Project:

New Athletic Turf and Improvements
at the Athens High School Stadium
For The Athens City Board of Education
Athens, Alabama

Project No: 19-163
BC No: 2019198

A1.1 GENERAL MODIFICATIONS:

The following changes and/or substitutions to the plans and specifications are hereby made a part of same and are incorporated in full force as part of the contract.

Bidders shall acknowledge receipt of this Addendum in writing on his Proposal Form.

A. CLARIFICATION OF UNIT PRICE IN BASE BID

The 3,000 C.Y. of replacing unsuitable material will be in addition to the excavation of sodding, topsoil and other materials to the prescribed subgrade depth.

A1.2 SPECIFICATION MODIFICATIONS:

A. Refer to revised section 01010-Scope of work attached herein.
B. Refer to revised section 12601-Scoreboards dated 04.22.19.

A1.3 DRAWING MODIFICATIONS:

A. Refer to revised drawing C2.0 dated 04.19.19 attached herein.
B. Refer to revised drawing E0.1 dated 04-22-19 attached herein.
C. Refer to Sheet No. C1.0. The Existing Flagpole is to remain. Delete reference to removal of existing flagpole.

END OF ADDENDUM ONE
SECTION 01010 - SCOPE OF THE WORK (REVISED 04.22.19)

PART 1 – GENERAL

RELATED DOCUMENTS AND GENERAL INFORMATION:

Drawings and general provisions of the Contract including General and Supplementary Conditions and other Division 1 specification sections apply to the work of this section.

SUMMARY:

This Section includes the following:

1. Type of the Contract.
2. Schedule of Installation.
4. Project Work Identification.
5. Owner-furnished products.
7. Contractor Use of premises.
8. Work Under Other Contracts.
13. Protection of Work in Place.
15. Owner's occupancy requirements.

Related Sections include the following:

1. Division 1 Section 01500 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

TYPE OF CONTRACT:

1. Construction Contract (ABC Form C-5, August 2001).

SCHEDULE OF INSTALLATION:

1. Refer to Owner Furnished Products. The Owner will cut and remove the sod on the field prior to installation of the new turf system. The installation shall begin no later than Monday, June 3rd, 2019, and complete by Friday, August 2nd, 2019.
BUILDING COMMISSION USER FEES:


1. The General Contractor shall include in his Base Bid Proposal all “Permit” and any “Inspection” fees addressed as stated in this memorandum.

2. Do not include the “Plan Review Fee” or the “Contract Administration Fee” in your Proposal.

PROJECT / WORK IDENTIFICATION:

General: Project name is as indicated in the Advertisement For Bids and as shown on the Contract Documents prepared by McKee & Associates, 631 S. Hull Street Montgomery, Alabama 36104.

Contract Documents: Indicate the work of the Contract and related requirements and conditions that have an impact on the project. Related requirements and conditions that are indicated on the Contract Documents include, but are not limited to the following:

1. Existing site conditions and restrictions on use of the site including ingress and egress to the site.
2. Grading operations at the site.
3. The Contractor shall be responsible to secure the site during the execution of the work and provide proof of insurance including but not limited to General Liability, W/C, Auto, Equipment, Etc.

Summary by References: Work of the Contract can be summarized by references to the Contract, General Conditions, Supplementary Conditions, the Project Manual, Technical Specification Sections, Drawings, Addenda and modifications to the Contract Documents issued subsequent to the initial printing of this Project Manual and the Drawings, and including but not necessarily limited to, printed material referenced by any of the above. It is recognized that the Work of the Contract is also unavoidably affected or influenced by governing regulations, natural phenomenon including weather conditions, and other forces outside the contract documents.

OWNER FURNISHED PRODUCTS:

1. The Owner will remove the Sodding. The Contractor shall remove the topsoil and any remaining material to the prescribed sub grade depth. The topsoil will be removed from the site and stockpiled at the Athens High School campus as directed by the Owner and/or Architect.

SUPERVISION:

New Athletic Turf and Improvements at the Athens High School Stadium Athens, Alabama

MCKEE PROJECT # 19-163
Supervision: The Contractor shall provide adequate supervision of the project to ensure proper supervision for all work.

CONTRACTOR USE OF PREMISES:

General: During the entire cleanup period the Contractor shall have the exclusive use of the premises for cleanup operations, including full use of the site as shown on the Drawings.

Limitations of exclusive use of the site:

a. Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond areas on which work is indicated are not to be disturbed. Conform to applicable rules and regulations affecting the work while engaged in project performance. See site plan for ingress and egress to the site, or if not indicated, same shall be as designated by the Architect.

b. Keep existing public roads, driveways and entrances serving the premises clear and available at all times. Do not use these areas for parking or storage of materials. Remove dirt, mud, debris, etc., from site, sidewalks, streets, and public right-of-way as it occurs.

c. Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds and or designated storage areas as indicated.

d. Lock automotive type vehicles, such as passenger cars and trucks and other mechanized or motorized construction equipment, when parked and unattended, so as to prevent unauthorized use. Do not leave such vehicles or equipment unattended with the motor running or the ignition key in place.

e. The Owner, and their representatives, the Architect and their Consultants, as well as authorities having jurisdiction will require site accessibility for inspections, observations, and perhaps other purposes, related to the planned new construction. All Contractors shall assist in such accessibility, to at least the point of providing and maintaining accessible dry paths to work in progress.

f. Furnish and install by contractor temporary barricades, fencing, etc., as indicated or otherwise required, to restrict pedestrian and vehicular traffic from construction operations, including in part, Owner's staff, the public, students, children, and residents of the adjacent residential neighborhoods.

g. Construction operations shall not affect in any manner, the on-going operations of the Owner, immediately adjacent facilities, adjacent property owners or businesses, or others. Refer to Division 1 Section "Special Conditions" for additional information and requirements regarding coordination with Owner's activities, etc.

h. Construction equipment shall not come in contact with or swing over existing facilities to remain, public areas, occupied buildings, right-of-ways, etc., which are to
remain.

i. All contractors and their employees shall limit any discussion of the Work of this project to the Owner's representatives named in the front of this Project Manual, Consultants employed, inspecting authorities with jurisdiction, and the Architect. In no instance shall this project be discussed with others, except as may otherwise be indicated herein.

j. Parking on-site, if any, shall be limited to the "staging areas" indicated on the Drawings, or if not indicated, as mutually agreed between the Architect and Contractor at the Pre-Construction Conference.

k. Smoking or other use of tobacco products shall not be permitted within the structure of the Building, Owner's facilities or on roofs.

l. The use or presence of alcohol and/or other debilitating substances shall not be permitted in the construction of the building and or on the project site.

m. Firearms and/or other weapons shall not be permitted on the project site.

n. The Contractor shall furnish necessary temporary toilets for all work forces on the job site.

PART 2 - SCOPE OF THE WORK:

The Scope of the Work of the Contract is meant to be viewed as a successor to the General Special Conditions of the Contract. Should any discrepancy or ambiguity be noted, the Scope of the Work of the Contract shall apply and the General Special Conditions of the Contract shall defer to Scope of the Work of the Contract Documents. The scope of the work shall be taken in its entirety by all contractors. In signing the contract all contractors have read and understand that the Scope of the Work and the General Special Conditions are taken in their entirety.

The term "Design Consultant" shall be construed to mean "Architect".

The terms "Owner" shall mean "The Athens City Board of Education".

WORK UNDER OTHER CONTRACTS

General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract. Coordinate the Work of this Contract with work performed under separate contracts.

Concurrent Work: Owner will award separate contract(s) for the following construction operations at the Project site. Those operations will be conducted simultaneously with work under this Contract.

1. Work done by others or by Owner.
   a. Any items noted N.I.C.
   b. Construction Testing as defined in Section 01400 Quality Requirements.
BUILDING AND SITE CONSTRUCTION:

1. The Contractor shall maintain the entire site, provide dust control and keep the streets clean at all times and or as directed by the Architect. The Contractor shall call for and be responsible for the locating of all utilities prior to start of work. Use extreme care when working in close proximity to the existing water lines to prevent movement and damage to the water lines.

2. The Contractor shall install and or replace all fencing including furnish and install all temporary fencing as required for all work including safety barriers, signs, traffic directional signals, temporary stripping, flagman, temporary road plates and any temporary roads around any obstruction and or work being constructed. The Contractor shall make all provisions to keep the public and or temporary access roads open during the duration of the work.

3. The Contractor shall maintain & level, all temporary roads and temporary lay down and storage areas using same stone base material. Roads must have no potholes, dips, or rises and provide access to and from the site and other locations on site. The Contractor shall maintain the temporary roads used to move material on the site. Temporary roads are existing and the Contractor shall maintain these temporary roads throughout the duration of construction activity while Contractor is onsite.

GENERAL ISSUES:

1. The Contractor shall be responsible for their own on-site safety requirements within the site per OSHA regulations.

2. Only an approved company owned and insured vehicle shall be allowed on to the construction site. Vehicles shall be clearly marked and identified with the company logo and or name.

TEMPORARY ELECTRICAL POWER AND JOBSITE UTILITIES:

1. The Contractor is responsible for the all costs associated with temporary electrical requirements for performance of the work. The Contractor shall be responsible for the all costs associated with temporary water required for the performance of the work. The Contractor is responsible for all other utility costs as required for the performance of the work.

SITE SECURITY / INSURANCE REQUIREMENTS:

1. The Contractor shall have care custody and control of the site. Contractor shall be responsible for the replacement of their material, equipment and any loss of such. Contractor shall be responsible for securing all material and equipment. If there is a loss and or damage of material and equipment, that loss shall go against the Contractor's insurance coverage.
PROTECTION OF WORK IN PLACE:

1. The Contractor shall protect all completed work and any rework shall be the responsibility of the contractor at no additional cost to the owner.

WORK RESTRICTIONS

Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

1. Notify Architect and Owner not less than two days in advance of the proposed utility interruptions.

2. Do not proceed with utility interruptions without Architect's and Owner's written permission.

Nonsmoking Building: Smoking and smokeless tobacco will not be permitted within the new construction after floor slabs are poured.

OWNER'S OCCUPANCY REQUIREMENTS

Owner Occupancy: Owner will occupy adjacent parking lots during entire construction period. Cooperate with Owner during construction operations adjacent to or near the existing building and parking to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits, unless otherwise indicated.

Maintain access to existing walkways and other adjacent occupied or used facilities. Do not close or obstruct walkways or other occupied or used facilities without written permission from Owner and authorities having jurisdiction. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.

Owner Occupancy of Completed Areas of Construction: Owner reserves the right to place and install equipment in completed areas of building, before Substantial Completion, provided such does not interfere with completion of the Work. Such placement of equipment shall not constitute acceptance of the total Work.

SPECIFICATION FORMATS AND CONVENTIONS

Specification Format: The Specifications are organized into Divisions and Sections using the 16-division format numbering system.

1. Section Identification: The Specifications use Section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete because all available Section numbers
are not used. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of Sections in the Contract Documents.

**Specification Content:** The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. **Abbreviated Language:** Language used in the Specifications another Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.

2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
   a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

END OF SECTION
SECTION 12601 – SCOREBOARDS (REVISED 04.22.19)

PART 1 – GENERAL

RELATED DOCUMENTS:

Drawings and general provisions of Contract including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

SECTION INCLUDES

1. Delay of Time Display for outdoor use.

2. Contractor is responsible for connecting new Delay of Time Displays to existing scoreboards and providing all material and labor required for this connection.

REFERENCES


SUBMITTALS

Scoreboard owner’s handbook provides drawings and other information needed for installation, operation, and maintenance of the scoreboard and accessories.

QUALITY ASSURANCE

Source limitation: Obtain all components including scoreboard, control console, data cable, mounting hardware, and other accessories from a single manufacturer.

Manufacturer qualifications: Require company specializing in manufacturing electronic scoreboards with a minimum of ten years experience.

Adherence to nationally recognized standards.

1. ETL listed to UL Standards 48 and 1433.
2. NEC compliant.
3. FCC compliant.

DELIVERY, STORAGE, AND HANDLING

Product delivered to installation site unless otherwise specified.

Scoreboard and accessories to be stored in a clean, dry environment.

Special precautions for the scoreboard face.
1. Each scoreboard section will be protected during shipment by a layer of cardboard or other sheet material. Avoid removing this protective sheet until the installation begins.
2. Never lay a scoreboard face down or stack other objects on a scoreboard lying on its back.
3. Avoid sliding objects (like another scoreboard) along the plane of the scoreboard face even if the protective sheet is in place. This can result in LEDs being sheared.

PROJECT CONDITIONS

Scoreboard and accessories should not be installed until the mounting posts are secure and the concrete footings have set.

The customer determines location of scoreboard, control console, and other accessories.

The contractor is responsible for verifying that the mounting structure is capable of supporting the weight and wind load of the scoreboard, additional ID panels, and other accessories.

The contractor is responsible for making certain the installation meets any requirements set forth in local codes, which may include limitations on the height of the structure, specifications of footings, standards for wind loads, approvals by a locally licensed professional engineer, etc.

Installation of outdoor scoreboards and accessories is dependent upon suitable weather conditions.

WARRANTY

Five year limited warranty includes factory labor and material costs for repairing or replacing defective parts. Refer to the warranty document included in the scoreboard owner's handbook for specific information.

Warranty coverage based on the date of manufacture.

MAINTENANCE

Replacement parts and factory repair options available from manufacturer.

Product support provided by experienced technicians and online documentation available via phone, web, and email at no cost to customer.

PART 2 PRODUCTS

MANUFACTURER

Manufacturers: The following manufacturers' products have been used to establish minimum standards for materials, workmanship and function:

1. Basis of Design: Daktronics TI-2003 to match existing scoreboard and to be interfaced with the existing scoreboard and control console.
SCOREBOARD

Delay Of Game Time Displays:

A pair of these displays shall be mounted as indicated on drawings. These displays will be operated through the same control console handling the existing main scoreboard.

Dimensions: 36 x 48”
Weight: 65lbs. each
Accent Material: 2.4 mil cast vinyl.
Digit Height: 24”
Digit Colors: Amber or Red to be selected by architect.
Electrical: 0.4 Amps, 120 VAC each.
Wired handheld switch assembly.
Full sized 37 key control console with LCD display.
Fifty programmable brightness levels.
Junction box and patch cable for hardwired installations.
Team Name In Place of "HOME".

FINISH

Standard scoreboard faces and digit masks are coated with low gloss black polyester resin paint for maximum contrast and resistance to scratches.

1. Baked on automotive grade low gloss paint in a selection of 18 standard colors is available from the manufacturer for the scoreboard face.
2. Non-standard colors and finishes may be applied to the scoreboard face at the customer's request.
3. Colors to be selected by architect.

Scoreboard framing and back are mill-finished aluminum.

Captions and other decorative elements on the face of the scoreboard are vinyl.

LED display circuit scoreboards conformal coated for outdoor use.

SOURCE QUALITY CONTROL

Tests and inspection:

1. Manufacturer requires sub-contracted printed circuit board subassemblies to undergo functional testing at the point of manufacture.
2. Manufacturer inspects incoming components prior to installation in scoreboard and accessories.
3. Manufacturer functionally tests major electrical subcomponents prior to installation in scoreboard and accessories.
4. Manufacturer inspects and tests scoreboards and accessories at full power prior to shipment.

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MCKEE PROJECT # 19-163
PART 3 - EXECUTION

EXAMINATION

Verify that the mounting posts are correctly sized and positioned to match the mounting points on the scoreboard and any optional panels and that their concrete footings have properly cured.

Verify the scoreboard is grounded to one or more 5/8-inch by 8-foot copper clad ground rods driven into the soil near the scoreboard.

Verify 120 VAC power supplying the scoreboard is properly grounded. Verify 120 VAC outlet at control console location is properly grounded.

If data cable is used, verify continuity from scoreboard to control console location.

Verify data and AC power cables are not run in the same conduit or within six inches of each other in the same trench.

Verify data cable and AC power cable are secure and run in conduits where they might be exposed to abuse or where local, state, or national codes require.

Verify location of scoreboard, junction box, and accessories with customer.

INSTALLATION

Refer to scoreboard owner's handbook for installation instructions.

PROTECTION

The most common sources of damage to scoreboards and accessories are electrical surges running through power or data connections. The usual causes are lightning, power equipment problems (floating neutrals, bad transformers, etc.), and improper connections. To minimize these problems:

Ensure electrical wiring is properly grounded.

Ensure the scoreboard is correctly grounded to one or more 5/8-inch by 8-foot copper clad ground rods driven into the soil near the scoreboard.

Unplug control console from power outlet and from data cable when not in use.

Turn off the breaker to disconnect scoreboard from power when not in use.

Label scoreboard data cable junction box and all connectors near junction box, scoreboard, and accessories so that public address systems and other devices with similar connections are not accidentally plugged into the scoreboard.

Avoid loss or damage of control console, extension cable, and other accessories by storing when not in use.
END OF SECTION
CONCRETE JUNCTION BOX DETAIL

NOTES:

1) ALL CONCRETE SHALL BE CLASS 'A' AND SHALL DEVELOP A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI IN 28 DAYS.


3) STEPS ARE REQUIRED ON ALL INLET BOXES WHEN DIMENSION FROM BOTTOM SLAB FLOW LINE TO TOP OF TOP SLAB IS GREATER THAN 4.0 FT.

4) SIZE OF JUNCTION BOX SHALL BE ADJUSTED TO ACCOMMODATE PIPE SIZES, LOCATIONS, DIRECTIONS, AND INVERT ELEVATIONS AS ShOWN ON THE PLANS.

5) THERE WILL BE NO DRAINAGE WORK PERFORMED OUTSIDE OF THE EXISTING TRACK.

6) ALL EXISTING PIPES ARE TO REMAIN IN PLACE. JUNCTION BOXES WILL BE REBUILT TO CONNECT TO EXISTING PIPES. THE CONTRACTOR SHALL MATCH EXISTING INERTS.

7) FIELD ELEVATION SHALL MATCH THE EXISTING ELEVATION OF THE INSIDE TRACK CURB. THE FIELD ELEVATION IS APPROXIMATELY 57.7 FT.