

CHATHAM COUNTY PURCHASING & CONTRACTING DEPARTMENT

ADDENDUM NO. 3 TO 20-0098-4

FOR: AMBUC BASEBALL COMPLEX IMPROVEMENTS

PLEASE SEE THE FOLLOWING FOR ADDITIONS, CLARIFICATIONS AND/OR CHANGES:


- 1. See attached sheets for Responses to Questions Received.
(2 pages)**
- 2. See attached Specification Section *11 68 43 Outdoor Scoreboard*.
(5 pages)**

NOTE: This will be the final addendum for this project.

**BID OPENING REMAINS:
2PM, TUESDAY, JANUARY 26, 2021**

THE PROPOSER IS RESPONSIBLE FOR MAKING THE NECESSARY CHANGES AND MUST ACKNOWLEDGE RECEIPT OF ADDENDUM.

1/19/21
DATE



ROBERT E. MARSHALL
SENIOR PROCUREMENT SPECIALIST
CHATHAM COUNTY

RFC Number	Date	Question	Answer
RFC 1	12/16/2020	Substitution Request - Sprinturf would like to be approved to bid the synthetic turf portion of the project. Please see the attached cut sheet for our Ultrablade Slit Film System.	The Sprinturf Ultrablade Slit Film System is an approved equivalent synthetic turf product. In accordance with the other approved products, the selected Sprinturf Ultrablade product shall be: a. A UV stable, slit film fiber product. b. Provide 3/8" Stitch Gage. c. Finish pile height: 1.5" min. inches. d. Permeability: 15" per hr. min. e. G-max at install: 125 max.
RFC 2	12/16/2020	I did not see any minimum face weight in the spec. Do you plan to issue that info by addendum?	A minimum face weight will not be specified for this project. Bidders shall use one of the specified synthetic turf products.
RFC 3	12/22/2020	The air specifications for concrete mixtures for building elements is 6% +1.5%, and for sidewalks, curbs, and flatworks is 4%-8%. Our geographical area is considered negligible for air entertainment according to NRMCA and ACI. Can we get the air specifications changed to reflect what is recommended for the geographical area of this project?	Concrete shall be air entrained and shall conform to the air content limits of ACI 301-99 Table 4.2.2.4.
RFC 4	12/22/2020	The sidewalks, curbs, and flatworks specifications are calling for a 4500psi mix. I just want to clarify that this is what the owner is asking for. It seems a little excessive for a sidewalk, is there a reason?	Specified compressive strength of concrete for sidewalks, curbs, and flatwork shall be a minimum of 3,000 psi unless a greater strength requirement is indicated on the contract drawings or specifications.
RFC 5	12/22/2020	Sheet A101 showing Stainless Steel Countertop, Table with undershelf and Storage Shelving. Can dimensions for each be provided along with quantity of shelves required or an elevation view?	Interior counter & shelving elevations can be seen in drawings 1/A-300 & 2/A-300. Dimensions of counters & shelving are included in the attached sketch "AMBUC Counter & Shelving Dim's".
RFC 6	12/22/2020	Is there a GeoTech report?	The geotechnical investigation report will be made available for reference as part of Addendum #1.
RFC 7	12/22/2020	Sheet C-201 Site grading page has different proposed grades from sheet C203 Paving & Grading plan in the baseball field area and around clubhouse. Which sheet is accurate? I do not know how I missed that discrepancy?	Site grading plans have been clarified as part of Addendum #1. Please see revised sheets C-201 and C203.
RFC 8	12/22/2020	Specs call for bottom tension for fence Page 6 Item M and drawing C 605 shows bottom rail. Which is correct?	Chain link fence shall have a bottom rail per details on sheet C-605.
RFC 9	12/22/2020	Fence - Wire is 9ga core, 8 ga finished diameter, black vinyl coated for fence and 6ga finished diameter, extruded bonded for backstops, is this correct?	Chain link fabric shall be 9 ga core for fences and gates and 6 ga core for backstops per Section 323113 Part 2.2.A. All fence, gate and backstop wire shall be thermally-bonded PVC per Section 32113 Part 2.6.2.
RFC 10	12/22/2020	Fence - C605 calls for outfield cover on outfield fence only a see specs. Don't see specs for outfield cover.	Specification for top rail guard for outfield fencing is included in Section 115213 - Outdoor Sports Equipment.
RFC 11	12/23/2020	Substitution Request - Synthetic Turf Playing Field System - ActGlobal Xtreme Turf F40.	Approved.
RFC 12	1/11/2021	On drawing E101 note 2 says to relocate scoreboard controls cable to new controller. Where will new controller be located?	Contractor shall relocate scoreboard control cables to new hand holes (4) to be located behind each baseball field backstop. The Owner will be constructing elevated scoring platforms behind each backstop and scoreboard controller will be operated from the platform.
RFC 13	1/11/2021	Are there only (3) Restroom Signage needed for this project? Also, Sheet A-500, has a drawing, but no sign size, no signage schedule noted. Please advise.	There are only 3 restroom signs in the project: •Men's symbol + a handicap symbol & braille lettering •Women's symbol + a handicap symbol & braille lettering •Unisex symbol(s) + a handicap symbol & braille lettering All signs to be ADA compliant with minimum dimensions of 6"x9".
RFC 14	1/11/2021	Is irrigation system required?	No.
RFC 15	1/13/2021	Would it be possible for you to please clarify the specs for the two new bleachers in this project?	Per C-101, new bleachers shall be 5-row, 21-ft long, aluminum bleachers with ADA companion seating.

RFC Number	Date	Question	Answer
RFC 16	1/13/2021	Section 115213 Outdoor Sports Equipment : Are New bases, pitching rubbers and home plates required on all of the fields?	Yes.
RFC 17	1/13/2021	Section 321823.20 Infield Mix : Part 3 Execution 3.2 & 3.4 Do we need a conformance survey to verify grades of infield mix?	A full as-built conformance survey of the infield areas is not required.
RFC 18	1/13/2021	Section 329223.10 Sodded Athletic Fields : A) In the pre bid conference phone call it was suggested to use fire hydrants to water the new sod. Can you give us the location and approximate distance from fields to the nearest fire hydrant? B) What maintenance will be required on the natural turf fields?	Sheet C-401 Utility Plan shows the location of the frost-proof yard hydrant to be added as part of the project Work. This plan also shows the location of the existing fire hydrant. Maintenance requirements for sodded areas are detailed in Section 329223.10 Sodded Athletic Fields of the project specifications. Sodded turf shall be maintained for no less than 30 days after completion of turf installation.
RFC 19	1/13/2021	I am trying to figure out what the new infield area will be on the natural turf fields. The existing infield has a radius of 80' from the existing pitching rubber. The Infield layout plan Detail #1 on C-601 shows a radius of 60'. Is the whole infield shifting? If so, do we need to construct any new area per Detail #3 C-601. If not, then it appears new sod would be needed to reduce the radius of the infield. If this is the case does new sod area to be constructed per Detail #4 C-601?	The area of new infield mix installation varies across the three natural turf fields. Please refer to Sheet C-103 Site Dimension Plan to compare the new infield boundary with the existing infield boundary shown in the background (light grey lines) from the existing conditions survey. New sod will be required to (1) fill in existing infield areas that extend into new outfield and (2) repair natural turf outfield areas that are disturbed during construction.
RFC 20	1/13/2021	Please provide specifications for the Outdoor Scoreboard. Also, will new power need to be fed to the scoreboard (s)? If so, provide elec site plan with requirements	Please refer to attached specification Section 116843 Outdoor Scoreboard. Electric service to existing scoreboard shall be protected, retained, and inspected for use to connect and power new scoreboard.
RFC 21	1/13/2021	Please provide specifications for the Bat & Helmet racks in the dugouts	Helmet and bat racks are Not in Contract and will be provided by the Owner outside of this project work.
RFC 22	1/13/2021	Per Detail 3 on drawing C-606, the roof framing for the Dugouts is to be pre-engineered with 3" metal rafters. This will be an expensive system, due to the engineering. Typically, these are framed out of wood or steel piping to match the fence framing and welded in place. Please confirm that the owner wishes to go the engineered route.	Dugout roof framing is <u>not</u> required to be pre-engineered and may be framed in the field out of wood or 3" diameter steel piping to match the dugout fence framing. As noted on Detail 3/Sheet C-606, the Contractor shall submit shop drawings of the proposed roof framing system to the Engineer for review prior to construction.

SECTION 11 68 43 – OUTDOOR SCOREBOARD

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Provide and install one Baseball/Softball scoreboard with wireless controller, receiver/transmitter, carrying case and horn. The Baseball/Softball scoreboard shall provide timing and scoring for two teams in the sports of baseball/softball.

1.2 REFERENCES

- A. The following references shall be applicable:
 - 1. ETL listed to Standard for Electric Signs, UL-48.
 - 2. ETL listed to Standard for Control Centers for Changing Message Type Signs, UL-1433.
 - 3. Tested to CSA standards and CE labeled for outdoor use.
 - 4. Standard for CAN/CSA C22.2.
 - 5. Federal Communications Commission Regulation Part 15.
 - 6. National Electric Code.

1.3 SUBMITTALS

- A. Product data: Submit manufacturer's product illustrations, data and literature that fully describe the scoreboards and accessories proposed for installation.
- B. Shop drawings: Submit mechanical and electrical drawings.
- C. Maintenance data: Submit manufacturer's installation, operation, and maintenance manuals.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Product delivered on site.
- B. Scoreboard and equipment to be housed in a clean, dry environment.

1.5 PROJECT CONDITIONS

- A. Environmental limitations: Do not install scoreboard equipment until mounting structure is secure and concrete has ample time to cure.
- B. Field measurements: Verify position and elevation of structure and its layout for scoreboard equipment. Verify dimensions by field measurements.
- C. Verify mounting structure is capable of supporting the scoreboard's weight and windload in addition to the auxiliary equipment.
- D. Installation may proceed within acceptable weather conditions.

1.6 QUALITY ASSURANCE

- A. All scoreboards shall be manufactured for outdoor use.
- B. Source Limitations: Obtain each type of scoring or related equipment through one source from a single manufacturer.
- C. ETL listed to UL Standards 48 and 1433.
- D. NEC compliant.
- E. FCC compliant.
- F. ETL listed to CAN/CSA 22.2.

1.7 WARRANTY/SERVICE PLAN

- A. Provide 5 years of warranty coverage.
- B. Provide an exchange program to supply replacement parts for components that fail during the coverage period. To minimize downtime, the exchange parts will be shipped on the same day the order is received or on the following day. The manufacturer will also enclose an air bill for return of the defective components.
- C. Provide access to a local Authorized Service Company.
- D. Provide a help desk staffed by experience technicians and coordinators who are thoroughly familiar with the scoreboard and available for technical support. This staff must be available at no additional cost to the customer and provide an "on-call" service during weekends.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. The following approved manufacturers are:
 - 1. Daktronics, Inc., 331 32nd Avenue, P.O. Box 5128, Brookings, South Dakota 57006-5128, 1-800-325-8766, www.daktronics.com
 - 2. Electro-Mech Scoreboard Co., 72 Industrial Blvd. • Wrightsville, GA 31096, 1-800-445-7856, www.electro-mech.com
 - 3. All American Score Boards, 401 S. Main Street, Panderville, WI 53954, www.allamericanscoreboards.com
 - 4. Fair Play Scoreboards, 1900 Delaware Ave., Des Moines, IA 50317, 1-800-247-0265, sales@fair-play.com
 - 5. Or approved equal.

2.2 PRODUCT

- A. Outdoor Baseball/Softball scoreboard, single-sided baseball scoreboard displays HOME and GUEST team scores for up to nine innings, total RUNS to 99 for each team, AT BAT to 99, BALL

to three, STRIKE to two and OUT to two. Scoreboard can show TIME or PITCH COUNT instead of AT BAT with included reversible caption panel.

1. Approved manufacturer(s):
 - a. Model BA-2005 Scoreboard by Daktronics.
 - b. Or approved equal.

2.3 SCOREBOARD

A. General information:

1. Dimensions:
 - a. 6 feet 6 inches high, 20 feet 0 inches wide, 0 feet 8 inches deep Baseball/Softball
 - b. 600 pounds Baseball/Softball.
2. Power requirement:
 - a. Baseball/Softball 120V AC, 2.4 amps, 260 W.
3. Color: To be selected and approved by Owner.

B. Construction:

1. Aluminum alloy 5052 construction per ASTM B221.
2. 100 percent solid state electronics housed in all aluminum cabinet.
3. LED color: Amber

C. Captions:

1. Baseball/Softball:
 - a. Vinyl applied directly to scoreboard face; TIME and PITCH COUNT on changeable caption panel
 - b. HOME and GUEST captions: 12" high
 - c. AT BAT/TIME/PITCH COUNT, BALL, STRIKE, and OUT captions: 10" high
 - d. Inning numbers and RUNS captions: 8" high
 - e. Color: standard white or others available upon request

D. Required Equipment:

1. Carrying case for control console.
2. Scoreboard border striping.
3. Protective screen for LED digits.
4. Hardware for suspension installation.
5. Horn.

2.4 SCORING CONSOLE

- A. Console is an All Sport® 5000 controller
- B. Scores multiple sports using changeable keyboard inserts

- C. Controls multiple scoreboards and displays, including other All Sport 5000 controlled displays currently owned by customer
- D. Recalls clock, score, and period information if power is lost
- E. Runs Time of Day and Segment Timer modes
- F. Console includes:
 - 1. Rugged aluminum enclosure to house electronics
 - 2. Sealed membrane water-resistant keyboard
 - 3. 32-character LCD to verify entries and recall information currently displayed
 - 4. Power cord that plugs into a standard grounded outlet; 6 watts max
 - 5. Control cable to connect to the control receptacle junction box (wired system only)
 - 6. Hand-held switch for main clock start/stop and horn
 - 7. Soft-sided carrying case
- G. Accessory Equipment
 - 1. 2.4 GHz spread spectrum radio system with frequency hopping technology and 64 non-interfering channels; system includes a transmitter installed inside the console and a receiver installed inside the scoreboard(s)
 - 2. Hard carrying case
 - 3. Battery pack

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify that mounting structure is ready to receive scoreboard. Verify that placement of conduit and junction boxes are as specified and indicated in plans and shop drawings. Verify concrete has cured adequately according to specifications.

3.2 INSTALLATION

- A. All power and control cables to scoreboard will be routed in conduit, power to the scoreboard as well as raceways shown on electrical plans by the Electrical Contractor. Scoreboard control wiring including conduit will be the responsibility of the contractor assigned the scoreboard equipment.
- B. Install scoreboard to beams in location detailed and in accordance with manufacturer's instructions. Verify unit is plumb and level.

3.3 INSTALLATION – CONTROL CENTER

- A. Provide boxes, cover plates, and jacks in location selected by Owner.
- B. Test connect control unit to all jacks and check for proper operation of control unit, scoreboard and all features. Leave control unit in carrying case and other loose accessories with owner's designated representative.

C. Verify earth ground does not exceed 15 ohms.

END OF SECTION 11 68 43