

Statement of Work

FY23 Concrete Repairs

FEU Project # 23010

USDA, Ames IA

4/28/2023

Project Requirements:

This project includes concrete sidewalk repair between Building 21 main entrance and parking lot access road, feed bunk area concrete pad extensions for field barns 203, 204, 215, and 216. See the “Project Area Mapping” drawing for the listed project areas.

BASE BID:

AREA 1 - Building 21 Main Entrance Sidewalk:

1. Replace approximately 1,534 square feet of cracked sidewalk from the roadway leading into the southern main entrance into building 21.
2. Contractor shall remove all concrete within area shown in drawings down to existing base and replace concrete with new. Contractor may use USDA crushed concrete from the on-site USDA stockpile as new base if needed.
3. New concrete shall be, at a minimum, the same thickness of slab as existing concrete sidewalk. Contractor shall install new #5 steel rebar reinforcing 16” on center (2” from bottom of pour) in each direction in all areas receiving new concrete and dowel rebar into any existing adjacent concrete of area receiving new concrete a minimum of 8” into existing sidewalk and paving.
4. All new concrete in this area shall be sloped to match existing slope. Contractor shall remove debris and seal joints and cracks in existing and new concrete located within this area. Contractor to saw-cut concrete. Cuts to match existing sizes and patterns in sidewalk, except where detailed in drawing (page 6).
5. Coordinate all downtime with the USDA for this area of work. All existing storm intakes/manholes/utilities shall be maintained and protected during construction as they are.
6. See attached drawings for further reference/guidance to the above Area.
7. Contractor shall take any-and-all precautions necessary to not damage surrounding campus areas, construction, utilities, and finishes including areas not noted to be in the concrete and paving scope. Any areas including pavement, utilities, grass, gravel/rocks, bollards, and building structures that is disturbed by

Contractor's work shall be fixed to match existing construction and finish to preconstruction condition. Glass at the main entry foyer of the building where the sidewalk begins shall be rinsed clean, using clean tap water, of concrete dust, dirt, and debris at completion of the sidewalk repair.

OPTION #1

AREA 2 – Field Barn 203:

1. Install approximately 538 square feet of concrete in feed bunk area.
2. Contractor shall remove all dirt, gravel, and debris within area shown in drawings down to existing base and replace concrete with new concrete. Contractor may use USDA crushed concrete from the on-site USDA stockpile as new base if needed.
3. New concrete shall be, at a minimum, the same thickness of slab as existing concrete feed bunk slab. Contractor shall install new #5 steel rebar reinforcing 16" on center (2" from bottom of pour) in each direction in all areas receiving new concrete and dowel rebar into any existing adjacent concrete of area receiving new concrete a minimum of 8" into existing sidewalk and paving. All new concrete in this area shall be sloped to match existing slope. Where the edge of concrete meets the existing wooden fence posts, there shall be a gap of 2" between concrete edge and posts.
4. USDA will move the concrete feed bunks off existing slab, clean debris from existing slab, and move feed bunks back into place upon project completion. Contractor shall remove debris and seal joints and cracks in existing and new concrete located within this area. Contractor to saw-cut concrete to match existing feed bunk concrete pad cuts.
5. Coordinate all downtime with the USDA for this area of work. All existing storm intakes/manholes/utilities shall be maintained and protected during construction as they are, if applicable.
6. See attached drawings for further reference/guidance to the above Area.
7. Contractor shall take any-and-all precautions necessary to not damage surrounding campus areas, construction, utilities, and finishes including areas not noted to be in the concrete and paving scope. Any areas including pavement, utilities, grass, gravel/rocks, bollards, and building structures that is disturbed by Contractor's work shall be fixed to match existing construction and finish to preconstruction condition.

OPTION #2

AREA 3 – Field Barn 204:

1. Install approximately 538 square feet of concrete in feed bunk area.
2. Contractor shall remove all dirt, gravel, and debris within area shown in drawings down to existing base and replace concrete with new concrete. Contractor may use USDA crushed concrete from the on-site USDA stockpile as new base if needed.
3. New concrete shall be, at a minimum, the same thickness of slab as existing concrete feed bunk slab. Contractor shall install new #5 steel rebar reinforcing 16" on center (2" from bottom of pour) in each direction in all areas receiving new concrete and dowel rebar into any existing adjacent concrete of area receiving new concrete a minimum of 8" into existing sidewalk and paving. All new concrete in this area shall be sloped to match existing slope. Where the edge of concrete meets the existing wooden fence posts, there shall be a gap of 2" between concrete edge and posts.
4. USDA will move the concrete feed bunks off existing slab, clean debris off of existing slab, and move feed bunks back into place upon project completion. Contractor shall remove debris and seal joints and cracks in existing and new concrete located within this area. Contractor to saw-cut concrete to match existing feed bunk concrete pad cuts.
5. Coordinate all downtime with the USDA for this area of work. All existing storm intakes/manholes/utilities shall be maintained and protected during construction as they are, if applicable.
6. See attached drawings for further reference/guidance to the above Area.
7. Contractor shall take any-and-all precautions necessary to not damage surrounding campus areas, construction, utilities, and finishes including areas not noted to be in the concrete and paving scope. Any areas including pavement, utilities, grass, gravel/rocks, bollards, and building structures that is disturbed by Contractor's work shall be fixed to match existing construction and finish to preconstruction condition.

OPTION #3

AREA 4 – Field Barn 215:

1. Install approximately 782 square feet of concrete in feed bunk area.
2. Contractor shall remove all dirt, gravel, and debris within area shown in drawings down to existing base and replace concrete with new concrete. Contractor may use USDA crushed concrete from the on-site USDA stockpile as new base if needed.
3. New concrete shall be, at a minimum, the same thickness of slab as existing concrete feed bunk slab. Contractor shall install new #5 steel rebar reinforcing 16” on center (2” from bottom of pour) in each direction in all areas receiving new concrete and dowel rebar into any existing adjacent concrete of area receiving new concrete a minimum of 8” into existing sidewalk and paving. All new concrete in this area shall be sloped to match existing slope. Where the edge of concrete meets the existing wooden fence posts, there shall be a gap of 2” between concrete edge and posts.
4. USDA will move the concrete feed bunks off existing slab, clean debris off of existing slab, and move feed bunks back into place upon project completion. Contractor shall remove debris and seal joints and cracks in existing and new concrete located within this area. Contractor to saw-cut concrete to match existing feed bunk concrete pad cuts.
5. Coordinate all downtime with the USDA for this area of work. All existing storm intakes/manholes/utilities shall be maintained and protected during construction as they are, if applicable.
6. See attached drawings for further reference/guidance to the above Area.
7. Contractor shall take any-and-all precautions necessary to not damage surrounding campus areas, construction, utilities, and finishes including areas not noted to be in the concrete and paving scope. Any areas including pavement, utilities, grass, gravel/rocks, bollards, and building structures that is disturbed by Contractor’s work shall be fixed to match existing construction and finish to preconstruction condition.

OPTION #4

AREA 5 – Field Barn 216:

1. Install approximately 782 square feet of concrete in feed bunk area.
2. Contractor shall remove all dirt, gravel, and debris within area shown in drawings down to existing base and replace concrete with new concrete. Contractor may use USDA crushed concrete from the on-site USDA stockpile as new base if needed.
3. New concrete shall be, at a minimum, the same thickness of slab as existing concrete feed bunk slab. Contractor shall install new #5 steel rebar reinforcing 16” on center (2” from bottom of pour) in each direction in all areas receiving new concrete and dowel rebar into any existing adjacent concrete of area receiving new concrete a minimum of 8” into existing sidewalk and paving. All new concrete in this area shall be sloped to match existing slope. Where the edge of concrete meets the existing wooden fence posts, there shall be a gap of 2” between concrete edge and posts.
4. USDA will move the concrete feed bunks off existing slab, clean debris off of existing slab, and move feed bunks back into place upon project completion. Contractor shall remove debris and seal joints and cracks in existing and new concrete located within this area. Contractor to saw-cut concrete to match existing feed bunk concrete pad cuts.
5. Coordinate all downtime with the USDA for this area of work. All existing storm intakes/manholes/utilities shall be maintained and protected during construction as they are, if applicable.
6. See attached drawings for further reference/guidance to the above Area.
7. Contractor shall take any-and-all precautions necessary to not damage surrounding campus areas, construction, utilities, and finishes including areas not noted to be in the concrete and paving scope. Any areas including pavement, utilities, grass, gravel/rocks, bollards, and building structures that is disturbed by Contractor’s work shall be fixed to match existing construction and finish to preconstruction condition.

General Requirements:

1.01 Work Restrictions & Conditions:

A. Site Security Access

1. Access to the construction site is controlled by a security fence and visitor/contractor check-in/check-out system. All contractor/subcontractor employees shall always sign-in and out at the main site entrance gate and wear a contractor/visitor identification badge while on the site. The ID badges will be turned in at the end of the workday. A current government-issued identification with a picture ID is required for entry.
2. Access to each individual site shall be arranged by the Contracting Officer's Representative according to the schedule submitted by the contractor and approved by the Contracting Officer's Representative. The contractor shall coordinate and schedule his/her work under this contract to cause the least interference with the normal flow of visitor and employee traffic.
3. Construction vehicles will be allowed access adjacent to the work; contractor employee's personal vehicles shall be parked in the facility parking lots.
4. The Contractor shall use only the service roads and access routes approved by the Contracting Officer's Representative.
5. Work shall be confined to the areas identified on the Drawings. Unless accompanied by a NCAH/USDA employee, the Contractor, subcontractors, and their employees shall not enter buildings or facilities not specifically part of this project. Reasons included, but are not limited to, disease control and health requirements.
6. Additional security requirements may be imposed when the Federal Government raises the Homeland Security Alert Level. Additional directions will be provided if the situation occurs.
7. Failure to comply with access requirements shall be adequate grounds for removal of the Contractor/subcontractor employees from the site and barring further site access to individuals.

B. Work Hours: Regular work hours for the site are 7:00 AM to 4:30PM, Monday through Friday, excluding Government holidays. Requests for exceptions to this schedule shall be made in writing forty-eight (48) hours in advance and approved by the Contracting Officer's Representative.

C. Work Outside Regular Work Hours: Work scheduled outside regular work hours including late hours, Saturdays, Sundays, and Government holidays requires Contracting Officer's Representative (COR) approval in advance. Make application to the COR at least 5 calendar days prior to such work to allow arrangements to be made by the Government for access to the work area and inspection & monitoring arrangements. Requests shall include the exact dates, hours, location, and purpose of the exception. If approved, the COR will coordinate access with the site security office.

D. Construct Work in stages to accommodate Owner's use of premises during construction period. Coordinate construction schedule and operations with Contracting Office's Representative (COR).

1. Access Schedule Work to minimize use of street barricades and detours.
 2. Access Phases of construction are those indicated in Drawings.
- E. Coordinate use of premises under direction of the COR. Contractor shall confine construction equipment, storage of materials and equipment and operations of workers to areas permitted by law, ordinances, permits, or requirements of Contract Documents, and shall not unreasonably encumber premises with construction equipment or other material or equipment.
1. Assume full responsibility for protection and safekeeping of items under this Agreement, stored on site.
 2. Move any stored items, under Contractor's control, which interfere with operations of Owner or separate contractor.
 3. Obtain and pay for use of additional storage or Work areas needed for operations.
- F. Owner will occupy premises during entire period of construction for conduct of its normal operations. Coordinate with Owner's Representative/COR in all construction operations to minimize conflict, and to facilitate Owner usage. Contractor shall always conduct its operations as to ensure least inconvenience to Owner.
- 1.02 Special Agreement Checks (SAC):
- A. Use of Premises
1. Limit use of premises to work in areas indicated. Do not disturb portions of site beyond areas in which the work is approved.
 2. Keep driveways and entrances serving premises clear and available to the Government, employees, visitors and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
 3. Limited parking may be available on the site away from each facility.
 4. All contractor staff shall pass an appropriate APHIS designated background investigation before performing any work. The contractor personnel who will perform work at the USDA, NCAH facilities will be required to complete and have a favorable determination of suitability for OFI Form 86C, Special Agreement Checks (SAC) prior to starting work under this contract.
 - a. The contractor shall provide a list of intended employees to the Contracting Officer's Representative within three (3) calendar days of task order award.
 - b. The contractor shall keep the list of employees up to date throughout the project in the event of employee separation and transfer.
- B. Adherence to Security Policies and Procedures
1. The Contractor shall adhere to all Site, APHIS and USDA security policies and procedures including Code of Federal Regulations Requirements, Standard Operating Procedures, Security Directives, Security Procedures, General Orders, Post Orders and any applicable Government Policies and Procedures.
 - a. Failure to adhere to or violation of any above listed requirements, procedures, directives, orders and/or policies may result in criminal prosecution or contractor representative or contractor employee (violation) removal.

1.03 Intent of Contract Drawings:

- A. Government provided drawings, henceforth referred to as “Contract Drawings”, do not attempt to show complete details of building construction that may affect installation. Government provided diagrams of proposed systems are for reference only and do not necessarily show physical arrangement of all equipment and/or maximum number of devices. Minimum system requirements are shown.
- B. Devices are shown diagrammatically only. System layout does not necessarily show maximum number of system components and should not be used for obtaining quantities for linear runs of conduits and wires.
- C. Locations of existing and Government concept devices are approximate and may be distorted for clarity in representation.

1.04 Regulatory Requirements:

- A. The equipment materials, installation, workmanship, and operation shall conform to the most stringent applicable requirements of the most recent editions of the associated publications, in the below section and in the attached specifications unless otherwise noted:
 - 1. National Fire Protection Association (NFPA)
 - a. NFPA 101 – Safety to Life from Fire in Buildings and Structures.
 - b. NFPA 1 – Uniform Fire Code
 - c. NFPA 5000 – Building Construction and Safety Code
 - 2. Underwriters Laboratories, Inc. (UL)
 - a. Appropriate UL Standards
 - 3. State and Local Building Codes as adopted by the Authority Having Jurisdiction (AHJ).
 - 4. The Uniform Federal Accessibility Standards (UFAS)
 - 5. Occupational Safety and Health Administration (OSHA)
- B. All work shall be completed in accordance with the Iowa Statewide Urban Design and Specifications (SUDAS) most recent edition. The SUDAS Standard Specifications are modified by the following additions. These are supplemental specifications, and they shall prevail over those published in the SUDAS Standard Specifications Manual.
 - 1. Underground Facilities:
 - a. Shown or Indicated: The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner by the Owners of such underground facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:
 - i. Owner shall not be responsible for the accuracy or completeness of any such information or data provided by others; and
 - ii. The cost of all the following will be included in the Contract Price, and Contractor shall have full responsibility for:
 - 1. Reviewing and checking all such information and data.
 - 2. Locating all Underground Facilities shown or indicated in the Contract Documents.

3. Coordination of the Work with the Owners of such Underground Facilities, including Owner, during construction.
 4. The safety and protection of all such underground facilities and repairing any damage thereto resulting from the Work.
- a) Not Shown or Indicated: If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency), identify the owner of such Underground Facility and give written notice to that owner and to the COR. COR will promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility. If Contractor concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to the Contracting Officer to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim.

1.05 Coordination:

- A. The contractor shall coordinate all work with the Contracting Officer's Representative.
- C. The contractor shall submit an installation schedule for review and approval by the Contracting Officer's Representative within ten (10) days of task order award.
- D. The contractor shall be solely responsible for coordinating work with all subcontractors and ensuring that all items of joint use in conjunction with installations are completed.

1.06 Special Provisions:

- A. There are buildings on campus that are bio-security facilities and contains biohazard materials; therefore, the contractor must complete any area specific training before entry and follow bio-security procedures for entering and exiting any such facility. In addition, any tools or equipment carried into the facility must be decontaminated before they can be removed from the facility.
- B. The Contractor shall confine all operations to within the work limits of the project and exercise special care to maintain natural surroundings undamaged. All surfaces that

have been altered for the installation of the concrete shall be refinished to match original condition by skilled personnel of the trades involved at no additional expense to the Government.

- C. Finished surfaces of existing facilities that are affected, marred, scratched, or damaged by the contractor shall be refinished to match original condition.
 - 1. Patching material shall be of the same type, style, and thickness, and shall be finished to match existing adjacent surface construction in color and texture.
 - 2. Patching material, paint color, paint material and paint application methods shall be approved in advance by the Contracting Officer's Representative.
- D. No building structural members shall be cut or altered without prior approval of the Contracting Officer's Representative.
- E. Any damage resulting from contractor's operation shall be brought to the attention of the Contracting Officer's Representative immediately.
- F. The contractor shall take all necessary and reasonable measures to keep the work site clean of trash and debris. Work areas shall be cleaned immediately as work in that area is completed, and before moving to a new work site. Place all trash and debris in OSHA approved containers, remove, and dispose of trash off site daily.
- G. The contractor shall move all materials and equipment, including ladders and scaffolding from the site at the completion of each day's operation unless otherwise approved by the Contracting Officer's Representative.
- H. The contractor shall provide proper safety equipment to workmen and ensure a safe environment for employees and the general public at all times. The contractor shall work to ensure free, unobstructed, and safe access to and about the work area.

1.07 Temporary Facilities:

- A. Utilities: The existing USDA utilities at the site may be used by the Contractor for completion of the contract work at no cost to the Contractor. The Contractor shall be responsible for making and removing any utility connections.
- B. Telephones: The Contractor shall equip all his foremen and work leaders with cell phones as necessary to coordinate the work effort. The Government will not provide any phone service to the project.
- C. Construction Trailer: The Contractor may locate a job trailer to the site. Location and services shall be coordinated with the COR.
- D. Toilet Facilities: The Contractor shall provide and maintain portable toilet facilities for the project employees.

1.08 Submittal & Shop Drawings Procedures:

- A. Submittal Requirements

1. Format: There is no formal submittal transmittal or format for this project other than the documents shall be submitted as PDF files, scanned, or created in documents that can be easily read when printed on 11x17 sheets. Exceptions for larger sheet sizes will be considered by the COR. Failure of the Contractor to provide legible submittals will be adequate grounds for rejection.
 2. Identification: Submittals shall be labeled and marked for this project. The identification shall include Contractor/subcontractor's name, date of submittal, description of item, specification section, and details on product data that are marked clearly for this project.
- B. Submittal Procedures: All submittals will be posted in PDF by the Contractor to the USDA ARS Share-point website that has been established for this project. The submittal reviewing authority/AE will download the submittals for review and post approvals to the Share-point site. This same submittal process will be used for RFIs, Change Bulletins, etc.
- C. Approved Submittals: The approval/acceptance of submittals is not to be construed as a complete check. Approval or acceptance will not relieve the Contractor of the responsibility for any error which may exist.
- D. Submittal items for this project:
1. Granular Sub-base
 2. Compaction Testing reports
 3. Concrete Mix Design
 4. Reinforcing Bar
 5. Non shrink grout.
 6. Joint Sealant
 7. ASTM D6690 - Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt

END OF SECTION