914 MSG / CEC
Niagara Falls Air Reserve Station
2405 Franklin Drive
Niagara Falls, New York 14304-5063

STATEMENT OF WORK

For Construction Contract Award

RVKQ 21-0019 – Airfield Joint Sealant Repairs

30 APR 2026

1. SUMMARY OF WORK

The Contractor shall furnish and install all material, equipment, components, parts, tools, labor, transportation, hauling, disposal/recycling, cleaning, inspection, testing, commissioning, training, reporting, etc., necessary to perform this project as described in the contract-delivery order, including this Statement of Work and any / all applicable federal, state and local laws, regulations, and standards. Unless otherwise stated, any / all requirement for the contractor to remove and properly dispose of / recycle off base, and to furnish and install / incorporate any / all new materials / equipment / components needed to properly complete the work item; any Government furnished property and / or reinstallation of existing materials / equipment / components shall be as stated / specified herein. The Contractor shall submit materials / methods for approval prior to ordering and / or incorporation into the work; at a minimum, submittals shall include product literature, SDS, standard color, texture and style samples / swatches / boards, and place of origin / manufacture. Demolished materials, waste / debris is property of the contractor, unless otherwise stated herein; contractor is responsible for proper disposal / recycling of such materials off base; such materials shall be promptly removed from the installation and shall not be stored / stockpiled unless submitted and approved for such. Contractor is responsible for verification of all details, measurements, etc., prior to ordering materials and execution of work. Do not permit vehicular traffic on the pavement in the area of the joints being sealed.

2. PROJECT LOCATION AND REQUIREMENTS

2.1. This project will take place on the Niagara Falls Air Reserve Station (NFARS) airfield, Niagara Falls, New York, for the 914th Civil Engineer Section (914th MSG/CE). The Contractor shall conduct all work so as to cause the least interference with normal activities at the NFARS, related facilities and surrounding areas.

2.2. The project will be on the NFARS airfield. The work will take place on the NFARS existing Main Apron, Operations Apron, and Taxiways A, A1, A2, A3, and A4. Some of the project work areas will be within restricted areas and therefore require additional coordination with the Government, including full-time Government airfield escorts to accompany the Contractor while on the airfield.

2.3. Contractor personnel will be required to receive a briefing on operating a motor vehicle on the airfield. At the conclusion of this training, competent personnel will be issued a pass which will allow them to drive to and from the project phase work areas without an escort. Violations of the driving procedures can result in suspension of driving privileges or even removal from the project based on the severity of the infraction. To access the work sites within the controlled area, the Contractor shall notify Airfield Management when enroute to the work area and when completed for the day by checking in and out, in person, at Building 700, room 120. The Contractor shall also notify Security Forces Squadron at 716-236-2280. At the commencement of each construction phase, the government will establish a free zone to accommodate the work area and access thereto.

2.4. Due to the nature of the work, on the airfield, the Contractor shall provide a construction schedule with proposed hours and days of work at least 21 days prior to start of work for Government review and approval. Any changes to the approved schedule must be submitted at least 10 days in advance for review and approval. If the work site is located in a restricted or controlled area, the Contractor may experience delays due to compliance with entrance/exit requirements of restricted/ controlled areas. Also, due to the nature of restricted areas and mission requirements, the Contractor may be requested to leave the restricted area at any given time. This delay shall be annotated on the daily report and when verified by the Government, the Contractor will be given this delay time back at end of performance period if necessary.

2.5. The Contractor must comply with all installation procedures for access to and driving on the flightline, including receiving required training and providing daily notifications to airfield management and security forces.

2.6. All work shall be executed in accordance with the Project Drawings, and the work shall be phased in accordance with the Construction Safety Phasing Plan (CSPP). No modifications to or deviations from this Plan are allowed without written approval from 914 MSG/CEC. It is the Contractor's responsibility to provide and place barricades in accordance with the drawings and remove barriers at the conclusion of the project.

2.7. The Contractor will be allowed access to Base fire hydrants for a source of water; however, the Contractor will be responsible for providing and maintaining backflow prevention on the connection. Inspection and approval by the Base Fire Department is required prior to any use of the Base water systems.

3. DESCRIPTION OF WORK

3.1. The Contractor shall repair 202,400 linear feet of joint sealant in concrete airfield pavements by replacement at the locations shown in the Project Drawings. The joint sealant being installed on Apron pavements is required to be jet fuel resistant joint sealant. Approximately 111,320 linear feet of the joint sealant being replaced are on the apron pavements and approximately 91,080 linear feet of the joint sealant being replaced are on taxiway pavements. The Contractor shall mechanically remove the existing failed joint sealant, clean and reface pavement joints, and replace with new backer rod and sealant. The Contractor shall limit the stages of joint preparation, including sandblasting, air pressure cleaning and placing of the back-up material to only that lineal footage that can be sealed during the same day. The Contractor is responsible to dispose of all waste materials. Where spalling along a joint is so bad that replacing the joint sealant causes pavement damage, which will cause foreign object debris (FOD) a spall repair shall be performed at that location to mitigate the risk of FOD.

3.2. Completely remove existing joint sealants (full depth), clean and reface concrete pavement joints, and install new sealant in the airfield pavements at the locations shown in Project Drawings in accordance with the UFGS 32 01 19.61 Sealing of Joints in Rigid Pavements Specification and UFM 3-270-01. The total length of joints to be re-sealed is 202,400 linear feet.

3.3. The Contractor shall be prepared to perform concrete spall repairs, in accordance with the UFGS 32 01 29.61 Partial Depth Patching of Rigid Paving Specification and UFM 3-270-01, at locations where the concrete adjacent to the joints is damaged during the removal of the existing sealant. The scope of spall repair includes: saw-cutting the boundaries of the spalled area to create a clean, vertical edge, removal of all unsound concrete from within the repair area, cleaning the repair area and applying a bonding agent, if required by the repair material manufacturer, placing, finishing, and curing a rapid-setting concrete patching material that meets the strength and durability requirements for airfield pavements.

3.4. The Contractor shall replace pavement markings if damaged during construction or if removed for pavement spalling repairs.

3.5. The work will be performed in six (6) different phases. Refer to the drawings for the Phasing locations.

3.6. At all times the Contractor shall leave a travel lane down Taxiway A open for emergency vehicles.

3.7. TRIAL JOINT SEALANT INSTALLATION

3.7.1. Prior to cleaning and sealing the joints for the entire project, prepare a test section at least 200 ft long using the specified materials and approved

equipment, so as to demonstrate the proposed joint preparation and sealing of the types of joints in the project. Following the completion of the test section and before any other joint is sealed, inspect the test section to determine that the materials and installation meet the requirements specified. Inspect joint seal test section. (Provide written notice of deficiencies and required corrections or adjustments in the joint seal installation procedures.) Correct deficiencies and obtain approval of test section prior to installing joint seals. If it is determined that the materials or installation do not meet the requirements, remove the materials, and reclean and reseal the joints at no cost to the Government. Permit the test section meeting the requirements to be incorporated into the permanent work and paid for at the Contract unit price per linear foot for sealing items scheduled. Prepare and seal other joints in the manner approved for sealing the test section. Notify the Contracting Officer (CO) upon completion of the test section.

3.8. PREPARATION OF JOINTS

3.8.1. Unless otherwise indicated, remove existing material, saw, clean and reseal joints. Do not proceed with final cleaning operations by more than one working day in advance of sealant. Clean joints by removing existing joint sealing compound, bond-breakers, dirt, laitance, curing compound, filler, and protrusions of hardened concrete from the sides and upper edges of the joint space to be sealed and other foreign material with the equipment. Do not permit cleaning procedures that damage joints or previously repaired patches by chipping or spalling. Remove existing joint sealant to the required depth. Precise shape and size of existing joints vary, and conditions of joint walls and edges vary and include but are not limited to rounding, square edges, sloping, chips, voids, depressions, and projections.

3.9. EXISTING SEALANT REMOVAL

3.9.1. Cut loose the in-place sealant from both joint faces and to the required depth, using the method and equipment as specified in Section 3.17. Provide a depth sufficient to accommodate blocking media and bond breakers that are required to maintain the depth of new sealant to be installed. For expansion joints, remove existing joint sealant to a depth of not less than 1 in. When existing preformed expansion-joint material is more than 1 in below the surface of the pavement, remove existing sealant to the top of the preformed joint filler. Prior to further cleaning operations, remove loose old sealant remaining in the joint opening by blowing with compressed air. Permit use of hand tools to remove sealant from random cracks. Do not permit chipping, spalling, or other damage to the concrete. Clean pavement surface with vacuum sweeper. Protect previously cleaned joints from being contaminated by subsequent cleaning operations.

3.10. SAWING

3.10.1. Joints often need to be refaced or widened to provide vertical faces and remove damaged concrete. Care should be used when refacing or widening joints so that the joint's width does not exceed 1 in. If the joint width exceeds 1 in, rebuilding of the joint should be considered. Joint walls should be vertical. The edges should not be rounded or beveled unless required by design.

3.10.2. Joints shall be refaced by sawing to widen the joint space or change the shape factor as required or straighten the vertical walls inside the joints and remove old sealant.

3.11. REFACING OF JOINTS

3.11.1. Accomplish refacing of joints using a concrete saw as specified in Section 3.17 to remove residual old sealant and a minimum of concrete from the joint face to provide exposure of newly cleaned concrete, and, if required, to enlarge the joint opening to the width and depth shown on the drawings. Provide exposure of newly clean concrete through removal. Remove burrs and irregularities from sides of joint faces. Stiffen the blade with a sufficient number of dummy (used) blades or washers. Clean, immediately following the sawing operation, the joint opening using a water jet to remove saw cuttings and debris and adjacent concrete surface. Protect adjacent previously cleaned joint spaces from receiving water and debris during the cleaning operation.

3.11.2. Joint Widening (Except Expansion Joints): Saw joints having grooves less than 3/8 in. wide and less than 1 in. deep to a minimum width of 3/8 in and to the minimum depth, of 1 in.

3.12. FINAL CLEANING OF JOINTS

3.12.1. Sandblasting: Following removal of existing sealant, and sawing, and immediately before resealing, clean newly exposed concrete joint faces and pavement surface extending to a minimum of 1/2 in up to 2 in from each joint edge by sandblasting until concrete surfaces in the joint space are free of sealants, dust, dirt, water and other foreign materials that prevent bonding of new sealants to the concrete. Use sand particles of the proper size and quality for the work. Perform sandblasting with specified nozzles, air compressor, and other appurtenant equipment. Position nozzles to clean the joint faces. Make at least two passes; one for each joint face. Make as many passes as required for proper cleaning. Immediately prior to sealing the joint, blow out the joint spaces with compressed air until completely free of sand, water, and dust. Install joint sealants to dry joints. Replace expansion joint filler material damaged in performing the work with new materials of the same type and dimensions as the existing material, or with appropriate blocking media.

3.12.2. Sandblasting media shall be vacuumed and collected for proper disposal.

3.13. BOND BREAKER

3.13.1. At the time the joints receive the final cleaning and are dry, install bond breaker material as indicated with a steel wheel or other approved device.

3.13.2. Backer Rod (except for expansion joints): When the joint opening is of a greater depth than indicated for the sealant depth, plug or seal off the lower portion of the joint opening using a blocking media/back-up material to prevent the entrance of the sealant below the specified depth. Take care to ensure that the blocking media/backup material is placed at the specified depth and is not stretched or twisted during installation.

3.13.3. Bond Breaking Tape: Where inserts or filler materials contain bitumen, or the depth of the joint opening does not allow for the use of a backup material, insert a bond breaker separating tape to prevent incompatibility with the filler materials and three-sided adhesion of the sealant. Bond the tape to the bottom of the joint opening to prevent it from floating up into the new sealant.

3.14. PREPARATION OF SEALANT

3.14.1. Prior to installing any joint sealant, the Contractor shall sweep pavement surface to remove excess joint material, dirt, water, sand, and other debris by vacuum sweepers or hand brooms. Remove the debris immediately.

3.14.2. Hot-Poured Sealants: Heat hot-poured sealing materials in accordance with ASTM D6690 and with safe heating temperature ranges recommended by the manufacturer. Withdraw and waste sealant that has been overheated or subjected to heating for over 3 hours or that remain in the applicator at the end of the day's operation. Heat sealant in the specified equipment.

3.14.3. Single-Component, Cold-Applied Sealants: Inspect the ASTM D5893/D5893M sealant and containers prior to use. Reject materials that contain water, hard caking of any separated constituents, non-reversible jell, or materials that are otherwise unsatisfactory. Do not reject sealants that exhibit settlement of constituents in a soft mass that can be readily and uniformly remixed in the field with simple tools.

3.15. INSTALLATION OF SEALANT

3.15.1. After approval of the test section, seal joints immediately following final cleaning and placing of bond breakers. Commence sealing joints when walls are dust free and dry, and when weather conditions meet sealant manufacturer's instructions. If the above conditions cannot be met, or when rain interrupts sealing operations, reclean and permit the joints to dry prior to installing the

sealant.

3.15.2. Do not install joint sealant until joints to be sealed have been inspected and approved. Install bond breaker just prior to pouring sealant. Fill the joints with sealant from bottom up until joints are uniformly filled solid from bottom to top using the specified equipment for the type of sealant required. Fill joints to 1/8-in below top of pavement, and without formation of voids or entrapped air. Do not permit gravity methods or pouring pots to be used to install the sealant material. Except as otherwise permitted, tool the sealant immediately after application to provide firm contact with the joint walls and to form the indicated sealant profile below the pavement surface. Remove excess sealant that has been inadvertently spilled on the pavement surface. Do not permit traffic over newly sealed pavement until authorized. When a primer is recommended by the manufacturer, apply it evenly to the joint faces in accordance with the manufacturer's recommendations. Check sealed joints frequently to ensure that newly installed sealant is cured to a tack-free condition within the specified time. Protect new sealant from rain during curing period.

3.15.3. Joints should be slightly underfilled to preclude extrusion of the material above the surface of the pavement at summertime temperatures. For airfield pavements, the sealant should be recessed 1/8-in below the pavement surface.

3.16. **PRODUCTS**

3.16.1. The Sealant products used on this project shall comply with the requirements set forth in UFGS Specification 32 01 19.61.

3.16.2. Use self-leveling, non-acid curing silicone sealant meeting ASTM C920 or ASTM C1193 requirements. For joints being installed on Apron pavements the Contractor shall install jet fuel resistant joint sealants.

3.16.3. Provide backup (joint filler) material that is a compressible, nonshrinking, nonstaining, nonabsorbing, nonreactive material with the sealant. Use backup material compliant with ASTM D5249. Use material with a melting point at least 5 degrees F greater than the pouring temperature of the sealant being used when tested in accordance with ASTM D789. Use material with a water absorption of not more than 5 percent of the sample weight when tested in accordance with ASTM C1016. Use backup (joint filler) material that is 25 plus or minus 5 percent larger in diameter than the nominal width of the crack. Use blocking media consistent with the sealant manufacturer's installation instructions.

3.16.4. Provide a bond breaking tape or separating material that is a flexible, nonshrinkable, nonabsorbing, nonstaining, and nonreacting adhesive-backed tape. Use material with a melting point at least 5 degrees F greater than the pouring temperature of the sealant being used when tested in accordance with

ASTM D789. Use bond breaker tape approximately 1/8-in wider than the nominal width of the joint and that does not bond to the sealant. Use bond breaking tape consistent with the sealant manufacturer's installation instructions.

3.16.5. All supplies and construction materials shall be purchased in accordance with the Buy American Act (40 U.S.C. 10a-10d). The purchase of supplies is governed by FAR 25.1 Buy American Act – Supplies, and the purchase of construction materials is governed by FAR 25.2 Buy American Act – Construction Materials.

3.17. EQUIPMENT

3.17.1. Submit equipment list and description of the equipment to be used and a statement from the supplier of the sealant that the proposed equipment is acceptable for installing the specified sealant. Use equipment for heating, mixing, and installing seals in accordance with the instructions provided by the sealant manufacturer. Provide equipment, tools, and accessories necessary to clean existing joints and install liquid joint sealants. Maintain machines, tools, and other equipment in proper working condition. Submit a list of proposed equipment to be used in performance of construction work including descriptive data, ten (10) days prior to use on the project.

3.17.2. Joint Cleaning Equipment

3.17.3. Tractor-Mounted Routing and Plowing Tool: Use routing tools for removing old sealants from the joints, of such shape and dimensions and so mounted on the tractor that do not damage the sides of the joints. Use tools designed to be adjusted to remove the old material to varying depths and widths as required. Use equipment capable of maintaining accurate cutting depth and width control. Use a joint plow equipped with a spring or hydraulic mechanism to release pressure on the tool prior to spalling the concrete. Do not permit the use of V-shaped tools or rotary impact routing devices. Permit the use of hand-operated spindle routing devices to clean and enlarge random cracks.

3.17.4. Concrete Saw: Provide a self-propelled power saw, with water-cooled diamond or abrasive saw blades, for cutting joints to the depths and widths specified, for refacing joints, cleaning sawed joints where sandblasting does not provide a clean joint, widening, or deepening existing joints as specified without damaging the sides, bottom, or top edge of joints. Permit single or gang type blades with one or more blades mounted in tandem for fast cutting. Select saw adequately powered and sized to cut specified opening with not more than two passes of the saw through the joint.

3.17.5. Sandblasting Equipment: Include with the sandblasting equipment an air compressor, hose, and long-wearing venturi-type nozzle of proper size, shape

and opening. Do not permit the maximum nozzle opening to exceed 1/4 in. Use a portable air compressor capable of providing not less than 150 cfm and maintaining a line pressure of not less than 90 psi at the nozzle while in use. Demonstrate compressor capability, under job conditions, before approval. Use a compressor equipped with traps that maintain the compressed air free of oil and water. Use a nozzle with an adjustable guide that holds the nozzle aligned with the joint approximately 1-in above the pavement surface. Adjust the height, angle of inclination and the size of the nozzle to secure satisfactory results.

3.17.6. Sandblasting equipment with a 1/4 in nozzle requires at least 137 cubic feet per minute of air to function efficiently.

3.17.7. Sealing Equipment: Use joint sealing equipment of the type required by the sealant manufacturer's installation instructions. Use equipment capable of installing sealant to the depths, widths and tolerances indicated. Do not proceed with joint sealing when malfunctions are noted until the malfunctions are corrected.

3.17.8. Hot-Poured Sealing Equipment: Use mobile unit applicators equipped with a double-boiler, agitator-type kettle with an oil medium in the outer space for heat transfer for heating and installing ASTM D6690 joint sealant materials; a direct-connected pressure-type extruding device with a nozzle shaped for inserting in the joint to be filled; positive temperature devices for controlling the temperature of the transfer oil and sealant; and a recording thermometer for indicating the temperature of the sealant. Use an applicator unit designed so that the sealant circulates through the delivery hose and returns to the inner kettle when not in use.

3.17.9. Cold-Applied, Single-Component Sealing Equipment: Use equipment for installing ASTM D5893/D5893M single component joint sealants that consist of an extrusion pump, air compressor, following plate, hoses, and nozzle for transferring the sealant from the storage container into the joint opening. Use a nozzle with dimensions that allows the tip of the nozzle to extend into the joint to allow sealing from the bottom of the joint to the top. Maintain the initially approved equipment in good working conditions, serviced in accordance with the supplier's instructions, and unaltered in any way without obtaining prior approval. Use lined hoses and seals to prevent moisture penetration and withstand pumping pressures. Use equipment free of contamination from previously used or other types of sealants. Permit use of small hand-held air-powered equipment (i.e., caulking guns) for small applications.

4. CONTRACTOR’S WORK PLAN/PROGRESS SCHEDULE

4.1. In addition to the submission of AF Forms 3064 (Contract Progress Schedule) and 3065 (Contract Progress Report) as required, the Contractor shall, within ten (10)

calendar days after receipt of Notice to Proceed and prior to the commencement of on- site work, prepare and submit to the CO three copies of the Contractor's Work Plan for review and acceptance. The Plan shall be a practicable schedule visually showing the order in which the Contractor proposes to perform the work, and the dates on which the Contractor contemplates starting and completing the salient elements of the work and critical sub- tasks of each element. The schedule shall be in the form of a progressive bar chart indicating a logical sequence of work and will indicate the percentage of work scheduled for completion by any given weekend date during the contract period. The Contractor shall revise the Plan as necessary to gain acceptance by the CO.

4.2. The Contractor shall update the original schedule by entering the actual start and completion dates of each work element and associated sub-tasks on the chart and deliver three copies of the annotated schedule with each request for progress payment to the CO or as otherwise requested by the CO.

4.3. When the Contractor desires to offer alternatives, they shall: clearly state and identify alternatives proposed; their segregated associative costs; a delineation of impacted items; and advantages and disadvantages for Government evaluation. The Contractor shall provide support, verification and justified reasoning behind their proposal to alter the Government’s project request.

4.4. Demolition Work Plan/Recycling Plan: The Contractor shall provide a work/demolition plan prior to starting any work. Work shall not proceed until the Contractor's work/demolition plan has been reviewed and approved by the Base CO and/or his representatives. The work/demolition plan shall include the following: The demolition plan shall be the following (where applicable): proposed method of demolition, recycling plan, engineering controls to reduce the amount of dust released to the air, disposal location, utilities capping plan, etc. The recycling plan shall also include documentation from each recycling center that the demolition Contractor will use for recycling. The recycling plan shall indicate which materials will be recycled at each center. The recycling plan shall also include written certification (state, local, etc.) showing that the recycling center is approved to accept and has the capacity for each material listed to be recycled at their facility. The recycling plan shall indicate how the recycling facility/demolition Contractor will supply the net weights on each material recycled. The documentation for each recycling center shall be on recycling center letterhead with original signature by the qualified recycling center representatives.

4.5. The Contractor shall submit detailed plans reflecting actions to control project dust and debris. As a minimum the plan shall include: the name of the Contractor’s assigned Project Superintendent; the proposed haul routes; the pavement cleaning equipment and schedule; the measures to control fugitive dust; and the measures to reduce transfer of mud onto adjacent paved surfaces (i.e. rotating or replacing the stones in the temporary stabilized construction entrances to clean the truck tires).

4.6. The Contractor shall include pavement-cleaning methods in the Dust Control Plans to prevent the generation and/or accumulation of dirt, debris, dust or other foreign matter due to worksite activities on all adjacent pedestrian ways/roadways/parking lots. Approved methods of cleaning shall remove, not displace all accumulations. The Contractor is solely responsible for all spillage from vehicles and refuse containers and shall be cleaned immediately.

5. SCHEDULE

5.1. The project areas for each phase will be available for Contract work Monday through Friday between the hours of 7:15 a.m. to 4 p.m. If the Contractor desires or needs to perform work during hours or days other than that stated, a written request, which is to include the number of work hours, starting times, dates of the proposed work and a statement that this after hour work is to be performed at no additional cost to the government, shall be submitted to the CO seven (7) days in advance. The CO will review each such request and respond with written approval, approval with qualifications or restrictions if and as necessary or disapproval. Approval of extended work hours' requests are not guaranteed and are at the sole discretion of the CO and or the 914th Base Civil Engineer.

5.2. No work is to be performed on Federal Holidays.

5.3. The following Federal legal holidays are observed by NFARS:

New Year's Day	1 January
Martin Luther King's Birthday	Third Monday in January
President's Day	Third Monday in February
Memorial Day	Last Monday in May
Juneteenth	19 June
Independence Day	4 July
Labor Day	First Monday in September
Columbus Day	Second Monday in October
Veterans Day	Second Monday in November
Thanksgiving Day	Fourth Thursday in November
Christmas Day	25 December

5.4. Holidays which fall on Saturday will be observed on the preceding Friday, or Sunday will be observed on the following Monday. If the Contractor desires to work on one of the above holidays, the Contractor must obtain either written or verbal approval from the CO a minimum of three (3) calendar days in advance. The CO may approve or deny the request if determined to be for the benefit of the Government.

5.5. **Performance Period:** The performance period for this Contract is 240 calendar days. The Contractor shall begin construction work as described in the scope of work within 10 days of Notice to Proceed (NTP). All meetings and progress reports are due in a timely fashion and will begin no later than 14 days after

receipt of NTP. All work, including any punch list items, must be completed no later than 240 days after receiving receipt of NTP. No construction work should begin prior to government issuing the NTP.

5.6. Some work will be located in restricted or controlled areas; the Contractor may experience delays due to compliance with entrance/exit requirements of restricted/controlled areas. Due to the nature of these restricted/controlled areas and mission requirements, the Contractor may not have access to these areas on any given day and may be requested to leave the restricted/controlled areas at any given time. It shall be the Contractors responsibility to coordinate restricted/controlled areas work with the job site customers. Delays shall be noted on the daily reports and when verified by the Government; the Contractor will be given these delay times back at end of performance period if necessary, and no cost allowance/adjustment shall be allowed and therefore shall be part of the Contractor's Proposal.

5.7. High priority mission schedule delays. The Contractor's performance may be interrupted from time to time because of high priority mission schedules. For each calendar day and/or portion of a calendar day that the Contractor is removed from the job site, the performance period will be extended by one (1) calendar day. The Contractor shall document any delays and request extension of performance period. Liquidated damages will not be assessed for delays caused by the Government.

5.8. Weather Delays:

5.8.1. The Contractor will comply with all applicable weather restrictions that may limit access to the airfield at certain times, at no additional cost. The Contractor shall log any weather events that impacts the performance of the project. The log shall include the date of the weather event, duration of work effected, type of weather event, description of all work effected by the weather event. The CO will review all requests for weather delays, the weather event (type, duration), and the work effected. The CO will determine, if the weather event is beyond reasonable anticipation, and the impact on the completion of the Contract. After reviewing the CO will determine if weather delays will be assessed against the contract and alter the completion date accordingly.

5.9. Meeting Schedule Requirements:

5.9.1. Progress Meetings: For the duration of the Contract, at the CO's discretion progress meetings will be held weekly between the CO, 914th CE representative, Airfield Management (AM), and the Contractor's team. Progress meetings may require corporate management representation at the CO's discretion.

5.9.2. Pre-Construction Conference: After the issuance of the Contract Award, the Contractor shall meet with the CO prior to the commencement of any work to

discuss any issues pertaining to the work. During this meeting, the team will review the phasing schedule and discuss critical submittals. The CO will provide the Contractor with site storage and parking areas. Any Government Furnished Property required for the Project shall be distributed or arranged to be distributed to the Contractor.

5.9.3. Pre-Construction Safety Meeting: Representatives of the Contractor shall meet with the CO prior to the start of construction activities for the purpose of reviewing the Contractor's safety and health programs and discussing implementation of all safety and health provisions pertinent to the work to be performed under the Contract. The Contractor shall be prepared to discuss, in detail, the measures he/she intends to take in order to control any unsafe or unhealthy conditions associated with the work to be performed under the Contract. This meeting may be held in conjunction with the Pre-Construction Conference, if elected by the CO. The conduct of this meeting is not contingent upon a general Pre-Construction Conference. The level of detail for the safety meeting is dependent upon the nature of the work and the potential inherent hazards. The Contractor's principal onsite representative(s), the general superintendent, and his/her safety representative(s) shall attend this meeting.

5.9.4. For all meetings, the Contractor shall prepare, publish, and submit meeting minutes for CO approval. Meeting minutes shall track all action items assigned, document all items discussed at the meeting, and record the meeting's attendees. Meeting minutes shall be published no later than 5 working days following meeting dates.

6. CONTRACTOR RESPONSIBILITY

6.1. All Contractor personnel shall present a neat appearance, and shall not wear clothing that depicts any symbol, logo or language deemed racial, lewd or offensive. Contractor personnel shall always have proper safety equipment/clothing on in accordance with (IAW) all applicable OSHA standards. All Contractor personnel shall always wear shirts.

6.2. Contractor and Sub-Contractor Employee Identification Badges (EIB): Prior to mobilization, the Contractor shall provide the CO with a list of personnel requiring authority to work on NFARS. The list shall be kept current, and the CO or authorized representative notified as to any changes in the list. The listing shall include, but not be limited to: Contract Name, Contract Number, Project Number, Employee (Name, Home Address, Badge Number, date of birth, social security number, and citizenship) and the estimated starting and ending date of each employee. Listing shall be amended as employees are hired or released. The Contractor shall provide each prime Contractor employee with an EIB. Information on this badge shall include the title "AIRFIELD JOINT SEALANT – NIAGARA FALLS ARS", the prime Contractor's name, the individual's name, and a passport sized photograph of the individual. The Contractor shall have EIBs completed prior

to the Contract start date. New employees shall have completed badges prior to performing work under this contract. EIBs shall be worn or attached to the outer garment at all times. All badges worn within the designated airfield areas shall be secured to each individual using a plastic armband or a nylon/cotton cord and shall not contain any form of metal. The paper pass shall not be substituted for the EIB. Any badges lost during the period of work will be reported to the CO and Base Security Forces immediately upon the discovery that they are missing.

6.3. Sub-Contractor EIB: The Contractor shall provide generic non-photo EIBs for all Sub-contractor personnel identifying them as Sub-contractors to the Project Contractor. The EIB shall read: "Sub-contractor to (Name of the Contractor)" and the NFARS Contractor Office phone number. The paper pass shall not be substituted for the EIB.

6.4. Contractors operating on NFARS shall be responsible for briefing and ensuring their employees adhere to the traffic rules and regulations. The PM, PS, and other personnel providing workman leadership shall ensure the workers comply with these rules and regulations. Speed limit on NFARS is 25 MPH unless otherwise posted. The speed limit in parking lots is 5 MPH. Individuals are to obey all entry procedures. If instructions are given by the Security Forces personnel on the entry points (gates), they shall be complied with immediately. Any traffic violations will be handled IAW 914 DAFI 31-218, Motor Vehicle Traffic Supervision most current edition. All traffic violations shall be recorded and can cause on-base driving privileges to be temporarily or permanently revoked. Criminal offenses are handled by the Security Forces unless serious enough to involve the Office of Special Investigations or local law enforcement.

6.5. The Contractor shall comply with DAFI 71-101, Volume-1, Criminal Investigations Program, and Volume 2, Protective Service Matters requirements. Contractor personnel shall report to an appropriate authority, any information or circumstances of which they are aware that may pose a threat to the security of DoD personnel, Contractor personnel, resources, and classified or unclassified defense information. Contractor employees shall be briefed by their immediate supervisor upon initial on-base assignment and as required thereafter.

6.6. At all times during the performance of the contract and until the work is completed and accepted, the Contractor shall directly superintend the work or assign and have on the worksite a competent Superintendent who is satisfactory to the CO and has the authority to act for the Contractor.

6.7. The Superintendent is to oversee and coordinate all project related work and is required to be on site at all times physical work is being performed. The Superintendent shall be able to read, write, fluently speak and understand the English language.

6.8. Failure to comply with this requirement may be deemed as cause for a non-compensatory stoppage and suspension of work until the deficiency is remedied.

6.9. The Contractor is responsible for supplying their own restroom facilities.

6.10. It is expected that the Contractor will be cooperative in cases of emergencies or aircraft movements through the working areas if necessary. The Government will provide as much notice as possible before potential aircraft movements that may disrupt the project.

6.11. Survey and Mapping Requirements:

6.11.1. The Contractor must be capable of surveying to lay out the project work sites to perform its work. Drawings shall clearly indicate both existing and new spot elevations and Benchmarks.

6.11.2. If applicable, work outside the limits of work shown in the drawings shall require the submission of geospatial/mapping data. This includes, but is not limited to, building and structure footprints, utilities, infrastructure, survey data, etc.

6.11.3. All maps and associated data must comply with the latest version of Spatial Data Standards for Facilities, Infrastructure, and Environmental (SDSFIE). Spatial data will meet or exceed National Map Accuracy Standards at those scales.

6.11.4. Geospatial data must be delivered in a georeferenced GIS format (feature-based file structures, including one-to-one cardinality between spatial records and attribute records). All geospatial data must be delivered in UTM: World Geodetic System of 1984 projection.

Quality Assurance:

6.12. All items of work not addressed in these Technical Provisions shall be completed in strict accordance with the manufacturer's specifications.

6.13. The contents of the Technical Provisions shall govern all situations, except where they conflict with the manufacturer's warranty requirements. All procedures necessary to obtain the specified manufacturer’s warranty shall be followed.

6.14. The Government is not obligated to inspect the Contractor's work or protect the Contractor from the consequences of such work. The Government inspection is a general examination of the Contractor's conduct and workmanship and is solely for the purpose of the Government.

6.15. Government agents, including inspectors, engineers, and quality assurance evaluators are not authorized to change the Contract without the written approval of the Contracting Officer. This lack of authority extends to all situations in which the actions of these agents could be considered as constituting a change to the Contract.

6.16. The quality of workmanship is subject to audit by the Government or Government designated inspectors at any time during the Contract. The Contractor shall cooperate fully and provide all information necessary for this audit.

6.17. The Contracting Officer shall be notified prior to all tests. All tests shall be conducted in a timely manner so as not to impede the progress of the work. The Contractor shall conduct all tests as required by the Contract documents and the Contracting Officer.

6.18. The Contractor shall institute immediate action to correct all variances from the Contract and employ all procedures necessary to ensure future work conforms to the requirements of the Contract.

6.19. Submit all requests for changes in writing to the Contracting Officer. Do not proceed with changes without possession of written authorization by the Contracting Officer.

6.20. All materials shall be transported, delivered, handled and stored in a manner recommended by the manufacturer so as to prevent their damage or contamination. All materials shall be delivered in their original unopened containers with their descriptive labels clearly visible and legible. All materials susceptible to aging or curing shall be stored with the descriptive labels, including manufacturing date and shelf life, clearly visible and legible. The Contractor shall reject all materials, which have exceeded their shelf life.

Quality Control:

6.21. The Contractor shall appoint or hire one person to act as Contractor Quality Control System Manager whose sole responsibility shall be to ensure that all work proceeds according to the Contract.

6.22. This individual shall complete Quality Control report on a daily basis and submit it to the Contracting Officer prior to the commencement of work on the next day, or as instructed by the Contracting Officer.

6.23. The Contractor shall inspect joints during the cleaning process to correct improper equipment and cleaning techniques that damage the concrete pavement in any manner. Approve cleaned joints prior to installation of the separating or back-up material and joint sealant.

6.24. Sampling the Sealant: The Contractor shall obtain a one (1) gallon sample of each type of sealant on the project from material used for each 10,000 linear feet or less of joints sealed. Store samples according to sealant manufacturer's instructions. Retain samples until final acceptance of the work.

6.25. The Contractor shall inspect the joint sealant for proper rate of cure and set, bonding to the joint walls, cohesive separation within the sealant, reversion to liquid, entrapped air and voids. Remove sealants exhibiting these deficiencies prior to the final acceptance of the project from the joint, wasted, and replace at no additional cost to the Government. Obtain approval for each joint seal installation.

6.26. Sealant that fails to cure properly, or fails to bond to joint walls, or reverts to the uncured state, or fails in cohesion, or shows excessive air voids, blisters, surface defects, swelling, or other deficiencies, or is not properly recessed within indicated tolerances shall be rejected. Remove rejected sealer and reclean and reseal joints. Perform removal and reseal work promptly by and at the expense of the Contractor.

7. DIG PERMIT AND UNDERGROUND UTILITIES MARKING

7.1. The Contractor shall submit Form AF 103 (Dig Permit) through Base Civil Engineering at least Twenty-One (21) calendar days in advance of any digging or ground-breaking activities, which activities may commence only after the Contractor receives Base final approval of Form AF 103.

7.2. The Contractor shall be responsible for locating, marking, and verifying all utilities in the vicinity of the work area(s) using ground penetrating radar. Said locating, marking, and verifying of all utilities must be completed prior to base granting final approval of Form AF 103. The contractor shall complete utility locations in general conformance with Dig Safe requirements, and the Base will verify adequate field surface markings before approving the Dig Permit. The Contractor shall be responsible to coordinate with base agencies, and to ensure markings are placed over existing base infrastructure and/or utilities prior to any digging, drilling, boring, or directional drilling. The Contractor shall take precautions to protect existing infrastructure and shall be responsible for costs associated with repair of any damages caused during digging, drilling, boring, and installation activities. The Contractor is responsible for maintaining all markings prior to and during construction.

7.3. 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 or encased obstruction not indicated to be specified or removed but 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.

8. WORKSITE MANAGEMENT

8.1. The Contractor shall provide non-combustible or self-extinguishing material drop cloths to cover material storage during construction. The Contractor shall take necessary care to ensure inclement weather does not damage government property and schedule work so as to minimize its impact on progress of the work. At the end of each workday the Contractor shall protect all entrances and access lanes to the project phases and work areas. No work will be permitted unless barriers and guarding devices are used that meet applicable safety standards and have been approved by the Contracting Officer.

8.2. The work areas can be subjected to high winds. The Contractor shall employ methods to prevent the blowing of dust, debris or any other materials at all times. The work area being on the airfield, blowing debris in the vicinity of parked or operating aircraft will not be tolerated at any time.

8.3. Daily Cleanup: In addition to the requirements in FAR 52.236-12 Cleaning Up, the Contractor shall maintain a worksite free from accumulation of debris. The Contractor shall empty trash receptacles on a regular basis throughout the day's activity to avoid overflow or spillage. The Contractor shall perform daily general sweeping/pick-up of debris prior to close of a day's worksite activity; empty all trash receptacles into worksite refuse containers and remove any trash receptacles from the airfield; and shall comply with protection of existing Government property. The Contractor shall keep the pavements clean to prevent the generation and accumulation of dirt, debris, dust or other foreign objects which may result in FOD.

8.4. To prevent FOD no dumpsters, equipment, or materials shall be allowed to stay on the airfield overnight without approval from the CO. Loose materials will not be allowed to be stored or staged on the airfield. All materials shall be secured/contained to prevent FOD.

8.5. Trash Receptacles: Worksite barrels/carts used for general daily debris accumulation. Trash receptacles shall be free from graffiti and shall have "TRASH" stenciled on two opposite sides of the receptacle. Trash receptacles/dumpsters will not be allowed to stay on the airfield overnight.

8.6. Recycling of Demolition Debris and Scrap: The Contractor shall provide for the life of the contract, dumpsters for the temporary holding and transfer of recyclable construction debris generated by the Contractor and Sub-contractors. The dumpsters shall be marked with their contents, i.e., wood, scrap metal, cardboard, and glass. Containers shall be stored with securable covers in the Contractors' laydown area adjacent to their offices, unless otherwise approved by the CO. At no point during the contract shall the receptacles/dumpster(s) be allowed to overflow.

8.7. Demolition/Bulk Debris: When required, the Contractor shall provide refuse containers for the large accumulation of demolition waste and other debris. Hauling

of demolition/bulk debris to refuse containers shall comply with protection of existing Government property. Trucks may be utilized for removal of demolition/bulk debris but shall not be utilized for demolition/bulk debris accumulation. The Contractor shall empty refuse containers and trucks on a regular basis to avoid overflow, spillage, and remain below tonnage allowances for travel on municipal and base roadways IAW current Local, State, and Federal regulations.

8.8. The burning of trash and the use of explosives are not permitted.

8.9. Trucking: The Contractor shall remove all loose debris on truck sidewalls prior to leaving the worksite and shall be loaded in a manner that shall prevent dropping of materials on roadways IAW current local, state and federal ordinances and regulations. The Contractor shall provide suitable covers/tarpaulins overloads prior to leaving the worksite. The Contractor shall be responsible for any clean up, and liable for any resulting damage from any debris that may fall from trucks/refuse containers.

8.10. Electricity and water shall be provided by the Government. Any extension of, or corrections to, the existing lines and their removal will be at the expense of the Contractor. All connections to existing utilities, if necessary, shall be coordinated with the Government. The Contractor is responsible for supplying their own restroom facilities.

8.11. Pavements Cleaning: The Contractor shall include pavement-cleaning methods in the Dust Control Plans to prevent the generation and/or accumulation of dirt, debris, dust or other foreign matter due to worksite activities on all adjacent pedestrian ways/roadways/parking lots. Approved methods of cleaning shall remove, not displace all accumulations. The Contractor is solely responsible for all spillage from vehicles and refuse containers and shall be cleaned immediately.

8.12. Grounds Maintenance. In addition to the requirements of FAR 52.236-9 Protection of Existing Vegetation, Structures, Equipment, Utilities and Improvements, the Contractor shall:

8.12.1. Not park any vehicle or equipment on grassed areas, unless otherwise authorized by the 914th MSG/CE Project Manager. When authorized, parking on grassed areas shall only be for short- term delivery purposes (to include heavy tools, equipment, construction materials etc.), vehicles shall then be promptly removed. Tire/ track impressions (ruts) created on wet or soft soils by vehicles and/or equipment shall be restored to original state by the end of the project, or as otherwise directed by the CO.

8.12.2. All trees, shrubs, bushes, vegetation beds and grass shall be protected from damage at all times.

8.12.3. The Contractor shall repair/replace all damaged pavements resulting from Contractor operations/negligence, to include Sub-contractors and deliveries at no additional cost to the Government.

8.12.4. All grass, trees, shrubs, bushes, etc. that shall be maintained by the Contractor due to area not being accessible by grounds maintenance shall be maintained in accordance with Air Force Common Output Level Standards (AF COLS) Grounds Maintenance (area sub-function shall be determined by the CO) and Air Force Grounds Maintenance Standards. This maintenance shall be at no additional cost to the Government.

8.13. Worksite Safety: The Contractor shall provide applicable safety signage, first aid kits, and fire extinguishers at all worksites IAW EM 385-1-1 and applicable current Local, State, and Federal regulations.

8.14. All items having any apparent historical or archeological interests that are discovered in the course of any construction activities shall be carefully preserved. The Contractor shall leave the archeological find undisturbed and shall immediately report the find to the CO. The Contractor (e.g. construction crew, utility workers, etc.) must also immediately notify Cultural Resources Management (CRM) at 716-236-3126 and follow procedures found in DAFMAN 32-7003, Environmental Conversation.

8.15. Snow Removal: The Contractor shall remove snow from pavements and walkways within their worksite and under their control to always ensure safe ingress and egress to the worksite and associated facilities.

8.16. Foreign Object Debris (FOD) Prevention Program

8.16.1. The Contractor will be required to maintain cleanliness of taxiway, runway, and apron pavements at all times during progression of work order to alleviate foreign object debris (FOD). The Contractor will be required to remove all materials and equipment to a safe distance from the airfield at the close of each day's work. This distance will be determined by the CO. The Contractor will not be allowed to stockpile any materials or store any equipment on the airfield without approval from the CO.

8.16.2. The Contractor shall establish and maintain an effective FOD prevention program that meets or exceeds the requirements of Air Force Materiel Command Instruction 21-122. The program is designed to eliminate the introduction of any foreign object that could damage an aircraft, aerospace component, or aerospace support equipment operated at this depot facility. The FOD program must be integrated into the day-to-day operations to reduce/eliminate FOD incidents. Such program shall include covering waste dumpsters, barriers in place to stop migrating FOD from dirt and gravel piles, and end-of-shift or daily clean-up. The Contractor must brief his/her

personnel at least weekly on any FOD requirements. All Contractors/ subcontractors performing maintenance in a FOD-Potential area will receive and have documented Initial FOD Awareness and Prevention training. All vehicle operators will perform a foreign object inspection on all towed equipment/ vehicle tires and open cargo areas of vehicles prior to entering the runway, taxiway, flightline, and aircraft parking ramps and other areas directed by the NFARS FOD Awareness and Prevention Office. All "open-air" Contractors, subcontractors and delivery vehicles must be free of loose items/debris that could potentially fall from the vehicle and cause a FOD hazard. The cargo beds of all pick- up trucks must be clean or covered prior to entering the airfield. Vehicles will be subject to inspection and denied entry if found to be unacceptable. The office/ representative responsible for Contract oversight will ensure the Contractor is properly briefed/trained and understand vehicle requirements. The Contractor shall ensure strict control for all tools, equipment, rags, residue, and hardware.

9. GOVERNMENT PROJECT MANAGEMENT

9.1. The Base Civil Engineer (BCE) reserves the right to assign a government-provided Contracting Officer's Representative (COR) to monitor Contractor progress and identify non- compliance items while performing technical surveillance of workmanship. The COR must have access to the job site whenever work is being performed and, at a minimum, during the described work hours. This in no way authorizes ANYONE, except the CO, the right to commit the Government financially, or contractually, by making changes to the Contract. The COR and Superintendent may jointly agree to a No-Cost Field Change, which appears to be mutually beneficial to all involved, but all field changes must be approved by the CO prior to accomplishment. The COR does not relieve the Contractor of their own quality control and construction inspection to ensure all applicable standards are met.

9.2. Inspection of work by the Government will normally be accomplished along with the work as it progresses. At the discretion of the CO, inspection may be directed at the completion of various phases of the work prior to initiation of any further work. The Contractor shall notify the CO that a phase will be complete at least 3 days in advance of the completion of each phase to be inspected.

9.3. Prior to covering, enclosing, or hiding any of type work, the Contractor shall contact the CO to perform an inspection. Failures to have the CO or his/her representative perform inspection prior to concealment shall result in the Contractor being required to uncover performed work sufficiently to allow for proper inspection, at no additional cost to the government.

9.4. Punch-Out Inspection: Conduct an inspection of the work by the Quality Control Manager near the end of each phase of work, or any increment of the work considered critical. Prepare and include in the Quality Control documentation a list of items which do not conform to the approved drawings and specifications. Include

within the list of deficiencies the estimated date by which the deficiencies will be corrected. Make a second inspection with the Quality Control Manager or staff to ascertain that all deficiencies have been corrected. Once this is accomplished, notify the Government that the facility is ready for the Government Pre-Final inspection.

9.5. Pre-Final Inspection: The Government will perform the pre-final inspection to verify that the project work is completed according to the Contract. A Government Pre-Final Punch List may be developed as a result of this inspection. Ensure that all items on this list have been corrected before notifying the Government, so that a Final inspection with the customer can be scheduled. Correct any items noted on the Pre-Final inspection in a timely manner. These inspections and any deficiency corrections required by this paragraph need to be accomplished within the time slated for completion of the entire work or any particular increment of the work if the project is divided into increments by separate completion dates.

9.6. Final Acceptance Inspection: The Contractor's Quality Control Inspection personnel, plus the superintendent or other primary management person, and the Contracting Officer's Representative is required to be in attendance at the final acceptance inspection. Additional Government personnel including, but not limited to, those from Base Civil Facility Engineer user groups, AM, and major commands can also be in attendance. The final acceptance inspection will be formally scheduled by the Contracting Officer based upon results of the Pre-Final inspection. Notify the Contracting Officer at least 14 days prior to the final acceptance inspection and include the Contractor's assurance that all specific items previously identified to the Contractor as being unacceptable, along with all remaining work performed under the Contract, will be complete and acceptable by the date scheduled for the final acceptance inspection. Failure of the Contractor to have all contract work acceptably complete for this inspection will be cause for the Contracting Officer to bill the Contractor for the Government's additional inspection cost in accordance with the Contract clause titled "Inspection of Construction".

10. BASE ACCESS REQUIREMENTS FOR THE CONTRACTORS

10.1. Please be advised that this Contract will require The Contractor personnel to have access to Niagara Falls Air Reserve Station (NFARS). Access to NFARS is only authorized to US Citizens with current Real ID compliant identification. Individuals who are not US Citizens (Foreign Nationals, Permanent Residents, etc.) will NOT be allowed access as part of this contract.

10.2. All civilian Contractors who work on Base shall submit the person’s credentials for all entry requests. An Entry Authorization Letter (EAL) will be completed and sent to the CO. The EAL will be sent to the NFARS Visitors Center for verification. The Visitors Center will issue a Contractor ID card/Pass for a period up to one (1) year at a time, not to cross over contract option periods.

10.3. Confirmation of Contractor's employees will be accomplished by verifying the person's credentials (driver's license, insurance, registration, etc.) against the Contractor supplied employee list and local criminal background check. Contractor's employees may be denied access to the base depending on the results of their criminal background check. Contractor's employees granted a pass of four months will have a photograph ID card issued. Contractor's employees/subcontractors granted a pass of less than four months will be given a paper pass with photograph. Supplier vehicles delivering materials to NFARS will be granted entry upon presentation of a valid bill of lading and/or delivery slip.

10.4. The employee driving a contractor vehicle must show the contractor vehicle is covered by insurance, accompanied by a copy of the registration.

10.5. Entry Procedures: All commercial vehicles are searched prior to entry into NFARS. Vehicle operators need to be aware of the vehicle search pull-off area prior to approaching the Main Gate. A search of the vehicle will be conducted prior to its entry. All vehicles not needed for delivery of equipment or tools will be parked in a designated parking area accessible to the work location after being cleared through Security. Location will be arranged/determined at Pre-Construction Meeting.

10.6. Personnel operating motor vehicles on roadways must possess a valid driver's license for the vehicles they operate. Personnel operating motor vehicles on the flight line shall be certified IAW NFARS regulations.

10.7. In addition to the requirements in DFARS 252.236-7005 Airfield Safety Precautions, the Contractor shall contact the CO/CE for construction restrictions involving the airfield, taxiway and runway areas and shall comply with DAFMAN 13-204V2_AFRCSUP, EM 385-1-1 Section 32 Airfield Operations, AFI 13-213 AFRCSUP_NFARSSUP, dated 11 Aug 2023 or the most current edition. Access to project sites within the flight line area shall require the Contractor to attend and complete the Base airfield driver's course at no additional cost to the Government. The Contractor will be escorted at all times in access controlled and restricted areas and shall immediately comply with all directions from the escort. The contractor will check in at the start of each day with Airfield Management to report scheduled work for the day. The Contractor will comply with all applicable weather or security restrictions that may limit access to the airfield at certain times, at no additional cost.

11. ENVIRONMENTAL PROTECTION

11.1. All work must be performed in accordance with the NFARS Environmental Management and Protection Specifications (Section 01 57 20.00 10) requirements. Any questions concerning environmental conditions or problems shall be referred to 914 MSG/CEV at (716) 236-3126.

11.2. Should concrete be required for minor spall repairs, The Contractor shall inform the Government of the proposed concrete washout methods for approval prior to implementation.

11.3. Collect, containerize and properly dispose of all waste materials generated from the project off base, including but not limited to waste sealant, sand blasting material, debris, and trash. Waste materials must be containerized and removed as soon as practical from the work area.

11.4. Water used to clean joints may be released to the on-base storm sewers as long as it is filtered at the point of discharge and there is no evidence of spills or leaks of toxic materials. The Contractor shall provide the filtration method to the Government for review and approval prior to creating any wastewater.

11.5. Demolition materials shall be listed on the Waste / Recycled Materials Log for contractors, see Section 01 57 20.00 10 ENVIRONMENTAL MANAGEMENT AND PROTECTION.

11.6. The Contractor shall prevent oily or other hazardous substances from entering the ground, drainage areas, storm drainage system, or local bodies of water. In location of disturbances where drains or coverts are located, drains shall be covered, managed, and inspected by the Contractor's Project Manager to make sure no waste will find its way into storm sewer system. This inspection shall take place daily as work is progressing.

11.7. The Contractor shall be responsible for characterization, storage, describing, packaging, labeling, marking, and placarding of wastes related to the removal of the joint sealant to include waste sealant and sand blasting material/media at a minimum. The Contractor shall characterize the waste as required by the disposal facility. Any analytical results shall be forwarded to 914 MSG/CEV for review and approval. Waste shall not leave the base until approval has been obtained from 914 MSG/CEV. It is anticipated the waste will be characterized as non-hazardous. The Contractor shall manifest, pack, ship and dispose of all waste in compliance with Federal, State and local laws and regulations.

11.8. The Contractor shall comply with Base standards for storage of hazardous materials such as sealant and gasoline and wastes. Bulk materials and wastes must be secured and stored under cover. Maintain supplies on hand to contain and cleanup any spills generated by the Contractor's activities. Report any spills in accordance with the Base SPCC Plan as described in Specification Section 01 57 20.00 10, Attachment #1. Handle generated hazardous waste in accordance with federal, State, county and local regulations, including 40 CFR 262. Dispose of hazardous waste in strict accordance with federal, State, county and local regulations including 40 CFR 263 and 40 CFR 264. The Contractor shall submit Safety Data Sheets (SDS), anticipated container size and quantities to be used for any hazardous materials to be used for this project prior to bringing the materials on base for approval by the Government.

11.9. The Contractor shall not dispose of hazardous materials/waste in any dumpster, sanitary sewer, storm sewer or dispose of hazardous materials/waste by any other means on government property. Wastewater materials from markings cleaning and removal shall not be discharged in the sanitary or storm sewers.

11.10. Quarterly the Contractor must submit the Waste / Recycle Materials Log for Contractors with a list of materials disposed of and recycled.

11.11. Green Purchasing: The Contractor shall comply with the Green Purchasing requirements of the contract (e.g., EPA Comprehensive Procurement Guideline, USDA Biobased, Green Seal Energy Star, etc., items). Recycled materials must be used to fullest extent in accordance with Executive Order 13101. The EPA website, http://www.epa.gov/cpg, can be accessed for further instruction on what is an EPA-designated material.

12. WARRANTY

12.1. The Contractor shall supply a minimum 1-year warranty, which has no dollar limit, and does not require periodic inspections and repairs at the Government's expense. Please refer to FAR Clause 52.246-21 Warranty of Construction, and to UFGS 07 57 13.

12.2. Provide manufacturers' standard performance guarantees or warranties that extend beyond a one-year period.

13. SUBMITTALS

13.1. Procedures: Deliver all submittals to the Contracting Officer within fourteen (14) calendar days after the Notice to Proceed, unless otherwise specified. Unless otherwise specified, furnish submittals in four (4) copies. One (1) signed and dated copy will be returned to the Contractor after approval or disapproval by the Contracting Officer.

13.1.1. Transmit each item using AF Form 3000, Material Approval Submittal. When required by individual Statement of Work sections, submit samples that fully illustrate functional characteristics of the product specific to the work within this Statement of Work. Identify project, Contractor, subcontractor, major supplier, identify pertinent drawing sheet and detail number, and Statement of Work paragraph number, as appropriate. Identify deviations from contract documents. Contractor may submit "Letter of Intent" attached to AF 3000 identifying Statement of Work paragraphs where material used will be as specified.

13.1.2. Government's review will be limited to ten (10) calendar days if submittals are in conformance with design concept and general requirements of the project.

Approval by the Government shall not absolve the Contractor from his/her responsibilities for specific performance of the item or items submitted. Review, corrections, or comments made on the submittals do not relieve the contractor from compliance with the requirements of the drawings, addendums, and contract documents. By entering into this contract, the contractor agrees that the purpose of submittals is to demonstrate to the Contracting Officer that the contractor understands the design concept and that he/she demonstrates their understanding by indicating which equipment and material he/she intends to furnish, install, and use. Review of shop drawings will be general only for basic conformance with the design concept. The Government's review of such drawings, schedules, or cuts shall not relieve the contractor from the responsibility for correcting all errors of any sort contained in the submittals.

13.1.3. Submittals shall be accepted only from the Contractor (not sub-contractor or material supplier), who shall check submittals for completeness, accuracy for construction purposes, and conformance with contract requirements and shall indicate his/her concurrence on each submittal.

13.1.4. Materials incorporated into the work prior to approval from the Contracting Officer are at the Contractor's risk. The Contractor may be required to remove and replace them with approved materials at his/her own expense.

13.1.5. Data for operational test reports and commercial warranty and/or guarantee shall be furnished in one (1) copy only.

13.2. Material submittals are required for all materials being submitted. Any other items (e.g. Progress Schedules, Dig Permits, Test Reports, As-Builts) requiring approval that have not been required to be submitted earlier with the Contractor's proposal package shall be submitted by the Contractor using AF IMT 3000. These type submittals shall be submitted no later than fourteen (14) working days after the issuance of the "Notice to Proceed" (NTP) or as otherwise directed by the CO. The Contractor shall install, catalog and maintain submittals, as approved. The Contractor will not order any type of materials until the Material Approval Form has been signed and approved by all parties. If the submittal has been disapproved, the explanation will be noted in the back of the Material Approval Form and shall then be resubmitted in the time frame noted on the Material Approval Form. Requirements for submittals no later than five (5) working days after issuance of the NTP are:

13.2.1. The Contractor shall submit to the CO all required documents and samples for a particular item on the approved List of Submittals as a group package. Partial submittals for product approval will be returned without action and shall be the sole responsibility of the Contractor for any delays due to this failure to comply. All printed documents shall be legible, and as a minimum, one shall be an original version (not copied nor Fax generated). When multiple items are included in printed documents, the Contractor shall mark/ highlight all

applicable data regarding the item presented for approval. The Contractor shall mark/ highlight product data showing where the material or item being submitted meets the requirements of the specifications, UFCs, NFPAs, etc.

13.2.2. The Contractor is responsible for identifying and locating required materials for submittals to include matching any existing materials.

13.3. **Shop Drawings:** When required by individual Statement of Work sections, submit shop drawings in triplicate which will be retained by the Government. "Shop Drawings" are defined as drawings, diagrams, illustrations, schedules, performance charts, brochures and other data prepared by the Contractor or any subcontractor, manufacturer, supplier, or distributor, which illustrates how specific portions of the work shall be fabricated and/or installed.

13.3.1. Shop drawings shall be prepared by people competent and experienced in the trade involved. Drafting skill is not a requirement but accuracy and completeness of Drawings shall reflect field measurements and conditions and shall show the relationship of the item to adjacent materials. Drawings shall be submitted in ".dwg" or ".dgn" and in ".pdf" format when required.

13.3.2. Shop drawings are not part of the contract documents. Contract documents are prepared under the guidance of the design professional. Shop drawings by long standing tradition in the construction industry are usually prepared by trade people who are not registered architects or engineers but may be submitted in ".dwg" or ".dgn" and in ".pdf" format when required.

13.3.3. The purpose of shop drawings is not to depict or define design, but it is to show how the construction document or requirements are to be implemented.

13.4. **As-Built Drawings:** The Contractor will have full access to all Record and As-Built drawings located in 914th MSG/CE as required. The Contractor may obtain one (1) copy of the appropriate record drawings, if available, from 914th MSG/CE. The Government does not guarantee the availability, accuracy or adequacy of existing As-Built or record drawings. During the progress of the work, the Contractor shall keep a careful record at the job site of all changes and corrections (Red Line Drawings) from the layouts shown on the preliminary drawings submitted with their proposal, when applicable. The Contractor shall enter such changes and corrections on preliminary drawings promptly and submit drawings to the CO in accordance with the schedule. The As-Built drawings shall indicate, in addition to all changes and corrections; any uncovered electrical, piping or mechanical lines not shown on the drawings, existing construction that is not noted on the record drawings, the actual location of all subsurface utility lines, existing or new. In order that the location of these lines and appurtenances may be determined in the event the surface openings or indicators become covered or obscured, the record drawings shall show, by offset dimensions to two (or three if height changes) permanently fixed surface features, the end of each run including each change in

direction. Valves, splice boxes, and similar appurtenances shall be located by dimensioning along the utility run from a reference point. The depth below the surface of each run shall be recorded, in addition to the size and type of conduit or pipe used for the run. At the time of beneficial occupancy of each structure or facility involved under the contract, the Contractor shall submit to the CO As-Built plans with the aforementioned data. In addition to the requirement for As-Builts at final inspection. As-Built drawings shall be submitted for approval no later than the date of the final inspection. The Contractor shall provide approved As-Built drawings in both a hard copy format (Mylar copy) as well as a Contractor provided CD compatible with the 914th MSG/CE AutoCAD, or computer aided drafting/design software compatible with Government drafting/design software and computers. The Contractor shall include a line item for As-Built drawings in all progress schedules.

13.4.1. As-Built drawings shall be submitted in a version of AutoCAD that is coordinated with 914th MSG/CE drafting section at time of submission. The As-Built DWG files shall have no reference files attached as all shall be bound into the file to make one AutoCAD DWG file, which also shall be purged and created with standard AutoCAD pen table. Scaled drawings should provide a bar scale and shall be in imperial system units. Contractor shall provide one (1) hard copy of As-Built on Mylar on an Arch D sheet size and one (1) CD in AutoCAD and PDF. Final As-Builts shall include the assigned building number in the title block.

13.4.2. Drawings submitted for approval as As-Builts shall have all changes incorporated into the final drawings.

13.4.3. Revision symbols shall be accompanied with an entry in the sheet's revision block. Revision block entries shall consist of a brief description of the change along with the change order number.

13.4.4. Each sheet shall be annotated in bold letters near the title block with the date the As-Builts were accepted (i.e. AS-BUILT DRAWING 12 APR 2024).

13.5. **Product Data:** When required by individual Statement of Work sections, submit in duplicate product data that indicates compliance to listed standards.

13.5.1. Mark each copy to identify applicable products, models, options, and other data; supplement manufacturers' standard data to provide information unique to the work. Include manufacturers' installation instructions when required by the Statement of Work section.

13.5.2. Trade names of specific products used in this Statement of Work are used for purposes of defining general quality and performance. They are not used to preclude the use of products of equal characteristics by other manufacturers. The Government reserves the right to determine equality.

13.5.3. The Contractor shall submit to the Government with any request for approval of substitutions, complete data including performance and chemical makeup for both the specified and proposed item.

13.6. **Certificates:** Each certificate required by the contract documents shall be signed by an officer, agent, or individual lawfully authorized by the company or manufacturer to execute the certificate and such authority shall be cited in the certificate by description, title, or other acceptable evidence. Deliver all certificates to the Contracting Officer.

13.7. **Manufacturers' Detailed Instructions:** Submit the manufacturers' detailed preparation and installation instructions for various materials specified to be installed in accordance with such instructions.

13.8. **Material Furnished Under Standard Specifications:** For various materials specified by reference to standard or reference type specifications, prepare and submit a list of such materials stating manufacturer's name and identifications to extent requested by the Contracting Officer.

13.9. In addition to any submittal's requirements listed above, provide the following project specific submittals for government review and approval prior to initiating work:

13.9.1. Work Schedule
13.9.2. Joint Sealant Product Data, per UFGS 32 01 19.61
13.9.3. Blocking Media/Backup Materials Product Data, per UFGS 32 01 19.61
13.9.4. Backer Rod Product Data, per UFGS 32 01 19.61
13.9.5. Bond Breaking Tapes Product Data, per UFGS 32 01 19.61
13.9.6. Joint Sealant Factory Test Report, per UFGS 32 01 19.61
13.9.7. Equipment List, per UFGS 32 01 19.61
13.9.8. Joint Sealant Manufacturer's Instructions, UFGS 32 01 19.61