DEPARTMENT OF THE AIR FORCE
167 AIRLIFT WING
CIVIL ENGINEER SQUADRON
MARTINSBURG, WV

STATEMENT OF WORK

REPAIR BASE PAVEMENTS FY2026

PROJECT NO.

PJVY 260332

DEPARTMENT OF THE AIR FORCE

MICHAEL.JOSH.WILLIAM.1051985946

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167th CIVIL ENGINEERING SQUADRON

SHEPHERD FIELD AIR NATIONAL GUARD BASE
MARTINSBURG, WV

REV: 21 July 2026

1. GENERAL INFORMATION

1.1. DEFINITION OF TERMS

1.1.1. GOVERNMENT refers to the United States GOVERNMENT and the United States Air Force as represented by the United States CONTRACTING OFFICER or their designated representative, the CONTRACTING OFFICER's REPRESENTATIVE (COR) from the 167th Civil Engineering Squadron.

1.1.2. CONTRACTOR refers to the CONTRACTOR, the SUBCONTRACTOR for the CONTRACTOR, any and all CONTRACTOR and SUBCONTRACTOR employees or personnel, the CONTRACTOR's tools, and the CONTRACTOR's vehicles and equipment.

1.1.3. NOTICE TO PROCEED (NTP) provides written notification that the CONTRACTOR may begin work. This shall allow the CONTRACTOR to begin submittals, site work, mobilization, etc. NTP shall be issued within 15 days of award. Project schedule shall be submitted within 5 days of NTP.

1.1.4. PERIOD OF PERFORMANCE (PoP) begins with the NOTICE TO PROCEED and ends after the final acceptance of the construction.

1.2. ABBREVIATIONS / ACRONYMS

KO:	CONTRACTING OFFICER
COR:	CONTRACTING OFFICER's REPRESENTATIVE
PoP:	Period of Performance
OTHERS:	Workmen under the employ of Other CONTRACTORS or the GOVERNMENT.
GFE:	GOVERNMENT Furnished Equipment
NTP:	Notice To Proceed provided by the CONTRACTING OFFICER
SOW:	Statement of Work
ECPs	Entry Control Points
OSHA:	Occupational Safety and Health Administration
ASTM:	American Society for Testing and Materials
UFC:	Unified Facilities Criteria (Design Manual)
UFGS:	Unified Facilities Guide Specifications
QA/QC:	Quality Assurance / Quality Control
EM:	Environmental Manager
MSDS:	Material Safety Data Sheet
VECP:	Value Engineering Contract Proposal
IAW:	In Accordance With

1.3. INSTALLATION STANDARDS

1.3.1. ****NO MATERIAL SHALL BE ORDERED AND NO WORK SHALL BE PERFORMED PRIOR TO ISSUANCE OF NTP BY THE KO.****

1.3.2. Repairs, replacements, new installations and re-installations shall conform to the "best practices" for building constructions, renovations and maintenance activities as specified by the installation Standards referenced below. The workmanship shall meet the requirements of these Standards and as normally provided by experienced trades personnel. The CONTRACTING OFFICER or COR must approve the workmanship as provided by representative samples from the CONTRACTOR prior to installation.

1.3.3. CONTRACTOR shall follow standards for electrical installations pertaining to fire protection and personnel safety found in the 2011 US National Electric Code (NEC).

1.3.4. CONTRACTOR shall follow standards for worker safety found in Occupational Safety and Health Administration (OSHA) requirements, EM385-1-1, National Electric Safety Code, and other similar Standards.

1.3.5. CONTRACTOR is responsible for disposal of all waste material to include non-hazardous and hazardous waste and shall comply with all Federal, State, and Local environmental laws and regulations and coordinate with Base Environmental Management Office (EMO).

1.3.6. CONTRACTOR shall adhere to all United States Air Force Unified Facilities Criteria (UFC) and United Facilities Guide Specifications. The 2011 US National Electric Code (NEC), Plumbing Codes, International Building Code (IBC), and the West Virginia Building Code (WVBC) shall be the minimum construction standard allowed.

1.3.7. Fire alarms and smoke/fire detection system and consideration for egress shall be provided per NFPA. 167th Fire Department requires a Monaco Fire Alarm panel system. Exterior walls, interior bearing walls (and/or columns) and roof assembly shall meet minimum blast and ballistic mitigation criteria as set forth by UFC 4-020-02FA. Finally, all concrete design shall be in accordance with all UFC and ACI 318 Code Requirements for Structural Concrete.

1.3.8. The CONTRACTOR shall perform site preparation as required in accordance with drawings and specifications included within this Statement of Work (SOW). Questions pertaining to the depth and extent of the site preparation shall be directed to the CONTRACTING OFFICER's REPRESENTATIVE (COR). Alteration of existing surfaces or facilities, not identified by the GOVERNMENT, shall not occur. CONTRACTOR shall be responsible for any damage to any surfaces, structures or facilities not identified by the GOVERNMENT for alteration and shall be repaired to the COR's approval at the CONTRACTOR's expense.

1.3.9. The CONTRACTOR shall provide all labor, material, tools, equipment, and supervision and all other items necessary to complete the work in accordance with all portions of the SOW. The CONTRACTOR shall conduct all work in a professional manner, in accordance with traditionally recognized construction practices and techniques.

1.3.10. It is the CONTRACTOR's responsibility to field verify all conditions and measurements provided in this statement of work are accurate. CONTRACTOR assumes full monetary responsibility for any and all additional work, materials, or equipment required to complete the project that was not included in the statement of work that a reasonable site inspection would have revealed. CONTRACTOR shall not be responsible for conditions that a reasonable site inspection would not have revealed.

1.3.11. The CONTRACTOR is encouraged to develop, prepare, and submit Value Engineering Change Proposals (VECP's) voluntarily. The Contractor shall share in any net acquisition savings realized from accepted VECP's, in accordance with the incentive sharing rates in paragraph (f) of 52.248-1 in the FAR. If a VECP is accepted, the Contractor shall share in net acquisition savings of between 50 - 75 percent or as negotiated by KO and as described in the FAR.

1.4. SECURITY

1.4.1. CONTRACTOR shall comply with all applicable installation/facility access and local security policies and procedures, which may be obtained from the COR. CONTRACTOR shall also provide all information required for background checks to meet installation access requirements to be accomplished by the local installation's Security Forces, Director of Emergency Services or local Security Office. CONTRACTOR shall ensure compliance with all personal identity verification requirements as directed by DoD, HAF and/or local policy. Should the Force Protection Condition (FPCON) change, the Government may require changes in contractor security matters or processes.

1.4.2. CONTRACTOR and all associated sub-contractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (AFI 31-101 and AFI 10-245), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

1.4.3. CONTRACTOR and all associated subcontractor employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (Army Directive 2014-05/AR 190-13); applicable installation, facility and area commander installation and facility access and local security policies and procedures (provided by Government representative); or, at OCONUS locations, in accordance with status-of-forces agreements and other theater regulations.

1.4.4. CONTRACTOR employees, to include sub-contractor employees, requiring access Government Installations, Facilities and Controlled Access areas shall complete AT Level I awareness training within 10 days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. Certificates of completion for each contractor employee and sub-contractor employee will be maintained by the COR or Antiterrorism Representative. AT level I Awareness Training is available at the following website: http://jko.jten.mil

1.4.5. CONTRACTOR personnel shall comply with Martinsburg Air National Guard Base CONTRACTOR Escort and Security policies per this SOW. Violations of these policies may result in termination of the contract. Compliance with security requirements shall not be a basis for failing to complete work in the required PoP.

1.4.6. CONTRACTOR shall obtain base passes/badges for all personnel working onsite prior to arriving at the base. Badging process takes 2 weeks from date badging request is submitted. CONTRACTOR shall submit **167 SFS Form and a copy of individuals Driver's License** for all personnel working on-base. Contractor shall receive a "Clear" or "Not Clear" from the badging office within 2 weeks of submission.

1.4.7. All deliveries shall be screened at the gate but do NOT require badge. Deliveries must be for material only and do not include any work/labor.

1.5. STANDARD PRODUCTS

1.5.1. The CONTRACTING OFFICER and COR must approve all material submittals prior to procurement. Materials substitution after submittal approvals shall not be allowed without approval by KO.

1.5.2. Materials such as sealants, adhesives, water-proofing or fire-proofing must comply with standards set forth by UL, ASTM, and IEC and listed for the specific use intended.

1.5.3. CONTRACTOR shall allow for a 2 week turnaround on all RFI, Submittal, Permits, or badging requests to allow for GOVERNMENT review.

1.5.4. In the event of conflict among the Specifications, Drawings and/or Technical Instructions, the CONTRACTOR shall bring such conflict to the attention of the CONTRACTING OFFICER immediately for resolution before proceeding with the work involved.

1.5.5. Documentation shall be provided for each submittal. As a minimum, the documentation shall include the AF 3000 cover, a catalog sheet of the specific product and the product technical information. When required, a sample of the product/equipment or material must accompany the submission.

1.5.6. All chemical materials to be used in this SOW shall be documented on the Transient Organizational Hazardous Material Inventory form. An SDS (Safety Data Sheet) shall be submitted for all chemicals listed.

1.6. SUBMITTALS

1.6.1. Material submittals are required unless approval from the COR or KO has been granted otherwise. All Material Submittals, Design Drawings and Specifications are to be submitted to the COR with an **Air Force Form 3000** for approval. Submittals, Drawings and Specifications shall be reviewed by the COR and KO prior to install.

1.6.2. CONTRACTOR shall provide a detailed **Project Schedule** in Gantt style format within **5 days of NTP**, identifying milestone dates, to the COR for approval before any work is to be performed on-site. If a change in the schedule is required, the CONTRACTOR shall resubmit the Progress Schedule in electronic format to the COR for approval.

1.6.3. CONTRACTOR shall provide **Progress Reports** submitted at Construction Progress Meetings to the COR and KO. Progress Reports shall track the CONTRACTOR's progress in relation to the approved Progress Schedule as well as assist in computing partial payments.

1.6.4. CONTRACTOR shall provide a list of all chemical materials to be used on the project to the EM using **Transient Organization Hazardous Material Inventory** at minimum **15 days** prior to use.

1.6.5. CONTRACTOR shall provide **Material Safety Data Sheet** (MSDS) to EM **15 days** prior to beginning construction.

1.6.6. **CONTRACTOR shall ensure 60% waste diversion** IAW Feb 2008 DoD Integrated (Non-Hazardous) Solid Waste Management Policy. CONTRACTOR shall track and report to COR the volume of solid waste (C & D) disposal and recycling costs incurred using **Post-Project Waste Diversion Report** at progress meetings.

1.7. PERMITS / CERTIFICATION

1.7.1. CONTRACTOR is responsible for obtaining all required base passes, badges, dig permits, utility locates and all other permits required to complete the work described in this SOW.

1.7.2. CONTRACTOR shall obtain **Burn Permit** for any and all hot work to be performed on base 24 hours in advance through the base Fire Department at 304-616-5277.

1.7.3. CONTRACTOR must submit and obtain an approved dig permit from **West Virginia 811** prior to start of any site work. Permits request must be made 48 hours in advance. If damage or injury occurs from digging without a dig permit the CONTRACTOR shall be responsible for all repairs at no additional cost to the government. The CONTRACTOR shall keep a copy of approved dig permit on site at all times.

1.7.4. If total disturbed surface area of the project is greater than 1 acre CONTRACTOR must submit a **Storm Water Pollution Prevention Plan** (SWPPP) for approved by Berkeley County Engineer (30 day review process). CONTRACTOR shall then submit a **Notice of Intent** (NOI) to the WV Environmental Protection Agency (OEPA) 21 days prior to start of construction and receive the Director's Authorization before construction begins. CONTRACTOR shall provide a copy of the NOI, Director's Authorization, SWPPP, and SWPPP inspections to Environmental Management Office (EMO).

1.7.5. The CONTRACTOR shall obtain an Air Quality (EPA) permit from the Regional Air Pollution Control Agency (RAPCA) for Martinsburg, WV.

1.7.6. The CONTRACTOR shall employ and provide a licensed electrician prior to the start of any electrical work knowledgeable of the work and conforming to the requirements of the National Electrical Code (NEC). The licensed electrician must provide a current valid certification prior to the start of any electrical work.

1.8. QUALITY ASSURANCE / QUALITY CONTROL

1.8.1. The CONTRACTOR shall supply appropriate supervision and QA/QC for each task of the project to ensure the workmanship and product reflect the SOW and drawings. This project is commercial grade and only commercial type equipment and fixtures shall be accepted. The KO or COR may periodically perform QA checks as deemed necessary at any time during the PoP. These checks do not relieve the CONTRACTOR of the obligations under this SOW to provide a complete and usable system.

1.9. PERSONNEL

1.9.1. The CONTRACTOR shall identify a full time Superintendent who shall be responsible for all onsite activities. CONTRACTOR shall submit name(s) of Superintendent to COR prior to issuance of NTP. The Superintendent shall have the authority to make in the field decisions (to be approved by COR), which may arise in day-to-day operations without delay that does not affect cost or scope of project.

1.9.2. The GOVERNMENT is not liable for any injury incurred by CONTRACTOR, CONTRACTOR personnel or other persons while they are on site. CONTRACTOR shall take full responsibility for the safety of all personnel within the project site.

1.9.3. The CONTRACTOR shall access CMRA website; https://www.sam.gov and report all CONTRACTOR manpower, including sub-contractors, required for the performance on this contract.

1.10. ENVIRONMENTAL AND SAFETY

1.10.1. The CONTRACTOR is responsible for all costs incurred for clean-up, sampling analyses, and disposal of spill debris as a result of Contractor's actions. CONTRACTOR shall report all spills to EMO. If appropriate, cost incurred for clean-up by the 167th for CONTRACTOR'S actions will be reimbursed to the 167th from CONTRACTOR.

1.10.2. The CONTRACTOR shall ensure that all personnel receive Environmental Management System (EMS) Awareness training and a copy of the Base Environmental Policy. A copy of the training can be obtained from the 167^{h} Base EMO.

1.10.3. The CONTRACTOR shall abide by the Asbestos Notification Requirements as outlined on the WV EPA website. This includes notification of the WV EPA upon the disturbance of more than 260 LF of piping, 160 SF on other facility components, or 35 CF of contaminated material.

1.10.4. The CONTRACTOR shall abide by the WV EPA Green Procurement Program as outlined on the USEPA website.

1.10.5. The CONTRACTOR shall stop work and contact the 167th Base Environmental Management Office upon unearthing any historical or cultural artifacts during construction.

1.10.6. The CONTRACTOR shall obtain all required permits and adhere to and abide by environmental requirements as stipulated by 167th Base EMO. This shall include but is not limited to the following forms:

1. **Transient Organization Hazardous Material Inventory**
2. **Post-Project Waste Diversion Report**

1.10.7. The CONTRACTOR shall perform a jobsite cleanup each day and remove all debris and refuse from the site, to the satisfaction of the COR. Unoccupied areas to be broom swept daily. Occupied areas shall be kept free of dust and debris at all times.

1.10.8. The CONTRACTOR shall ensure that employees are supplied and use proper safety equipment (i.e. gloves, safety boots) described in EM 385 & EM 304 and follow safe work procedures, which protect CONTRACTOR employees and personnel in the vicinity of the job site in accordance with all current OSHA requirements. The CONTRACTOR shall assume any liability for any injury incurred by CONTRACTOR personnel while working on site.

1.10.9. CONTRACTOR shall maintain awareness to all NATIONAL DISASTER / THUNDER STORM / TORNADO WATCH / TORNADO WARNING / LIGHTNING / HAZMAT RESPONSES:

1. **Follow all Giant Voice Announcements as directed**
2. **Discontinue outside/inside work and seek shelter in designated shelter area or building as directed**
3. **Follow directions from Shelter Manager or Senior Military Official**

1.10.10. **In case of an emergency CONTRACTOR shall dial 911** then alert COR and/or KO within 1 hour of incident.

2. CONTRACT REQUIREMENTS

2.1. GENERAL WORK DESCRIPTION

2.1.1. This project consists of providing and installing concrete pedestrian walkways, improvement of several parking lots including new pavement,

seal coating, crack sealing and line striping and rubberizing a base fitness area.

2.1.1.1. BASE BID: Concrete walkways
2.1.1.2. OPTION 01: Main road
2.1.1.3. OPTION 02: Parking lot # 1
2.1.1.4. OPTION 03: Parking lot # 2
2.1.1.5. OPTION 04: Parking lot # 3
2.1.1.6. OPTION 05: Parking lot # 4
2.1.1.7. OPTION 06: Parking lot # 5
2.1.1.8. OPTION 07: Exercise Pad
2.1.1.9. OPTION 08: Bldg. 309 Parking

2.1.2. All work to be performed by technicians with no less than 5 years' experience working with concrete, asphalt, crack sealing and seal coating.

2.2. GOVERNMENT FURNISHED EQUIPMENT / PROPERTY

2.2.1. The GOVERNMENT shall provide basic/minimal documents describing the work required in this SOW.

2.2.2. The GOVERNMENT shall provide CONTRACTOR with access to the site to include all areas of work described in this SOW.

2.2.3. The GOVERNMENT shall provide no other equipment, services, or property.

2.2.4. CONTRACTOR shall ensure all Government Provided Equipment in work area remain protected, operational, and dust free throughout the project.

2.3. PERIOD OF PERFORMANCE

2.3.1. ****NO MATERIAL SHALL BE ORDERED AND NO WORK SHALL BE PERFORMED PRIOR TO ISSUANCE OF NTP BY THE KO.****

2.3.2. CONTRACTOR shall have a maximum of **120 calendar days** from the initial Notice to Proceed (NTP) to complete the project including any design and construction. Any changes or extensions to this time period need prior approval from the CONTRACTING OFFICER.

2.3.3. CONTRACTOR shall have access to the site from **7:00 am - 4:00 pm Monday - Friday**. CONTRACTOR will not have access to the site on Weekends, Off Mondays and Government Holidays unless approved by COR prior.

2.4. COMPLETION

2.4.1. The COR shall certify performance and final completion of this contract.

2.4.2. The CONTRACTOR shall restore any disturbed areas at the direction of the KO to include seed and straw, providing fill, and grading areas to previous site conditions. Grass must take root and cover more than 80% of the disturbed area prior to approval for final billing. Grass seed mix shall be an 80/20 Mix of Tall Fescue + Kentucky Bluegrass seed mix.

2.4.3. The CONTRACTOR shall schedule a **Pre-Final Inspection** with KO and COR at least 10 days prior to end of PoP. Any Punch List items will be identified and recorded at this time. CONTRACTOR shall have **10 days** to address these items.

2.4.4. CONTRACTOR shall schedule a **Final Inspection** with KO and COR upon completion of all Punch List and within **10 days** of the Pre-Final Inspection. This inspection will confirm that all Punch List items have been corrected. Upon completion of the Final Inspection the GOVERNMENT shall take over ownership of the project.

2.5. PROJECT CLOSEOUT DOCUMENTS

2.5.1. CONTRACTOR shall submit a **1354 Worksheet** to COR within **10 days** of project completion.

2.5.2. CONTRACTOR shall submit **Mechanical Testing and Balancing Report** on all mechanical system/component installations to COR within **10 days** of project completion.

2.5.3. CONTRACTOR shall submit **Post-Project Waste Diversion Report** to COR within **10 days** of project completion

2.5.4. CONTRACTOR shall submit **Release of Claims** to COR within **10 days** of project completion.

2.5.5. CONTRACTOR shall submit **Red Line Drawings** to COR within **10 days** of project completion.

2.5.6. CONTRACTOR shall submit **1 Year Warranty** letter signed by company representative to COR within **10 days** of project completion.

2.5.7. CONTRACTOR shall recover **all base passes/badges** upon job completion and return to COR within **5 days** after project completion.

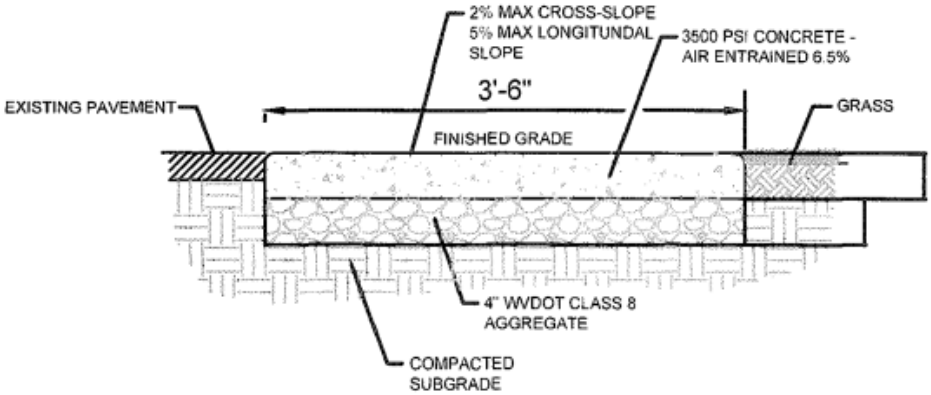
2.6. REQUIRED WARRANTIES

2.6.1. The CONTRACTOR shall provide a **1 Year Warranty** on all material, labor, and installed equipment IAW this SOW and in conjunction with any additional manufacturer's warranties.

3. DETAILED DESCRIPTION OF WORK

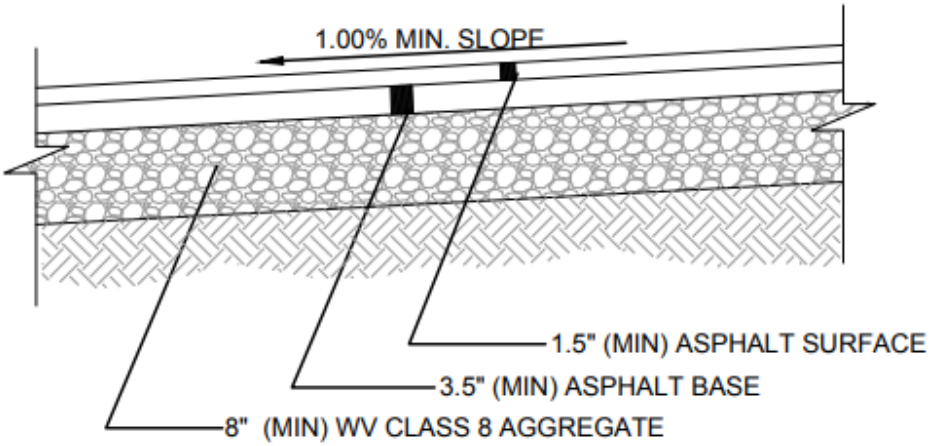
3.1 Typical Details

3.1.1 TYPICAL SIDEWALK CONSTRUCTION



3.1.1.1 CONTRACTOR shall prep site and excavate as needed
3.1.1.2 CONTRACTOR shall compact subgrade.
3.1.1.3 CONTRACTOR shall provide base course and Concrete.
3.1.1.4 CONTRACTOR shall ensure concrete is graded to a similar slope as the adjacent road or soil while ensuring proper drainage.
3.1.1.5 CONTRACTOR shall perform all necessary tests IAW regulations and industry standards including but not limited to a Concrete Slump test and a Concrete Air test.
3.1.1.6 CONTRACTOR shall finish grade site matching elevation with new sidewalk, apply grass seed and cover with straw blanket or other suitable means.
3.1.1.7 CONTRACTOR shall dispose of all topsoil or fill dirt in approved location or be removed from the base.
3.1.1.8 CONTRACTOR shall ensure minimum depth of all poured concrete is four inches.
3.1.1.9 CONTRACTOR shall ensure concrete that connects to an existing sidewalk shall be drilled and pined with minimum 1/2” rebar every 12”-16”.

3.1.2 TYPICAL ASPHALT CONSTRUCTION



3.1.2.1 CONTRACTOR shall prep site and excavate as needed
3.1.2.2 CONTRACTOR shall compact subgrade.
3.1.2.2 CONTRACTOR shall provide base course and Asphalt
3.1.2.3 CONTRACTOR shall mill and overlay all partial depth repairs (where applicable), minimum milling depth shall be 1 ½”

3.1.3 EXAMPLE OF EXTERIOR STAIRS

3.1.3.1 CONTRACTOR shall ensure poured concrete stairs have a maximum rise of 7 ½”.

3.1.3.2 CONTRACTOR shall ensure stairs shall have welded steel railing on each side of stairs. Railing shall be 34" – 38" in height and between 1 ¼" – 2" in diameter of graspable material.

3.1.4. TYPICAL ASPHALT SEALING AND CRACK SEALING

3.1.4.1 CONTRACTOR shall remove all loose debris from asphalt surface.
3.1.4.2 CONTRACTOR shall ensure no sealer is added to any concrete surface.

3.2 BASE BID - SIDEWALKS

3.2.1 **POL ROAD** - CONTRACTOR shall install approx. 430'(ft)x 4'(ft) concrete sidewalk. See drawing for details.
3.2.1.1 CONTRACTOR shall pour a 5' x 4' concrete pad that connects to adjacent road. Existing curb shall be removed, and a new poured entry curb shall be installed.
3.2.1.2 CONTRACTOR shall remove existing curb and install a 5'(ft) entry curb opposite new curb above.
3.2.1.3 CONTRACTOR shall paint a crosswalk connecting two entry curbs.

3.2.2 **BLDG. 130** - CONTRACTOR shall install approx. 55'(ft)x 5'(ft)x concrete sidewalk with stairs and dual steel railings. See drawing for details.

3.2.3 **MX LOT WEST** - CONTRACTOR shall install two (2) concrete sidewalks (approx. 28'(ft) x 5'(ft) & 22'(ft) x 5'(ft)) with stairs and dual steel railing. Approx. location shown in attached drawings.
3.2.3.1 CONTRACTOR shall paint hash marks on 2 adjacent parking spots where sidewalks enter parking lot. See drawing for details.

3.2.4 **FITNESS TRACK** - CONTRACTOR shall install approx. 75'(ft) x 5'(ft) concrete sidewalk to include stairs and dual steel railing. See drawing for details.
3.2.4.1 CONTRACTOR shall remove existing curb and install an entry curb to match sidewalk.

3.2.5 **MX LOT EAST** - CONTRACTOR shall install approx. 18'(ft) x 5'(ft) concrete sidewalk. See drawing for details.
3.2.5.1 CONTRACTOR shall paint hash marks on adjacent parking spot where sidewalk enters parking lot.

3.2.6 **BLDG. 119** - CONTRACTOR shall install approx. 36'(ft) x 5'(ft) concrete sidewalk to include stairs and dual steel railing. See drawing for details.

3.2.7 **GLYCOL TANK** – CONTRACTOR shall excavate approx. 15' (ft) x 15' (ft) x 12" (in) deteriorating concrete pad down to subgrade. See drawing for details.
3.2.7.1 CONTRACTOR shall install approx. 15' (ft) x 15' x 12" (in) reinforced concrete pad. Concrete shall be pinned every 18" (in) to existing concrete with minimum 5/8" (in) rebar. Concrete shall be reinforced by minimum 5/8" (in) rebar cage.

3.2.8 **BLDG. 309** - CONTRACTOR shall install approx. 90'(ft) x 5'(ft) and 50' (ft) x 5'(ft) concrete sidewalks. New sidewalk shall be 55'(ft) from existing sidewalk. See drawing for details.

3.3 OPTION 01 – SEAL COAT/PAINT MAIN ROAD

3.3.1 CONTRACTOR shall clean and remove all loose material and vegetation from approx. 1000 linear feet of cracks.
3.3.2 CONTRACTOR shall crack seal 1000 linear feet using hot applied joint and crack sealant.
3.3.3 CONTRACTOR shall seal coat approx. 72,000 sq ft of asphalt using fast-dry asphalt emulsion sealer or approved equivalent.
3.3.4 CONTRACTOR shall paint approx. 2,700'(ft) of double yellow centerline using reflective glass bead paint.
3.3.5 CONTRACTOR shall paint approx. 800 sq ft of hash marks at two locations. See drawing for details.

3.4 OPTION 02 – SEAL COAT/PAINT PARKING LOT #2

3.4.1 CONTRACTOR shall clean and remove all loose material and vegetation from approx. 1500 linear feet of cracks.
3.4.2 CONTRACTOR shall fill approx. 1500 linear feet of cracks with hot applied joint and crack sealant.
3.4.3 CONTRACTOR shall make a partial depth asphalt repair of approx. 500 sq ft around existing storm drain; repair shall be made so surrounding asphalt matches the elevation of existing concrete. See drawing for details.
3.4.4 CONTRACTOR shall make three partial depth asphalt repairs of approx. 10,760 sq ft. See drawing for details.
3.4.5 CONTRACTOR shall seal coat approx. 20,000 sq ft of asphalt using asphalt emulsion sealer or approved equivalent.

3.4.6 CONTRACTOR shall paint 74 parking spaces, one stop bar and one crosswalk. See drawing for details.

3.5 OPTION 03 – SEAL COAT/PAINT PARKING LOT #2

3.5.1 CONTRACTOR shall clean and remove all loose material and vegetation from approx. 2000 linear feet of cracks.

3.5.2 CONTRACTOR shall fill approx. 2000 linear feet of cracks with hot applied joint and crack sealant.

3.5.3 CONTRACTOR shall make six partial depth asphalt repairs of approx. 6,665 sq ft. See drawing for details.

3.5.4 CONTRACTOR shall seal coat approx. 40,000 sq ft of asphalt using asphalt emulsion sealer or approved equivalent.

3.5.5 CONTRACTOR shall paint 83 parking spaces, approx. 3400'(ft) of hash marks, one crosswalk, four stop bars, 650'(ft) double yellow center line, and 250' (ft) of single white line.

3.6 OPTION 04 – SEAL COAT/PAINT PARKING LOT #3

3.6.1 CONTRACTOR shall clean and remove all loose material and vegetation from approx. 1500 linear feet of cracks.

3.6.2 CONTRACTOR shall fill approx. 1500 linear feet of cracks with hot applied joint and crack sealant.

3.6.3 CONTRACTOR shall seal coat approx. 54,000 sq ft of asphalt using asphalt emulsion sealer or approved equivalent.

3.6.4 CONTRACTOR shall paint 84 parking spaces, approx. 2500 sq ft of hash marks, three crosswalks, one stop bar, 400'(ft) double yellow center line, and 650' (ft) of single white line.

3.7 OPTION 05 – SEAL COAT/PAINT PARKING LOT #4

3.7.1 CONTRACTOR shall clean and remove all loose material and vegetation from approx. 1200 linear feet of cracks.

3.7.2 CONTRACTOR shall fill approx. 1200 linear feet of cracks with hot applied joint and crack sealant.

3.7.3 CONTRACTOR shall seal coat approx. 36,000 sq ft of asphalt using asphalt emulsion sealer or approved equivalent.

3.7.4 CONTRACTOR shall paint 37 parking spaces, approx. 400 sq ft of hash marks.

3.8 OPTION 06 – SEAL COAT/PAINT PARKING LOT #5

3.8.1 CONTRACTOR shall clean and remove all loose material and vegetation from approx. 4500 linear feet of cracks.
3.8.2 CONTRACTOR shall fill approx. 4500 linear feet of cracks with hot applied joint and crack sealant.
3.8.3 CONTRACTOR shall make six partial depth asphalt repairs of approx. 12,160 sq feet. See drawing for details.
3.8.4 CONTRACTOR shall make a full depth repair of approx. 10,200 sq ft of subgrade, base course and asphalt surface IAW 3.1.2
3.8.5 CONTRACTOR shall seal coat approx. 80,000 sq ft of asphalt using asphalt emulsion sealer or approved equivalent.
3.8.6 CONTRACTOR shall paint 95 parking spaces, approx. 300 sq ft of hash marks, one crosswalk, six stop bars, approx.1900'(ft) double yellow center line, and 325'(ft) of single white line.

3.9 OPTION 07 – RUBBERIZE EXERCISE PAD

3.9.1 CONTRACTOR shall prep surface area IAW industry standards.
3.9.2 CONTRACTOR shall install a suitable rubberized material covering approx. 16,000 sq ft over an existing asphalt exercise pad. Material shall be rubber granules with a polyurethane binder, or prefabricated rolls of synthetic rubber or approved equivalent.
3.9.3 CONTRACTOR shall give options and recommendations on types of material for use and climate.
3.9.4 CONTRACTOR shall give options for color of material.

3.10 OPTION 08 – BLDG 309 ASPHALT PARKING LOT

3.10.1 CONTRACTOR shall remove all vegetation, topsoil and fill dirt from approx. 11,100 sq ft IAW attached drawing.
3.10.2 CONTRACTOR shall remove 300 sq ft of existing sidewalk.
3.10.3 CONTRACTOR shall raise existing storm drain to match the elevation of new paved parking lot by using concrete grade rings or cast-iron adjustment rings or approved equivalent.
3.10.4 CONTRACTOR shall ensure elevation of storm drain maintains 1% - 2% slope for proper storm water drainage.
3.10.5 CONTRACTOR shall install 11,100 sq ft of subgrade, base course and asphalt surface IAW 3.1.2 and attached drawing.
3.10.6 CONTRACTOR shall layout and paint new paved parking lot IAW attached drawing to include:
3.10.6.1 – 31 standard parking spaces
3.10.6.2 – two ABA parking spaces
3.10.6.3 – 2000 sq ft of hash marks

3. CONTACT INFORMATION

3.1. POINTS OF CONTACT

3.1.1. COR: CMSgt Josh Michael -- (304) 616-5391
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3.1.2. KO: 2d Lt CJ Broschart -- (304) 616-5412
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3.1.3. Environmental Office: SrA Sarah McClaflin -- (304) 616-5418
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3.1.5. SFS: CMSgt Daniel Schildt -- (304) 616-5330
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4. ATTACHMENTS

4.1. BASE BID & OPTIONS - DRAWINGS & MAPS