

## STATEMENT OF WORK

### 1. General Information

#### a. Project Title:

- i. Replace Vehicle Scales, vicinity Hazardous Cargo Apron and Freedom Hall, LAAF

#### b. Project Information:

- i. Schedule

Contract Period	300
Contractor's Project Walk	TBD
Proposal Due	TBD
Contract Start/Award Date	TBD
Construction Start Date	TBD
Construction Completion Date	TBD

- ii. Liquidate Damages

1. N/A

#### c. Document Level:

- i. Documents provided are representative of 35% Concept Drawings.

#### d. Bid Documents:

- i. Statement of Work
- ii. Concept Drawings
  1. Including scale pit requirements for vehicle scales on order
- iii. Specifications, refer to Section D – Codes and Standards

**e. Options / Alternates**

- i. N/A

**f. Bidding Questions**

- i. All questions should be submitted in written form either by hand delivered hard copies, facsimile (fax) or electronic mail (e-mail). The Contracting Officer (KO / COR) shall determine the final date for submission of questions.

**2. General Requirements**

**a. Project Description:**

i. General Information

- 1. The existing vehicle scales in vicinity of Freedom Hall (along Indianhead Road), LAAF and inside airfield proper near the Hazardous Cargo Apron, LAAF are antiquated and no longer meet mission load out requirements for deployable forces on Fort Moore. This project is to demolish and remove the existing scales and scale pits and rebuild scale pits in compliance with the load requirements needed for the new scales (to be installed by others).

ii. General Description

- 1. The project includes the demolition and removal of steel deck, modular vehicle scales at two locations shown on drawings, the rebuild of the scale pits as required by the manufacturer of the new scales for install, and improvements to the drainage profiles in both locations.
  - a. The scale at the Freedom Hall location, along Indianhead Road is approximately 14' x 70' with an estimated weight of 35,000 lbs. It is NOM CAP rated at 300,000 lbs with a CLC of 100,000 lbs. It is bolted to an existing concrete slab by ½" steel plates. No as-built drawings could be found detailing concrete depth or reinforcement, but it is assumed to be a total of 50 CY of reinforced concrete under the existing scale.
  - b. The scale at the Hazardous Cargo Apron is 15' x 75', approximately, with an estimated weight of 45,000 lbs. It is NOM CAP rated at 200,000 lbs with a CLC of 80,000 lbs. It is bolted to an existing concrete slab by ½" steel plates. No as-built drawings could be found detailing concrete depth or reinforcement, but it is assumed to be a total of 50 CY of reinforced concrete under the existing scale.
  - c. The drawing sheet provided detailing the scale pits is a final of the requirement needed for the new scales to be installed. The Contractor and DOR will coordinate

further with DPW Engineering and the manufacturer during finalization of scale pit design to ensure all elements of foundation support are captured for the install.

- d. Drainage at both sites will be further improved with the regrading of respective sites and installation of drainage structures. Drawings presented provide conceptualization of the desired drainage endstate.
2. The project is intended to capture standard design requirements and shall be used as the basis of design for design-build or design-bid-build by others. Designer of record shall be responsible for site specific design elements including but not limited to site grading and drainage, geotechnical, structural and foundation design and non-standard site configuration based on available area. Documents are not intended for construction.

**b. General Execution Requirements:**

- i. The Work will be performed in accordance with the approved A/E firm's drawings and specifications, approved construction submittals, and based on the Directorate of Public Works (DPW) drawings, specification, and SOW.
- ii. All work will be performed per industry standards or to meet federal, state, or local codes and regulation. Work will not be sloppy or carelessly performed. **Refer to Section D "Codes and Standards" for the United Facility Guide Specifications (UFGS) and GDOT standards that must be included and addressed by the DOR as part of the technical specifications and design submittals. These identified specifications are not representative of a complete list of required specifications that may be necessary in the completion of work or design.**
- iii. **The project site in vicinity of the Hazardous Cargo Apron is to be completed first before beginning any work on the Freedom Hall vehicle scale. Ft. Moore requires one scale to remain operational during replacement for operational/mission requirements. Allow a minimum of 30 days between the completion of the Hazardous Cargo Apron vehicle scale pit and the start of the demolition work on the Freedom Hall vehicle scale.**
- iv. The superintendent will be an individual with a minimum 5 years of experience with jobs of similar type and size. Provide resume of job site supervisors and key personnel. The superintendent will be on the job site when work is being performed and will be available to the Government representatives.
- v. Environmental requirements related to erosion control measures or NPDES permitting requirements ahead of an official submittal of project information and designs cannot be specified in this SOW. Contractors are to use their experience and best judgement in the estimation of costs associated with environmental requirements associated with this project.

- vi. A borrow site may be requested through Fort Moore Environmental Division, if needed, for any required backfill material to complete the work. Communicate any backfill requirements through assigned DPW Project Manager for required submittals to obtain access to borrow areas.

**c. Design and Engineering:**

i. General

1. Fort Moore's Directorate of Public Works (DPW) Engineering Division will provide the Contractor a set of the 35% concept drawing sheets, specifications, and a SOW. The provided 35% concept drawing sheets, specifications, and SOW only convey the Government's concept / intent of the project. It is the Contractor and Architectural and Engineering (A/E) firm responsibility to provide items listed in section ii, subsection 1, 100% submittal. *The term A/E encompasses the services of design disciplines in the field of architecture, mechanical, electrical, plumbing, civil, and structural engineering.* Once the 100% submittal has been approved by the Government, work may begin. If the contractor is provided written approval prior to the start of the work, the contractor may not be required to provide a 100% submittal. The items listed below will be used as a guide for the Contractor and A/E in items that may be needed in the 100% submittal.

a. SURVEY

- i. The A/E firm will perform a 100% survey and geotechnical investigation of the site in order to best inform the completion of the design process. Copies of the survey shall be included in the design submittals and copies of the report shall be provided to the Government separately noting any specific design considerations previously not considered.

b. DRAWINGS

- i. The A/E firm will update, provide additional information, and add drawings as required to take the 35% drawings provided by the Government to a 100% set of drawings. *The "For Construction" 100% set of drawings shall be stamped and signed by the A/E on each drawing sheet.* Below is a list of drawings that may need to be provided to accomplish a 100% drawing set:

1. All disciplines: completed plans (site), elevations (grade and inverts), sections (site, profiles), enlarged plans, ESPCP, details (project specific and standard), and schedules.\*

\*The items listed above may not address every drawing requirement for a project and is not intended to limit the number of drawings to be provided. Additionally the items listed above may not be required for every project. Contractor's submittals / shop drawings are not considered part of the 100% drawing set.

c. SPECIFICATIONS

- i. The Contractor and A/E will edit, compile, and provide specifications to accompany design submission reviews for comment and approval. The Contractor and A/E will provide any missing specifications for the project and will update any specification that requires to be changed due to drawings or other specifications provided by the A/E.

d. CALCULATIONS / PRODUCT INFORMATION

- i. The Contractor and A/E will provide all calculation and product information for the project when not provided in the Government provide information. Calculations and product information may be required for the following, but this list will not limit the requirements to: Civil, Structural, Architectural, Mechanical, and Electrical. Calculations and product information will be provided in an organized, logical, and understandable manner.

e. CD

- i. The contractor and A/E firm will provide a CD with PDFs of the 100% drawings, specifications, calculations and product information. Also on the CD the contractor will provide CAD files of the 100% drawings.

- 2. Upon completion of the work the contractor will provide As-Builts and Record Documents consisting of items listed under section ii, subsection 2, Record Document Submittal. The Record Document Submittal will reflect the final design of the facility at the completion of the work.\*

a. AS-BUILTS

- i. Contractor will provide the government approved hard copy of the 100% drawings keep at the site. The hard copy from the site (As-Built) will show any changes or modifications made during construction. Changes or modifications will be marked in red on the hard copy.

b. DRAWINGS

- i. The Contractor and A/E firm will provide PDFs, hard copies, and CAD files of Record Documents drawings reflecting changes or modifications noted on the As-Builts. Any changes or modification will be clouded on the Record Documents drawings.

c. SPECIFICATIONS

DIRECTORATE OF PUBLIC WORKS  
 ENGINEERING DIVISION  
 FORT MOORE, GEORGIA

Project #: N/A

- i. The contractor and A/E firm will provide updated specifications addressing any changes or modifications made during construction.

d. WARRANTY INFORMATION

- i. The contractor and A/E firm will provide all warranty information provided by the manufacturer, specifically for the synthetic turf field.

e. CD

- i. The contractor and A/E firm will provide a CD with PDFs of the Record Documents; drawings and specifications, and the As-Builts from the job site. Also on the CD the contractor and A/E firm will provide CAD files of the Record Document drawings.

\*The contractor will provide complete sets of drawings, specifications, and As-Builts, not just drawing sheets or specifications sections that have changed.

ii. Design and Engineering Submittal Requirements

1. 65%, 95% and 100% Submittal

<b>Deliverables</b>	<b>To - DPW</b>
Drawings (a.)	1 Full Size set and CAD Files
Specifications	1 Set
Calculation / Product Information	1
CD with all 100% submittal Documentation*	1

\*CD will include PDFs of all files (Drawings and Specifications) and CAD files of the Drawings

(a.) Submittals provided via email will be acceptable IF the size of file(s) are not extremely large. 15MB or higher may not transfer.

2. Record Document Submittal

<b>Deliverables</b>	<b>To - DPW</b>
As-Built (Red Lined set from construction site)	1 Set
Drawings (adjusted per As-Built)	1 Full Size and CAD Files
Specifications	1 Set
Warranty Information	1 Set
Closeout Documents (DPW Inspection)	1 Set
CD with all Record Document submittal Documentation*	1 EA

\*CD will include PDFs of all files (Drawings, Specifications, and As-Builts) and CAD files of the Drawings

- iii. The contractor will make sure all submittals are reviewed by the designer of record (DOR) prior to government acceptance via transmittal. Any submittal transmitted to the government without a DOR review and stamp/signature will be rejected/dis-approved.
- iv. The contractor will email or hand deliver all submittals to the contracting officer (MICC) designated for the project. DPW will not accept any submittals unless filtered through MICC first.
- v. The contractor will submit a Construction Schedule that includes major benchmarks and milestones to provide knowledge of the project and objectives to be completed within the construction time scheduled. The Construction Schedule will be submitted to the Government within 10 (ten) days of the notice to proceed for review. The contractor will provide an update schedule if the original schedule is impacted for any reason or if requested by the Government.
- vi. At the pre-construction meeting the contractor will arrange to have a representative of the A/E firm to be present. At the meeting the A/E representative will satisfy themselves with the requirements of the Design and Engineering submittals and the expectations of the Government.

**d. Codes and Standards:**

- i. All work shall be In Accordance With (IAW) all applicable Federal, State, and Local codes and standards including but not limited to:
  - 1. International Building Code (IBC)
  - 2. UFGS 01 45 00 – Quality Control, Change 1, 08/23
  - 3. UFGS 03 30 00 – Cast-In-Place Concrete, Change 6, 11/23
  - 4. UFGS 31 00 00 – Earthwork, 08/23
  - 5. GDOT Standards and Specs (for Drainage Structures and Conveyance)
  - 6. GDOT Section 400 (Asphalt Mixes and Construction)
  - 7. TM 111 Guidance provided in Fort Moore Environmental Considerations as listed on the projects FM-144R.

**e. Specifications:**

- i. When written specifications are not furnished by the Government the contractor's A/E firm will provide missing specifications. Standards of work will be in accordance with industry standards and Fort Moore guide specs.

- ii. Contractor or A/E will deliver any specifications not provided in the bid document specifications. The A/E specifications will be combined with the bid specifications and submitted as one specifications book for the 100% submittal and Record Document submittal.

**f. Preparation:**

- i. Contractor will be responsible for field/site visit to obtain and verify measurements, existing site conditions, dimensions and structural support requirements IAW accepted local, state and federal building practices. All drawings provided to the contractor are for reference/information only and may or may not be current or to scale. Contractor shall provide for any/all deviations to accepted local, state and federal building practices/codes and bring these to the attention of the Construction Inspector and Contracting Officers Representative for review/consideration by the government. Review the project's FM-144R, Record of Environmental Consideration for compliance prior to initiating any work.
- ii. The Contractor will test for lead and asbestos to determine the abatement requirements. The Contractor shall abate any lead/asbestos encountered during demolition.
- iii. Contractor shall provide temporary toilets for contractors' use.
- iv. Site Office and Storage: The contractor shall provide a separate site office and storage facilities. Areas of the building that are in phase of construction may be used as storage; however it is the contractor's responsibility to support the project and protect his materials when space is not available. The contractor shall be responsible for repairs required due to damage or negligent by the contractor or his subcontractors or suppliers. Provide signage to identify the project and the contractor with a 24 hour point of contact phone number.

**g. Cost and Pricing:**

- i. Costs will be broken down into appropriate divisions such that the Government can ascertain the understanding of this SOW by the Contractor. A lump sum of all cost information into one division will not be acceptable.

**h. Coordination with other contractors:**

- i. If other contracts and work are subject to be performed or arise to address any issues, at the same time as this contract the contractor will cooperate and coordinate work with all parties involved and is now notified of same.
  - 1. NEC (communications): Installation of communications cabling and equipment in the buildings (N.I.C.).



2. Utilities: Liberty Energy (Gas), Flint Electric (Electric), Columbus Water Works (Water and Sewer), and their subcontractors.

**i. Facility Occupancy:**

- i. Adjacent buildings to construction site will be occupied during construction.
  1. When the contractor is required to perform work that will affect normal operations of adjacent buildings, training fields, traffic, etc. they will submit for approval a request to the government 14 days prior to the start of the work.

**j. Selective Demolition:**

- i. Field Area
  1. Adhere to all codes for removal or remediation of any and all hazardous materials and building materials and waste i.e. insects, light fixture lamps and ballast, batteries and lead base paint and asbestos.
  2. Demolition procedures: During the course of the demolition work the Contractor shall continuously evaluate the condition of the elements of the area being demolished and take immediate action to protect all personnel working in and around the demolition site. No area, section, or structural component or other element will be allowed to be left standing without sufficient bracing, shoring, or lateral support to prevent collapse or failure while workmen remove debris or perform other work in the immediate area. The Contractor shall ensure that no elements determined to be unstable are left unsupported and shall be responsible for placing and securing bracing, shoring, or lateral supports as may be required as a result of any cutting, removal, or demolition work performed under this contract.
  3. Demolition Preparation: Before beginning any demolition work, the Contractor shall survey the site and examine the drawings and specifications to determine the extent of the work. The Contractor shall take necessary precautions to avoid damage to existing items to remain in place, to be reused, or to remain the property of the Government; any damaged items shall be repaired or replaced as approved by the Contracting Officer. The Contractor shall coordinate the work of this section with all other work and shall construct and maintain shoring, bracing, and supports as required. The Contractor shall ensure that structural elements are not overloaded and shall be responsible for increasing structural supports or adding new supports as may be required as a result of any cutting, removal, or demolition work performed under this contract.

4. The Contractor shall provide adequate protection for site paving, concrete walks, curbs, trees, grass, shrubs and all other landscaping during set-up, construction, and clean up. If any damage occurs the contractor is responsible for repair and modifications to repair the damage.
5. The contractor shall review the 144R provided by the Government and adhere to the conditions provided there.

**k. Disposal of Construction Waste:**

- i. The Contractor will be responsible for removing and disposal of all debris and hazardous waste created by this project, IAW local, state and federal guidelines and laws. The contractor shall dispose of all debris and hazardous waste created by this project in Georgia/Alabama approved Landfill at the contractor's expense. Contractor shall maintain and provide upon request by the KO or the designated representative receipts and haul tickets or bills of lading that construction debris from this contract has been disposed of IAW with local, state and federal guidelines and laws.

**l. Safety:**

i. General

1. The contractor will comply with all governing codes and standards. Contractor will comply with Fort Moore Safety and Environmental laws and regulations. The contractor shall perform all work IAW government procedures for entering and working at Fort Moore. The government reserves the right to stop work at any time for safety, security reasons, and for national defense at no cost to the government.

ii. Public

1. The Contractor shall conduct his operations to offer the least possible obstruction and inconvenience to the public, vehicular, and the normal day-to-day routine of the Government installation where work is to be performed. Unless safety otherwise prevents such actions, personnel and traffic shall be permitted to pass through the work area with as little delay as possible. Where the nature of construction operations in progress and the equipment and machinery in use are of such character as to endanger passing traffic, the Contractor shall provide such lights and signs, erect such fences or barriers, and station such guards as may be necessary to give adequate warning and to avoid damage or injury to passing traffic. Signs, flags, lights, and other warning and safety devices shall conform to applicable laws, safety regulations and requirements. All lane closures shall be coordinated in advance with the COR/Inspector, traffic engineer and the DES. All traffic control procedures shall be in accordance with GA DOT regulations.

iii. Employee

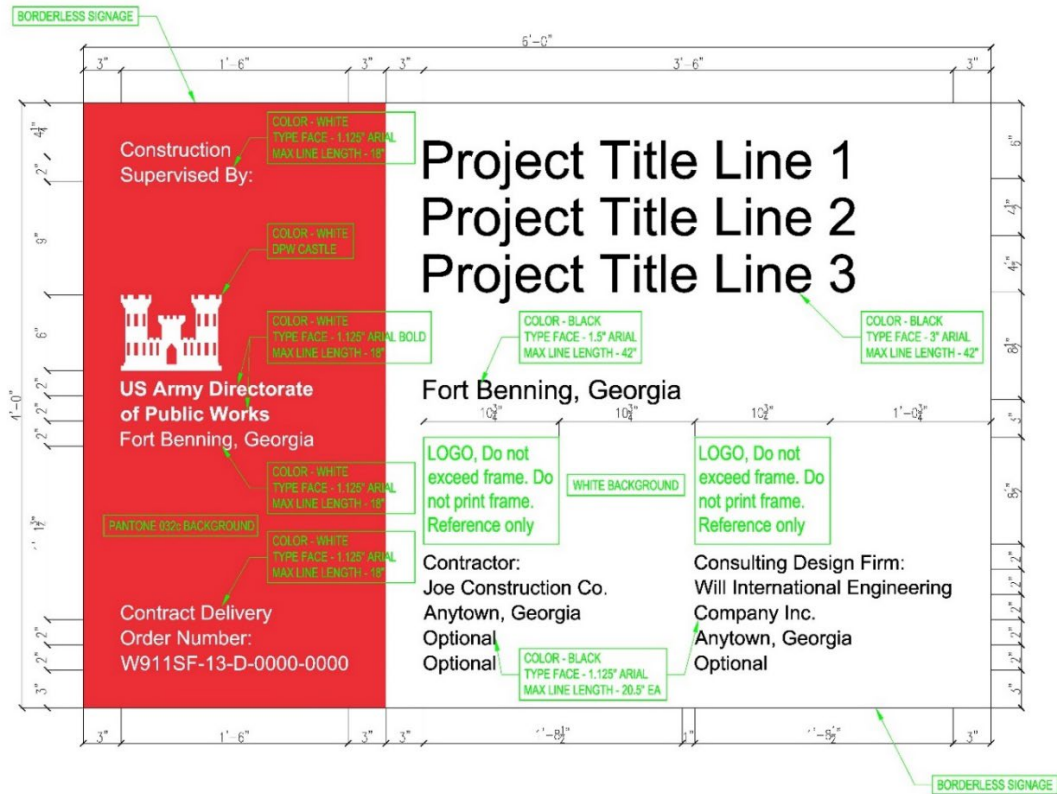
1. In order to provide safety controls for protection to the life and health of employees, and other persons; for prevention of damage to property, materials, supplies, and equipment; and for avoidance of work interruptions in the performance of this contract, the Contractor shall comply with all pertinent provisions of the U.S. Army Corps of Engineers Safety and Health Requirements Manual EM 385-1-1, as amended. The Contractor will also take or cause to be taken such additional measures as the KO may determine to be reasonably necessary for the purpose.

#### **m. Accessibility to Work Site:**

- i. Normal Working hours for the Contractor will be 0800 to 1630, Monday through Friday, excluding Saturdays, Sundays, and Federal Holidays. If the Contractor wishes to work during periods other than above, additional Government inspection forces will be required. The Contractor must notify the Contracting Officer (KO) five (5) working days in advance of his/her intention to work during other periods to allow assignment of additional inspection forces when the Contracting Officer determines that the additional inspection force is reasonably available. All inspections will be done during normal duty hours. Due to certain circumstances (i.e., emergencies or urgent requirements), deviation of contractor's working hours will be as indicated in the RTOR.

#### **n. Signage**

- i. General
  1. If a contractor decides to erect project signage on the job site, they will follow the prescribed design.
  2. Special applications or situations not covered in this section of the SOW should be referred to DPW for consideration.
- ii. Project Identification Sign
  1. This sign is to be displayed at construction sites. It is an important part of efforts to keep the public informed of DPW work. For this purpose, a construction project sign package has been adopted.
  2. Below is a sample of the Construction Project Identification sign. The graphic format for this 4'x 6' sign panel follows the legend guidelines and layout as specified below. The large 4'x 4' section of the panel on the right is to be white with black lettering. Company logos will be located in the area designated for logos and will be in color. The 2'x 4' section of the sign on the left is to be Communication Red with white lettering and graphics.



iii. Mounting Guidelines

1. The sign panels are to be fabricated from .75" High Density Overlay Plywood.
2. Sign graphics to be prepared on a white non-reflective vinyl film with repositionable adhesive backing. All graphics except for the Communication Red background are to be die-cut or computer-cut non-reflective vinyl, pre-spaced legends prepared in the sizes and typefaces specified and applied to the background panel following the graphic formats shown.
3. Drill and insert six (6) .375" T-nuts from the front face of the HDO sign panel. Position holes as shown. Flange of T-nut to be flush with sign face.
4. Apply graphic panel to prepared HDO plywood panel following manufacturers' instructions.
5. Sign uprights to be structural grade 4" x 4" treated Douglas Fir or Southern Yellow Pine, No.1 or better. Post to be 12' long. Drill six (6) .375" mounting holes in uprights to align with T-nuts in sign panel. Countersink (.5") back of hole to accept socket head cap screw (4" x .375").
6. Assemble sign panel and uprights. Imbed assembled sign panel and uprights in 4' hole. Local soil conditions and/or wind loading may require bolting additional 2" x 4" struts on inside face of uprights to reinforce installation.

**o. Daily Housekeeping:**

- i. The Contractor shall keep work area clean and remove all unneeded construction debris daily and/or as directed by the Construction Inspector, User, or Contracting Officer's Representative.

**p. Required Submittals:**

- i. The contractor will provide submittals according to the specifications or noted elsewhere in this Statement of Work.
- ii. The Contractor shall provide to the Government for review, comment and approval all submittals required herein prior to starting work, including design, engineering and construction documents as well as a timeline schedule for the work prior to beginning construction. Product submittals and shop drawings shall not be submitted until after the design submittals are reviewed and approved.
- iii. The Contractor's personnel will compile submittals based on the Specifications or other sections in this Statement of Work. Submittals will be complete before submitting to the Government for review. A complete submittal will consist of all items required for a submittal. Sending information incrementally for one submittal is unacceptable.
- iv. The contractor will make sure all submittals are reviewed by the designer of record (DOR) prior to government acceptance via transmittal. Any submittal transmitted to the government without a DOR review and stamp/signature will be rejected/dis-approved.
- v. The contractor will provide a submittal register to track and log all submittals between government (DPW) and contracting office (MICC). The contractor will be responsible for updating the submittal register on a regular basis and provide to government (DPW) when requested.
- vi. The contractor will email or hand deliver all submittals to the contracting officer (MICC) designated for the project. DPW will accept any submittals unless filtered through MICC first.
- vii. The contractor's personnel or A/E firm will indicate which product will be used when multiple products are listed on a submittal.
- viii. Failure to comply with sections "i" thru "v" may result in a disapproved submittal.

**q. Special Instruction:**

- i. Contractor will ensure that all individuals associated with the work adhere to all safety regulations and codes. Construction debris waiting removal from the site will be stored per regulations and codes. Contractor will walk the site prior to leaving for the day to ensure all debris is picked up and disposed of properly.

- ii. The contractor will verify that all Federal, State, Local, and Fort Moore (144R) environmental regulations and code are being followed.
- iii. Omissions from the drawings or specifications or the wrong description of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or incorrectly described details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.
- iv. Contract modifications shall be determined by using R.S. Means Building Construction Cost Data for Columbus Georgia. This pricing will be as taken from the latest pricing quarter release.
- v. Contractor shall provide detailed records to the government inspector to verify all quantities of work; this shall include, but is not limited to, the following:
  - 1. Contractor shall notify the inspector 48 hours prior to any work including set up and prep work.
  - 2. Daily work reports; of number workers and equipment on site (to include any subcontractors), type of activity being performed, work hours and schedule.
  - 3. Records of materials removed or installed; and to include quantities, haul route, trips and land fill location.

### **3. Construction Detailed Requirements**

#### **01 General Requirements**

- i. General
  - 1. Professional Engineers
    - a. The contractor will have a Professional Engineer (PE) design, provide drawings, calculations, and specifications for all elements required to complete the work. All calculations, drawings and specification will be part of the 100% design submittal.
    - b. Any mechanical, electrical and plumbing (MEP) or civil portions of the design drawings provided with the 35% drawing package are to be reference only and is the responsibility of the Contractor to pursue the resources to complete all calculations, drawings and specifications by a professional engineer (P.E.) for a 100% design submittal.
  - 2. Material Testing Technicians

- a. The contractor shall ensure qualified personnel are present and qualified for any testing required by work shown within these bid documents and follow-on specifications. Testing to consider include, but is not limited to:
  - i. Concrete slump testing
  - ii. Concrete compressive strength and sample collection
  - iii. Geotechnical borings and reports
  - iv. Soil density and water content
- b. The contractor shall ensure certified lab facilities and qualified personnel are available to provide testing reports and comparison with applicable specifications.

## **02 Existing Conditions/Site Work**

### **i. General**

1. All Federal, State, Local, and Fort Moore codes and regulations will be adhered to during the performance of any portion of the work.
2. The contractor shall visit site and examine existing conditions before submitting his/her bid. The contractor shall not receive additional compensation for any work that can be inferred through observation of existing conditions. Work that cannot be verified prior to his/her bid through inferred observation of existing conditions or through examination of bid documents provided can be considered for additional compensation.
3. Drawings are preliminary in nature and do not intend to give exact dimensions. All measurements shall be field determined by actual conditions.
4. Provide complete survey of site following award of the project.
5. Provide geotechnical investigation and report of site conditions to inform final design submittal for construction.
6. Provide all safety equipment, dumpsters, and erosion control measures required to keep a well-maintained construction site.
7. Demolish and remove existing vehicle scales, select demolition of concrete approaches, and concrete scale pits.
8. Mill and remove asphalt surface area according to 35% concept drawings and A/E firm final construction drawings and specifications.
9. Protect existing utilities and structures noted on the 35% concept drawings from damage during demolition and site work activities. Note any unforeseen site conditions to Inspector

for further evaluation and recommendation for A/E firm's DOR and submittal of corrective action to Government for approval.

### **03 Concrete**

i. General

1. Provide concrete mix designs meeting requirements of specifications and manufacturer's recommendations for scale pits below vehicular scales to be installed. Provide second standard concrete mix design for concrete flume and slab.
2. Prepare site, form, and pour concrete according to 35% concept drawings and A/E firm final construction drawings and specifications.
3. Provide all joints and reinforcement for concrete structures according to 35% concept drawings and A/E firm final construction drawings and specifications.

### **04 Masonry**

i. N/A

### **05 Metal**

i. N/A

### **06 Wood**

i. N/A

### **07 Thermal and Moisture Protection**

i. N/A

### **08 Openings**

i. N/A

### **09 Finishes**

i. N/A

### **10 Specialties**



- i. N/A

## **11 Equipment**

- 1. N/A

## **12 Furnishing**

- i. N/A

## **13 Special Construction**

- i. N/A

## **21 Fire Suppression**

- i. N/A

## **22 Plumbing**

- i. N/A

## **23 Mechanical**

- i. N/A

## **26 Electrical**

- i. N/A

## **31 Earth Work**

- i. Excavate and remove in-situ soil/aggregate material from areas indicated for site preparation according to 35% concept drawings and A/E firm final construction drawings and specifications.
- ii. Compact subgrades according to 35% concept drawings and A/E firm final construction drawings and specifications.
- iii. Install geotextile fabrics, as needed/required, according to 35% concept drawings and A/E firm final construction drawings and specifications.

- iv. Install Graded Aggregate Base (GAB) material as a subbase in areas indicated and compact according to 35% concept drawings and A/E firm final construction drawings and specifications.
- v. Fine grade swale areas at both sites for drainage improvement according to 35% concept drawings and A/E firm final construction drawings and specifications.
- vi. Install rip-rap aprons at outfall of drainage structures according to 35% concept drawings and A/E firm final construction drawings and specifications.

### **32 Exterior Improvements**

- i. Provide GDOT approved surface and binder course asphalt mix for placement in milled areas and along utility cut for storm drain pipe according to 35% concept drawings and A/E firm final construction drawings and specifications.
- ii. Install replacement modular vehicular scales at each site according to manufacturer's recommendations and requirements. Ensure connection and operability with existing electrical infrastructure and digital scale readouts in the sites respective facilities.
- iii. Sod all disturb areas for final stabilization of site.

### **33 Utilities**

- i. Provide weir top pedestal inlet structure, precast headwall, and Class V 24" Reinforced Concrete Pipe in vicinity of Hazardous Cargo Apron vehicle scale according to 35% concept drawings and A/E firm final construction drawings and specifications.
- ii. Properly mark and consider all utilities in project area prior to beginning work; any potential or realized conflicts shall be coordinated with DPW Inspector and appropriate utility provider.
- iii. All scheduling, submittals and installation of utilities connections involved with this project are to be coordinated with DPW, Utility COR and all appropriate utility providers.
- iv. As applicable, incorporate utility design information into project plans and furnish documentation to DPW and utility providers.

### **41 Material Processing and Handling Equipment:**

- i. N/A