description. Photography of any kind must be coordinated through the installation, customer, or facility POC. Photo documentation shall be loaded to the Data
Collaboration Site as specified at the task order level, as requested by the base POC or directed by the CO and/or PM.

4.6 Site Access Badges

The contractor shall obtain and monitor assigned security badges or passes (used by both contractor and subcontractor personnel) for the duration of this contract. All security badges or passes shall be returned to the base POC upon expiration of the badge, upon completion of the project, or when possession of the badge is no longer necessary (e.g., upon removal of contractor personnel from specific projects). Requirements for Common Access Cards (CACs) will be specified at the TO level.

4.6.1 Coordination of Activities

The contractor shall be responsible for protecting the lives and health of employees and other persons on the work site; preventing damage to property, materials, supplies, and equipment, avoiding work interruptions and complying with Occupational Safety and Health Administration (OSHA) safety and local safety office requirements. The contractor shall perform all operations in a prudent, conscientious, safe and professional manner and conform to the safety requirements contained in the contract for all activities related to the accomplishment of the work. The contractor shall maintain documentation supporting training records on site and have written Health and Safety Plans on site and available for workers and/or regulatory review. The contractor shall provide the CO copies of any OSHA report(s), regarding a project site, submitted during the duration of the TO. For areas not covered by OSHA, the contractor shall comply with
regulations regarding safety and health and the current edition of the U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1.

The contractor shall record and report promptly (within 1 hour) by telephone, email or other direct means to the CO, PM, the base POC, and to the military installation's Safety Office, all available facts relating to each instance of damage to Government property or third-party property or injury to either contractor, Government, or third party personnel. In the event of an accident/mishap, take reasonable and prudent action to establish control of the accident/mishap scene, prevent further damage to persons or property, preserve evidence until released by the accident/mishap investigative authority through the CO, and immediately report the incident to Emergency Services using the most expedient communication means (e.g., dialing 911 in the United States). If the Government elects to conduct an investigation of the accident/mishap, the contractor shall cooperate fully and assist Government personnel in conducting the investigation until it is completed.

The contractor agrees that all personnel and equipment are subject to safety inspections by Government personnel while on federal property.

4.6.2 Radiological Waste, Hazardous Material and Hazardous Waste Permitting and Reporting

The contractor shall sample and handle all radiological waste, hazardous materials and waste that is a requirement for construction of the project in accordance with applicable

federal, state, and local requirements. The contractor shall provide all radiological waste, hazardous materials use and hazardous waste disposal documentation to the Base Environmental Office or Installation Hazardous Waste Program Manager, and shall register with the Hazardous Materials Pharmacy program (if available) at the installation to ensure appropriate and efficient tracking of the contractor's hazardous material purchases, inventories, use, and releases such as required by the Emergency Planning and Community Right-to-Know Act (EPCRA), Executive Orders, or any installation reporting requirements.

The contractor shall also comply with federal, state, and local requirements for any task involving the transportation of radiological waste, hazardous wastes and/or contaminated materials to off-site treatment, storage and/or disposal facilities. The contractor is responsible for the disposition of all Radiological, Hazardous Material and Waste produced by activities directly involved in the construction related operations. This includes 40 CFR 260,
49 CFR 172, 173, 178, 179 and all other applicable local, state, and federal transportation regulations.

The contractor shall ensure that all personnel involved in handling and packaging the hazardous waste be trained for the level of expertise required for the proper performance of the task and, in particular, in the areas of chemical incompatibility, general first aid procedures and spills. The contractor shall provide handling and personnel protective equipment to ensure safe handling of the hazardous/asbestos waste. The contractor agrees that all personnel and equipment are subject to safety inspections by Government personnel while on federal property.

4.7 Project Data/Project Deliverables

Project data and deliverables, as specified in this TO shall be provided to personnel by the contractor to support multiple projects with real-time or near real-time access. Deliverables may include, but are not limited to, a submittal tracker or register, a Request for Information (RFI) tracker, a change order tracker, a photographic log, status reports and project schedule(s).

4.7.1 Protecting Unclassified DoD Data

All DoD and Government data that is shared, stored or created on non-DoD information systems must be protected and any breach or loss of that data must be reported. The contractor shall comply with the security requirements defined in DoD Instruction 8582.01.

4.7.2 Security Breach Notification

Contractor agrees to comply with all applicable laws that require the notification of individuals in the event of unauthorized release of personally identifiable information or

other event requiring notification. In the event of a breach of any of contractor's security obligations, or other event requiring notification under applicable law, contractor agrees to:

a. Notify CO by telephone and e-mail of such an event within 24 hours of discovery, and
b. Notify the US-CERT of such an event within 24 hours of discovery, and
c. Assume responsibility for informing all such individuals in accordance with applicable law, and
d. Indemnify, hold harmless and defend the United States, its trustees, officers, enlisted, and employees from and against any claims, damages, or other harm related to such event.

4.8 Health and Safety Plan (HSP)

The contractor shall provide a Health and Safety Plan (HSP) in accordance with EM385-1-1.

4.9 Quality System Plan (QSP)

The contractor shall prepare, for Government review and acceptance, a site-specific QSP that consists of plans, procedures, and organization necessary to produce a product, which complies with the contract requirements. The QSP shall cover all definable features of work (construction operations, both onsite and offsite) and be keyed to the construction sequence.

The project Superintendent must maintain a physical presence at the site at all times while construction is taking place and is responsible for all construction and related activities at the site. The project Superintendent should be from the Prime Contractor, unless otherwise specified at the task order level. The Site Superintendent must have the authority to commit and bind the Prime Contractor in exercising his superintendence. It is not acceptable for the Site Superintendent to have to request approval to make decisions on site.

4.10 Technical Plans and Reports

The contractor shall provide technical plans, specifications, and reports as defined below and implemented at the TO level. Some of these may include, but are not limited to, the following:

4.10.1 Construction Work Plan

The contractor shall prepare a construction work plan that may include, but is not limited to, any or all of the following subsections as identified in this TO.

A. Work Sequencing
B. Design Analysis
C. Security
D. Site Analysis
E. Site Preparation
F. Excavation
G. Spill and Discharge Control
H. Explosive Safety
I. Health/Safety Plan
J. Hazardous Materials Management
K. Asbestos Abatement
M. Ground Water Management
N. Erosion Control
O. Material and Equipment Control and Storage
P. Transportation
Q. Warranty Call Out Program
R. Draft DD Form(s) 1354
S. Demobilization
T. Final DD Form(s) 1354

4.10.2 Technical Reports

The contractor shall prepare and submit the following technical reports as identified in this TO. All of the following technical reports may not be required at the TO level. Those that are required will be specified as such in this TO.

A. Miscellaneous Technical Report
B. Construction Cost Estimates
C. Site/Project Summary
D. Daily Technical/Field Reports (Status Reports)
(As a part of the daily technical/field reports, all tasks shall be identified by Construction Activity Identification Number (CAIN) and correspond with the approved baseline schedule and the WBS.)
E. Hazardous Materials Survey Report
F. Hazardous Material and/or Hazardous Waste Disposal Report
G. Design Drawings
H. Shop Drawings and/or As-built Drawings
I. Design Specifications

J. Computer Aided Design Drawings
K. Survey Reports
L. Quality Assurance/Quality Control Surveillance Plan
M. Warranties
N. Call-Out Procedures
O. Pre-Final Inspection Report
P. Final Inspection Report

5.0 PROSECUTING THE WORK

5.1 Site Work

The contractor shall perform site preparation, incidental characterization and field investigation, conservation, and demolition of sites as required in this TO.

5.1.1 Conservation

Activities shall be planned and implemented in a manner that protects existing site utilities, structures, surface features, service operations, monitoring and other types of wells, and the general site environment. This includes the protection of trees, shrubs and other vegetation not in the affected zone from dust damage, soil compaction, and physical contact with machines and equipment. If appropriate, the contractor shall conserve uncontaminated topsoil by removal, storage, or redistribution. All reasonable measures shall be taken to minimize and suppress fugitive emissions of dust, vapors, and other site materials during site work. All fill materials shall be non-contaminated. The contractor shall conduct all operations and activities with the intent of reducing the amount of pollution generated. Specific areas to be focused on are generation of solid waste, use of hazardous materials, use of ozone depleting chemicals, generation of hazardous waste, and use of energy and water. During site work the contractor shall plan, construct, operate, maintain, optimize, and decommission systems necessary to control storm water run-on and run-off; and transport surface water drainage to a treatment plant, discharge location, or any other appropriate destination for discharge in accordance with local environmental regulations.

5.1.2 Site Preparation

The contractor shall perform site work as necessary to prepare sites for construction activities. Security and access controls shall be implemented to prevent unauthorized entry to sites and to protect wildlife from site exposure. The contractor shall survey existing utilities to determine adequacy and need for modifications to support site activities. The contractor shall obtain appropriate approvals and shall construct connections or new systems for electrical power, water, sewer, gas distribution,

telephone, and other utilities, as required, to accomplish the activities specified in this TO.

5.1.3 Demolition

The contractor shall demolish facilities, systems, and other improvements as necessary to prepare sites for future construction activities. Demolition activities can be ancillary to other requirements or a stand-alone project. The contractor shall conduct demolition efforts in conjunction with such activities as new construction or renovation, removal of outdated facilities, and site clearing from natural disasters. The contractor shall perform surveys as part of demolition efforts to identify conditions and hazardous materials or Asbestos related hazards for mitigation. Demolition efforts shall include validation of existing utilities for active conditions, evaluate potential environmental concerns, and support all AF Real Property considerations at the TO Level. The contractor shall provide all necessary documentation to the PM/CO for preparation of DD Forms 1354.

5.1.4 Detailed Demolition Scope

a. Contractor shall demo in full depth replacement to lime base for the following phases of construction:
   - Construction of Phase III Truemper to Femoyer

   In order to achieve the desired construction result (elevation for drainage). Contractor shall demolish the road in sufficient amount to create the design structural strength.
b. Contractor shall demolish all curb and gutters that are damaged or broken as needed. Any curbs that are out of alignment by more than ½ inch shall be demolished.
c. Contractor shall demolish any curb inlets (only) if out of alignment by more than ½ inch, has fallen, or if there is significant damage, it needs to be demolished and replaced (as needed). The contractor shall demolish the curb inlet and demolish the whole joint (section) of piping in all directions.
d. Contractor shall maintain a safe, clean and dust free environment to prevent any adverse effect to the normal operations for that area or any other adjacent areas. Contactor can leave milling machine in place only protected by enclosed by safety fencing.
e. Contractor shall protect government equipment and property from damage during construction. Contractor is responsible for properly documenting the condition of the property prior to the start of construction. Contractor shall be responsible for repairing any damages to government property due toc ontractor's negligence, at its own cost.
f. All demolished materials at the conclusion of the project will become the property of the contractor and shall be removed off-site and disposed in accordance with all applicable local, state, and federal laws.

5.1.5 EXISTING WORK

a. Remove or alter existing work in such a manner as to prevent injury or damage to any portions of the existing work which remain.

b. Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as approved by the Contracting Officer. At the completion of operations, existing work must be in a condition equal to or better than that which existed before new work started.

5.1.6 LOCATION OF UNDERGROUND UTILITIES

a. Obtain digging permits prior to start of excavation, and comply with Installation requirements for locating and marking underground utilities. Contact local utility locating service a minimum of 30 days prior to excavating, to mark utilities, and within sufficient time required if work occurs on a Monday or after a Holiday. Verify existing utility locations indicated on contract drawings, within area of work.

b. Identify and mark all other utilities not managed and located by the local utility companies. Scan the construction site with Ground Penetrating Radar (GPR), electromagnetic, or sonic equipment, and mark the surface of the ground or paved surface where existing underground utilities are discovered. Verify the elevations of existing piping, utilities and any type of underground obstruction not indicated, or specified to be removed, that is indicated or discovered during scanning, in locations to be traversed by piping, ducts, and other work to be conducted or installed. Verify elevations before installing new work closer than nearest manhole or other structure at which an adjustment in grade can be made.

5.1.6 Notification Prior to Excavation

Notify the Contracting Officer at least 30 days excavation work.

5.1.7 Construction Operation Services

The contractor shall perform a full range of activities to meet all customers engineering and other construction requirements as described in this TO. Requirements may include construction, completion of conceptual design and construction, demolition, decommissioning, and emergency response for traditional engineering and construction needs. All completed designs shall be signed and sealed in accordance with all applicable requirements.

NOTE: Stand-alone design is not included in the scope of this contract.

The contractor shall execute traditional engineering and construction projects. The contractor shall plan, develop cost estimates, install, construct, test, and decommission any site in accordance with this TO.

The contractor shall perform incidental support such as designing, planning, programming, scoping, studying, investigating, evaluating, and consulting on traditional engineering and construction efforts. The contractor shall also provide training and operational support to Government and other contractor personnel regarding the operations and maintenance of equipment, systems, and facilities. The contractor shall provide operation and maintenance of equipment and systems during the commissioning period prior to acceptance by the Government.

5.1.8 Construction

Upon approval of the CO, the contractor may commence on-site construction activities. The contractor shall provide the manpower, equipment, material, services, and transportation necessary to review, plan, develop and implement quality control and oversight services during the construction phase of this TO. Key personnel for the prime contractor, to include the Site Superintendent, Health & Safety Manager, and Quality Control Manager or their CO approved designated replacement will be on site 100% of the time during all construction activities for the performance period of the contract. The Project Manager shall be responsible for ensuring that practical and effective systems are developed to complete the task order and is expected to maintain a frequent on-site presence unless otherwise specified at task order level. In the event of brief absences by the primary, the contractor's management plan shall include provisions for coverage of key positions by equally qualified personnel for the duration of those brief absences. Details regarding construction management requirements, inspection and testing, construction facilities and temporary controls, environmental protection, quality control system, construction quality control, and project closeout will be provided in the Project Definition Charrette reports for this TO.

5.1.9 Inspections

In all work performed it is the contractor's responsibility to perform proper QC inspections throughout the project to ensure a quality product. The Government inspector is responsible for adequate Quality Assurance (QA) for the work accomplished. It is not the role of the Government to perform the contractor's QC for the project, especially during inspections. The contractor shall comply with the standard three phase Contractor Quality Control (CQC) inspection process, referring to the standard UFGS 01 45 00.00 10.

5.1.9.1 Pre-Final Inspection

The contractor shall conduct a pre-final walk-through inspection and publish the pre-final inspection findings in a pre-final inspection report. The contractor shall certify that 100% of the contractor's QC punch list is completed prior to requests for a Government pre-final inspection, with their completed QC punch list attached. The contractor shall conduct a pre-final walk through inspection with a Government representative and publish the inspection findings in a Government pre-final inspection report. UFGS 01 45 00.00 20 1.41 commissioning needs to be completed prior to the pre-final inspection taking place. Contractor shall comply with all applicable provisions listed in UFGS 01 45 00.00 20 1.15. Pre-final inspection report shall include a list of contractor warranty and manufacturer warranty books/certificates from newly installed equipment and materials. At the pre-final inspection, the contractor shall present a draft DD Form 1354, Transfer and Acceptance of Real Property to the CE Project Manager for review. Details will be provided in this TO.

5.1.9.2 Final Inspection

The contractor certify that 100% of the pre-final punch list is completed prior to requests for a Government final inspection. The contractor shall conduct a final inspection and publish the findings in a final inspection report (Punch List) in accordance with the format specified in the SOW. The inspection shall concentrate on the items identified at the pre-final inspection and recorded in the prefinal report. The final inspection report shall (1) certify that all items of the design have been implemented and that the construction is complete; (2) include a record of "signed and sealed" asbuilt drawings and specifications verifying that all development standards have been met; (3) schedule to complete the punch list; (4) One year contractor warranty and manufacturer warranty books/certificates from newly installed equipment and materials. At the final inspection, the
contractor shall present a completed DD Form 1354, Transfer and Acceptance of Real Property to the CE Project Manager for signature and acceptance. Details will be provided in this TO. Contractor shall comply with all applicable provisions listed in UFGS 01 45 00.00 20 1.15.

5.1.10 Delivery and Warranty

The contractor shall complete all inspection and commissioning requirements prior to the pre- final inspection. The warranty shall be issued in accordance with FAR 52.246-21. Extended warranties offered by the contractor and its subcontractors or suppliers may be accepted at the Government's discretion. The contractor shall provide system O&M manuals and parts list to the Government, and train maintenance personnel in system operations prior to delivery and Government acceptance, as well as manufacturers' point of contacts (POCs) for troubleshooting, repair and consulting questions.

5.1.11 New Work Detailed Scope

- This is a high traffic area. Contractor shall install orange plastic safety fencing per approved site plan and storm water protection per approved storm water plan. Keep area clean and free of trip hazards at all times. Contractor shall maintain safety fence properly by remaining upright, not sagging, and free of debris. Contractor shall replace immediately if the fencing becomes damaged or broken. Contractor shall daily clean the fence line and storm water protection. Contractor shall put up appropriate signs indicating the area is a construction zone, sidewalks are closed, hard hats are required, and anything else required by the traffic plan and safety regulations, see section 2.5 temporary project safety fencing.
- Contractor shall provide submittal drawings.
- Contractor shall use a certified/licensed surveyor, string line, or GPS, etc. to conduct a survey with elevations for use in construction.
- Contractor shall follow "For Construction design package" when repairing/replacing curbs, gutters, curb inlets, road, sidewalks, utilities, crosswalks, driveways, and anything else included in this contract.
- Contractor shall follow all approved plans and submittals included in the design packages.
- Existing manholes, water valves and curbing shall be adjusted to the finish street elevation such that it is not a trip hazard or possible damage to vehicles, repair or replace if having significant damage.
- Contractor shall repair damage curb and gutter segments with reinforced concrete. When repairing curbs, cut curbs at joints. Contractor shall maintain same surface finish to the adjoining curbs.
- Contractor shall ensure that any penetration introduced to the existing concrete surface shall be either saw cut or core drilled to maintain a neat and clean cut lines.
- Contractor shall test materials per "For Construction design package" including and not limited to soil, asphalt, and concrete.
- Replace non-reinforced curb, and gutter with reinforced concrete curb and gutter, if replacing curb and gutter at that location due to elevation change or damage.
- Contractor shall repair/replace any curb inlets that are damaged or not helping with stormwater drainage. If contractor shall replace the curb inlets, replace the whole joint (section) of piping in all directions.
- Contractors shall notify project manager when hitting an unexpected utility line/pipe. If utility has been uncovered during demolition that is not according to code contractor shall in case the duct bank in concrete. Before pouring concrete, sand and magnetic detection
- tape shall be placed.
- Contractors should use UFC code and JBSA Lackland IFC Asphalt as the road's wearing course.
- Contractor shall establish the road crown with a 2% slope and no ponding to ensure complete drainage from the road.

- Curbing to remain at same elevation, unless it is shown to be broken/fallen more than ½ inch or needing repairs to help keep the street working as planned.
- Contractors shall use own method (certified/licensed surveyor, string line, or GPS, etc.) not gutter elevation to ensure road at proper finish grade elevation.
- Contractor shall comply with all specifications and regulations.
- Restriping to be completed to regulation as stated in the restriping plan done during design, when pavement is complete.
- Contactor to submit laydown area for approval.
- Grass shall be restored and the Contractor shall seed and top soil to a minimum of 3 feet from the sidewalk and any areas of disturbed soil. Any areas where grass is disturbed, shall be restored to or better than it was. Contractor shall use 419 Tifway Bermuda Grass by solid SOD or hydroseed/hydro-mulch.
- Contractor shall not perform noise-producing work on Fridays (0600-1300). Any questions please contact the project manager. Contractor may work weekends, holidays and nights (as needed) at no additional expense to the Government. A 3-day advance notification must be provided to work outside of normal hours. Construction shall not affect Bootcamp Graduation ceremony (e.g. noise from construction during the ceremony)
- Contractors shall protect government equipment and property from damage during construction. Contractor shall be responsible for repairing any damages to government property due to contractor's negligence, at its own cost.
- Contractors shall provide their own fill dirt/soil and clean soil shall be used as fill.
- 502 CES Environmental specifications define the contractor's responsibility for moving disposal, testing, transportation, stockpiling, and fees of any soil, recycled asphalt, debris or recycled concrete. Contractor shall dispose of all spoils. Contractor shall provide all testing, transportation and fees associated with fill dirt, spoils and debris.

Contractor shall remove any materials off base or testing of any materials at no cost to the

Government. 502 CES Environmental are the ones who determine if soil needs to be tested.

Contractor shall fill out proper paper work for removing any soil, asphalt, or concrete off base.

- Reference Environmental specifications (appendix A) for required information/specifications for certain materials and submittals, along with testing and removal of any materials.
- The contractor shall be responsible for preparing, filing, testing, and paying for any fees necessary to obtain all necessary permits to meet the provisions of this SOW. All testing and/or permit fees shall be included as part of the base bid.
- Any outages requested by the contractor to perform any provisions of this SOW, shall be submitted to the 502 CES PM at least 30 calendar days prior to the requested Outage Date.
- Upon completion of the construction work, the contractor shall restore and clean the project

area and return it back to the government ready for immediate use.

5.2 Demobilization

The contractor shall decontaminate equipment and facilities, decommission facilities as necessary, and restore the site to its pre-project condition or as directed in this TO. The contractor should remove any temporary facilities and implement erosion control measures such as seeding, mulch, sodding, and erosion control fabrics; restore roads, structures and utilities; and plant trees, shrubbery, grasses and other vegetation. The contractor shall document and report on activities and train Government personnel to perform required maintenance, as requested in this TO.

The contractor shall abide by FAR 52.245-1 Government Property and Defense Contract Management Agency (DCMA) instructions pertaining to disposal of Government Property and reporting through the Plant Clearance Automated Reutilization Screening System (PCARSS) in the removal and disposition of any Government Property during the Demobilization from the project site.

5.3 Emergency Response

The contractor may be required to perform emergency response services. The contractor may be required to perform emergency repairs to facilities, systems, improvements, or utilities in the course of executing TO requirements or as stand-alone activities. The contractor may be required to perform emergency response to situations arising from natural disasters, project activities or actions from others.

5.4 Maintenance and Repair

The contractor shall perform construction type maintenance and repair of facilities, systems, and utilities. Construction type maintenance and repair can be performed incidentally to other requirements or as a stand-alone project. Service type maintenance and repair is not included in this contract.

5.5 Delivery, Storage & Parking

All equipment delivered and stored (e.g. aerial work platforms, telescopic boom lifts and special equipment, etc.) shall be protected from weather, humidity and temperature variation, dirt and dust, and any other contaminants. The Contractor shall be responsible for securing pilferable items and equipment when in storage. All equipment shall be decontaminated prior to exiting the facility during any abatement activities.

The 502d Contracting Officer and 802d CEN Project Manager shall coordinate Contractor storage area.

All project storage areas shall be kept free of debris, leaks, stains, or splashes and kept in a neat, clean, and safe condition. The Contractor, in accordance with the Environmental Protection Requirements
in the specifications, at no additional expense to the Government, shall immediately remediate any contamination of the storage area by a hazardous substance. All hazardous materials shall be secured when not in use and shall be approved through the Contracting Officer. Safety Data Sheets (SDSs) shall be kept onsite at all times.

6.0 FACILITY CONSTRUCTION TASK ORDER DELIVERY METHODS

The contractor shall perform a full range of activities to meet all customers' construction requirements as designed and specified. Requirements may include construction, demolition, repair, and emergency response tasks. The contractor shall provide office space within their temporary construction trailer for the Title II Quality Assurance/Inspector when specified within the TO.

7.0 As-Built Documentation

As-built drawing documentation shall include a record of as-built drawings and specifications based on "signed and sealed" 100% design documents, verifying that all development standards have been met, and clearly showing all deviations or variations from those documents. Should substantive deviations have been made to the documents, it may be required at the Government's sole discretion that the revised documents be signed and sealed by the responsible DOR. Delivery of as-built documentation shall occur prior to final payment. At a minimum all drawings will be delivered as AutoCAD version 2011 or newer file format.

7.1 Period of Performance (PoP) / Liquidated Damages

Performance Period for this requirement shall be **270 days** for construction. Any modifications or extensions will be requested through the 802d Civil Engineer Squadron PM & the 502d Contracting Office for review and discussion. Liquidated damages will be assessed as determined by the Contracting Officer for failure to complete the work within the specified time.

7.2 Phasing Requirements, Operating Hours & Contractor Milestones

No phasing of the project is required by the Government. Normal working hours shall be **Monday through Friday from 8:00 am to 4:00 pm**. Workdays and hours other than indicated must be approved by Contracting Officer.

These training sites will remain operational for the duration of this project. The DB Contractor, 502d Contracting Officer, 802d CES Project Manager, and Facility

Managers must coordinate toensure mission continuity and fulfillment of the requirement.

The number of days listed below are calendar days, which include weekends and holidays. In the event the due date falls on a weekend or holiday, delivery shall be completed at the start of the next business day.

7.3 Environmental Protection

7.3.1 Law Compliance

Work site activities are NOT exempt from air emission (vehicle idling), storm water, hazardous waste, and other environmental compliance rules and regulations. The Contractor shall comply, and shall ensure that all subcontractors comply, with all applicable Federal, state, and local environmental regulations, ordinances and standards. The Contractor shall also comply, and ensure that all subcontractors comply, with JBSA Environmental Specifications.

7.3.2 Hazardous Waste Encountered

The Contractor shall notify the designated Project Manager upon encountering any unforeseen circumstances or suspect material not previously identified in this Statement of Work that could jeopardize the safety of workers or personnel in the area.

7.3.3 Nuisance & Polluting Activity Prohibited

Polluting, dumping, or discharging of any harmful, nuisance, or regulated materials (such as, but not limited to, vehicle maintenance fluids, solid waste, hazardous substances, etc.) into building drains, site drains, streams, waterways, holding ponds or to the ground surface shall not be permitted. Contractor shall be held responsible for all damages that may result from unauthorized discharges. Contractor shall conduct work activities in such a fashion as to avoid creating any legal nuisance, including but not limited to, suppression of noise and dust, control of erosion, and implementation of other measures as necessary to minimize offsite impacts of work activities.

Ensure that storm drains near this construction are properly protected to prevent sediment from

Storm Water Pollution Prevention Plan (SWPPP) – if soil disturbance is 1 acre or greater, site must comply with the TPDES TXR150000 construction general permit, requiring development of SWPPP.

Notice of Intent (NOI) – required for projects that disturb 5 acres or greater; submission of NOI & SWPPP required to TCEQ & JBSA Water Quality Manger for review prior to construction.

Notice of Termination (NOT) – required submission to TCEQ & JBSA prior to project completion.

Minimize dust during construction, demolition, renovation, and road repair. If visible dust emissions approach property line, minimize emissions with water spray or mist.

If cutback asphalt is used, report type used (rapid, medium, or slow cure), provide MSDS, quantity used, and date(s) of repair to Air Quality Manager at respective installation.

Installer shall obtain approval for all materials used (during the duration of the project) from JBSA Hazmat Program Manager. The authorized material/product list along with the quantity of material/product used shall be submitted to the Air Program Manager at the respective installation.

7.3.6 Cultural Resources

If during the process of making repairs to existing erosion control feature an artifact is unearthed please stop all work in the area and contact Dayna Cramer: 210-295-7889 so that an archaeologist can be sent to the site to examine the artifact and make a determination.
Properties affected by project are address in a Programmatic Agreement that was fully executed with the State Historic Preservation Officer (SHPO) and the Advisory Council on Historic Preservation (ACHP) on April 2011; Exemption: Archaeological A & C.

7.3.7 Further Information

Please refer to Section **01 57 20 – ENVIRONMENTAL PROTECTION** for further information.

8.0 POINTS OF CONTACT (POCs)

POCs will be specified under each TO.