

**Paycor Stadium General Admission Seating Replacement
Bid Package 1
ITB#028-26
Addendum 2**

May 8, 2026

To All Registered Vendors:

NOTE:

Add the following:

Specifications

00 01 10	Index to Project Manual – replace in its entirety.
00 10 00.4	Bid Form – replace in its entirety.
01 23 00	Alternates - replace in its entirety.
01 32 16	Construction Progress Scheduling – add schedule
12 63 23	Stadium & and Arena Seating - replace in its entirety.

Drawings
none

Attachments
None

Questions & Answers

RFI Question #001: Irwin cannot find a schedule in the documents published. It was our understanding that the complete project would be phased over two “off-season” periods (2027 and 2028). It would be helpful if the schedule clearly indicated which sections fall in which phase. Will a schedule be published as part of a future addendum?

Answer: Yes. See Attached

RFI Question #002: Specification Section 12 63 23, Page 10, Item 2.2.B.3 indicates that upholstered chairs must comply with California Technical Bulletin 133. Please review this requirement as it is typically not required in Ohio or in outdoor venues.

Answer OK

RFI Question #003: Specification Section 12 63 23, page 11, Item 2.4.B.1 and Page 11, Item 2.4.D.4 both indicates transfer plates shall be Stainless steel in accordance with ASTM A 304. Industry standard is galvanized carbon steel. Is galvanized carbon steel acceptable for steel transfer plates in lieu of stainless steel?

Answer: Yes

RFI Question #004: Specification Section 12 63 23, Page 11, Item 2.4.C.a indicates that up to 4 standard colors may be used. This conflicts with information provided on Sheet G-000 which indicates that use of 2 standard colors in a design/pattern should be priced as an alternate to base bid (which is assumed to be a single standard color). Please provide additional clarification on what should be included in base bid. If there is an alternate involving multiple colors, will the bid form be revised and reissued?

Answer: Base bid one color. Alternates for 2 standard colors (variation identified in spec). 4 colors not required at this time. KZF to revise spec and Messer to revise alternate. Addendum out tomorrow afternoon.

RFI Question #005: Specification Section 12 63 23, Page 12, Item 2.4.G includes information that conflicts with Page 13, Item 2.5.B.3 which includes a more accurate and detailed description of industry standard metal finishing process. Please review Item 2.4.G and consider removal from the specifications.

Answer: refer to attached revised Specification Section 12 63 23

RFI Question #006: Specification Section 12 63 23, Page 12, Item 2.4.L Details padded/upholstered seats for the Who Dey deck. On Sheet G-000 it is indicated that these chairs are “part of an allowance”. Is it correct to assume that the cost of these 60 chairs will be paid for out of the mandatory \$200,000 allowance included in the TC-02 base bid price?

Answer: OK. Covered in allowance.

RFI Question #007: Specification Section 12 63 23, Page 12, Item I calls for custom row and seat number tags. Please acknowledge that size and shape of tags is subject to some limitations related to part tooling. Can we assume in our base bid that owner will work collaboratively with vendor to stay within these limitations? Colors, fonts, and other “graphic” work is much more flexible.

Answer: Yes

RFI Question #008: Specification Section 12 63 23, Page 12, Item J includes, “final design to be determined solely by the Owner”. As with Item I, can we assume that owner will work collaboratively with vendor to provide an acceptable design that is similar in design and complexity to that which is currently installed in the Paycor club sections?

Answer: Yes, will work collaboratively but final design approval to be by owner contingent on meeting brand standards.

RFI Question #009: Specification Section 12 63 23, Page 13/14, Item 2.6.D.2, calls for a debossed logo in the face of the non-upholstered backs and includes, “final logo imager to be determined by the owner”. Can it be acknowledged that there are limitations to the amount of detail that can be achieved in the tooling and manufacturing process? Can it be changed to read, “Final logo image to be developed collaboratively with vendor, within vendor’s capabilities, to meet owner’s requirements”?

Answer: Yes, will work collaboratively but final design approval to be by owner contingent on meeting brand standards.

RFI Question #010: Work Scope Question, Can TC-02 base bid exclude any costs associated with erecting temporary safety railings, assuming that the rails would already be erected by TC-01 and stay in place for the duration of the project?

Answer: TC01 Demolition will erect, maintain and remove temporary railing. TC01 Demolition will coordinate the installation with TC02 Seating. After coordination, any modifications required for TC02 Seating to install their work shall be done by TC02 Seating.

Sincerely,

Jill Williams

Jill Williams
Purchasing Director

DIVISION 00 – GENERAL PROJECT REQUIREMENTS
SECTION 00 01 10
INDEX TO PROJECT MANUAL

NOTICE:

This Project Manual, an unpublished instrument of service of the authors, is for use on this Project only and is prepared for use in conjunction with the authors' interpretations, observations, decisions, and administration as described in the General Conditions, without which desired results are unlikely. Use in part or in whole for other purposes without the authors' expressed written consent may violate Act 17, United States Code, paragraph 301, 1991. Copyright 2013, KZF Design.

DIVISION 00 – GENERAL PROJECT REQUIREMENTS

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END OF DOCUMENT

BID FORM

ACKNOWLEDGMENT OF BIDDER:

Submitted by: _____
(enter company name here)

TO: The Board of County Commissioners, Hamilton County, Ohio
Hamilton County Purchasing Department
138 East Court Street, Room 507
Cincinnati, Ohio 45202

We, the undersigned, having visited the site, carefully studied the local conditions affecting the cost of the work, and having thoroughly examined the Bidding Documents, consisting of the Instructions to Bidders, this Proposal Form, Bonding Requirements, Minority, Women, and Small Business Enterprise Program, Contract Form, General Conditions, Technical Specifications, Drawings, and Addenda for the Project titled:

**Paycor Stadium General Admission Seat Replacement
Project
ITB#028-26
TC-01 Demolition and TC-02 Seating**

prepared by KZF., 700 Broadway, Cincinnati, Ohio 45202, for the Board of County Commissioners, Hamilton County, Ohio, do hereby propose to perform all work required to be performed, and to provide and furnish equipment, transportation services, and temporary installations necessary to perform and complete, in a workmanlike manner, such items of work hereinafter designated by and for the sum of money set forth for said items.

ACKNOWLEDGMENT OF ADDENDA:

The undersigned acknowledges receipt of the following Addenda to the Contract documents (indicate Addendum Number and Issue Date):

Addendum No. _____ Date: _____ Page(s): _____

Addendum No. _____ Date: _____ Page(s): _____

Addendum No. _____ Date: _____ Page(s): _____

Addendum No. _____ Date: _____ Page(s): _____

Addendum No. _____ Date: _____ Page(s): _____

A. BIDDER AGREEMENTS:

The undersigned Bidder Agrees:

1. To accept the provisions of these Instruction to Bidders, Supplementary Instructions to Bidders, General Conditions, and Division 1 of the Specifications.
2. To provide and include a Bid Guaranty and Contract Bond as dictated in the Legal Advertisement.
3. To accept the provisions and provide all required documents contained within the Minority, Women, and Small Business Enterprise Program.
4. That the amounts stated in this Proposal Form represents the entire cost of the work. The completion time stated represents the entire time for performance of the work. The amount bid includes allowances for all fees for permits, taxes and insurance required or applicable to the work. That no claims will be made for any increases in wage scales or material costs.
5. To certify that this bid is genuine not sham or collusive or made in the interest or in behalf of any person not herein named, and that the undersigned has not directly or indirectly induced or solicited any other bidder to put in a sham bid, or any other person, firm or corporation to refrain from bidding and that the undersigned bidder has not in any manner sought by collusion to secure for himself and advantage over any other bidder.
6. And certifies that (we) (he) (they) (has) (have not) previously performed work subject to the President's Executive Order No. 11246.
7. That this bidder will comply with all City, State, and Federal Statutes relating to Liability Insurance, Working Hours, Minimum Wages, Safety and Sanitary Regulations, which in any way may affect those engaged or employed on the work in the event that the award of the Contract is made on the Proposal hereinsubmitted.
8. That the bidder will comply with any new laws or acts regulating public buying procedures.
9. Refer to additional instructions for bidder registration process (See Registration Form within the Legal Advertisement Packet).

BID FORM STIPULATIONS:

1. The wording of this proposal shall be used throughout, without damage, alteration or addition. Any change in wording may cause it to be rejected.
2. Include all required forms.
3. Bid amounts shall be provided in both words and figures. The worded amount shall govern in the case of discrepancies or in cases of error in extending the total amount of the bid, the unit price may govern.
4. In the event that qualified bidders submit equal bids (to the penny) and are deemed the lowest and best bidders for that trade's bid, those bidders agree to let the County award the contract to the bidder selected by the current "tied bid" procedures used by the Hamilton County Purchasing Department.
5. A Base Bid must be submitted prior to bidding Alternates Bid unless noted otherwise in the Bid Form.

6. The Board of County Commissioners reserves the right to reject any or all bids and, unless otherwise specified by the bidder, to accept any item in the bid.

C. ALLOWANCES:

The County may after the bids are opened add an allowance to the contract at its own discretion. This allowance shall be added to the contract and so denoted in the contract in section 4.3. Any allowances added by the County shall be for incidentals associated with this project. If unused, during the project all allowance monies shall be returned to the County at the end of the project or at the County's request.

A. General:

1. Work related to cash allowances will be performed on a time and material basis. The Contractor shall furnish and certify daily detail records of all labor and materials provided.
2. If the cost to complete the work is less than the cash allowance, a deduct Change Order will be prepared by the County for the cost difference.

B. Cash Allowance Items:

1. Trade Contract TC-01 Demolition No.1: \$100,000
2. Trade Contract TC-02 Seating No.2: \$200,000

D. AWARDING:

The selection process includes but is not limited to:

1. The rules and laws set forth in the Ohio Revised Code for Public Bids.
2. The bidder submitting the Lowest and Best Bid per Ohio Revised Code.
3. The lowest accepted Base Bid and "Accepted" Alternate combination.
4. The bidder best meeting all required specifications.
5. Review of the required forms submitted by the Bidder at the time of the Bid Opening in compliance with the Minority, Women, and Small Business Program.
6. Substitutions not approved prior to the bid opening cannot be used in the determination of the Lowest and Best Bid Determination.
7. Substitutions will not be used in determining Lowest and Best Bids.
8. If Hamilton County and the bidder are unable to successfully come to terms regarding the bid and subsequent contract, Hamilton County reserves the right to terminate contract discussions with the bidder(s) and select the next apparent low bidder.

Hamilton County reserves the right to:

1. Reject any or all bids.
2. Waive any informality in the bids.
3. Eliminate conditions or terms that are not in the best interest of Hamilton County and its residents.

E. ADDITIONAL BID REQUIREMENTS:

Bidder shall review the Legal Advertisement for project timeline, pre-bid meeting information, bidding registrations, and addendum notifications.

Bidder shall review the Summary of Work for work hours, length of project, permitting requirements, contractor and sub assignments, and prime contract arrangements (single vs multiple contracts).

Bidder shall assume that No Asbestos removal or remediation is required on this project. Any contractor suspecting asbestos shall stop work immediately and report suspicious areas to the Owner. The owner shall be responsible for removing any asbestos discovered or targeted for removal in this project.

F. BID PROPOSALS:

Bidder's Name: _____

Each bidder is required to fill out all entries in the proposal section. Enter "NO BID" where no bid will be entered for this proposal.

BASE BID

TC-01 Demolition

(Includes \$100,000 Cash Allowance)

TOTAL COST (LUMP SUM): _____ (in numbers)

_____ (in words)
the worded amount shall govern

For reference only provide a breakdown of the total prices listed in the Base Bid. This breakdown is solely a reference tool to be used by the County and shall not enter into the determination of the winning bidder for this project. The summation of the lines below should equal your total price listed above.

- General Contractor Material: \$ _____ (in numbers)
- General Contractor Labor: \$ _____ (in numbers)
- Mechanical Material: \$ _____ (in numbers)
- Mechanical Labor: \$ _____ (in numbers)
- Electrical Material: \$ _____ (in numbers)
- Electrical Labor: \$ _____ (in numbers)
- Project Management: \$ _____ (in numbers)
- Allowance: \$ _____ (in numbers)

The summation of these lines should equal the Total Cost above.

BASE BID

TC-02 Seating

(Includes \$200,000 Cash Allowance)

TOTAL COST (LUMP SUM): _____ (in numbers)

_____ (in words)

the worded amount shall govern

For reference only provide a breakdown of the total prices listed in the Base Bid. This breakdown is solely a reference tool to be used by the County and shall not enter into the determination of the winning bidder for this project. The summation of the lines below should equal your total price listed above.

- General Contractor Material: \$ _____ (in numbers)
- General Contractor Labor: \$ _____ (in numbers)
- Mechanical Material: \$ _____ (in numbers)
- Mechanical Labor: \$ _____ (in numbers)
- Electrical Material: \$ _____ (in numbers)
- Electrical Labor: \$ _____ (in numbers)
- Project Management: \$ _____ (in numbers)
- Allowance: \$ _____ (in numbers)

The summation of these lines should equal the Total Cost above.

ALTERNATES:

Provide Schedule of Alternates for the following:

A. TC01 Demolition

- 1. **Deduct:** Do not remove the North End Zone seats Deduct \$ _____
- 2. **Base Bid:** On-site or Off-site sale of removed items or materials is not permitted. Scraping of iron stanchions is permitted.

Alternate: Add to retain salvage rights and permission to sell demolished material.
Add \$ _____

- 3. **Add:** Remove & Recycle seats; no salvage rights-seats must be destroyed
Add \$ _____

B. TC02 Seating Replacement

- 1. Provide the latest date possible for the Bengals to decide when to proceed with the North Endzone seats and still meet the bid schedule Date: _____
- 2. **Deduct:** Do not install the North End Zone seats Deduct \$ _____
- 3. **Add:** 903 cupholders at Handicap seating Add \$ _____

4. Sections 222, 224, 226, 228, AND 230 are part of this Alternate. Provide Alternate pricing for three options of a two-color seating pattern installed throughout in patterns and locations to be determined by the owner in the following percentages (Colors will be selected from manufacturers standard colors)

- a. 50% Base & 50% alternate color Add \$ _____
- b. 60% base & 40% alternate color Add \$ _____
- c. 70% base & 30% alternate color Add \$ _____

G. Unit Prices

- 1. TC02 Seating Replacement Provide one new padded seat \$/each _____
- 2. TC02 Seating Replacement Provide one new non-padded seat \$/each _____

H. SUBSTITUTIONS – No substitutions

Bidder's Name: _____

All Prime Contractors hereby acknowledge and accept all responsibilities assigned to them by the General Conditions, Minority, Women, and Small Business Program, and Division One of the Specifications. All fees for supervision and coordination are included in the bids.

Bids submitted by virtue of this Proposal hereby are acknowledged by the Owner to be made under the conditions that the Bidder will not be prevented, on account of strikes or other disruptions affecting source of supply, from obtaining materials necessary to carry out his contract to complete the construction covered thereby.

It is understood and agreed by the undersigned that the Owner reserves the right to reject any and all bids.

It is agreed that this Proposal shall be irrevocable for a period of Sixty (60) days after receipt of same by the Owner at the Day and Place set forth in the "Legal Advertisement".

We have read and agree to the terms listed above.
(check here)

Firm Name: _____

Corporation Partnership Sole Proprietorship *(check one)*

Authorized Offerror *(print name)*: _____

Authorized Signature *(sign name)*: _____

Title: _____

Official Address: _____

E-mail Address: _____

Telephone Number

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
- B. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
- C. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.
- D. Work not specifically identified or reasonably inferable as being part of an Alternate shall be considered as being in the base scope of the project.
- E. Unless otherwise indicated, each Alternate shall be considered to include all costs necessitated by its acceptance, including, but not limited to labor, material, delivery, storage, handling, supervision, tools, equipment, taxes, compliance with Division 1 General Requirements, and construction facilities and administration associated with the Alternate.
- F. The Subcontractor shall fully investigate each proposed Alternate and understand each Alternate's effect on the overall Work. Work which, by virtue of acceptance of the Alternate, will be necessary in order to provide a complete and proper installation shall be considered as being part of that Alternate, whether indicated or not. Likewise, work, which is made unnecessary by acceptance of the Alternate, shall be considered as being deducted from the base Work, even if not specifically indicated as such.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

- B. Notification: Immediately following award of the Trade Contractor's Subcontract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Subcontract.
- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - SCHEDULE OF ALTERNATES

2.1 Provide Schedule of Alternates for the following:

A. TC01 Demolition

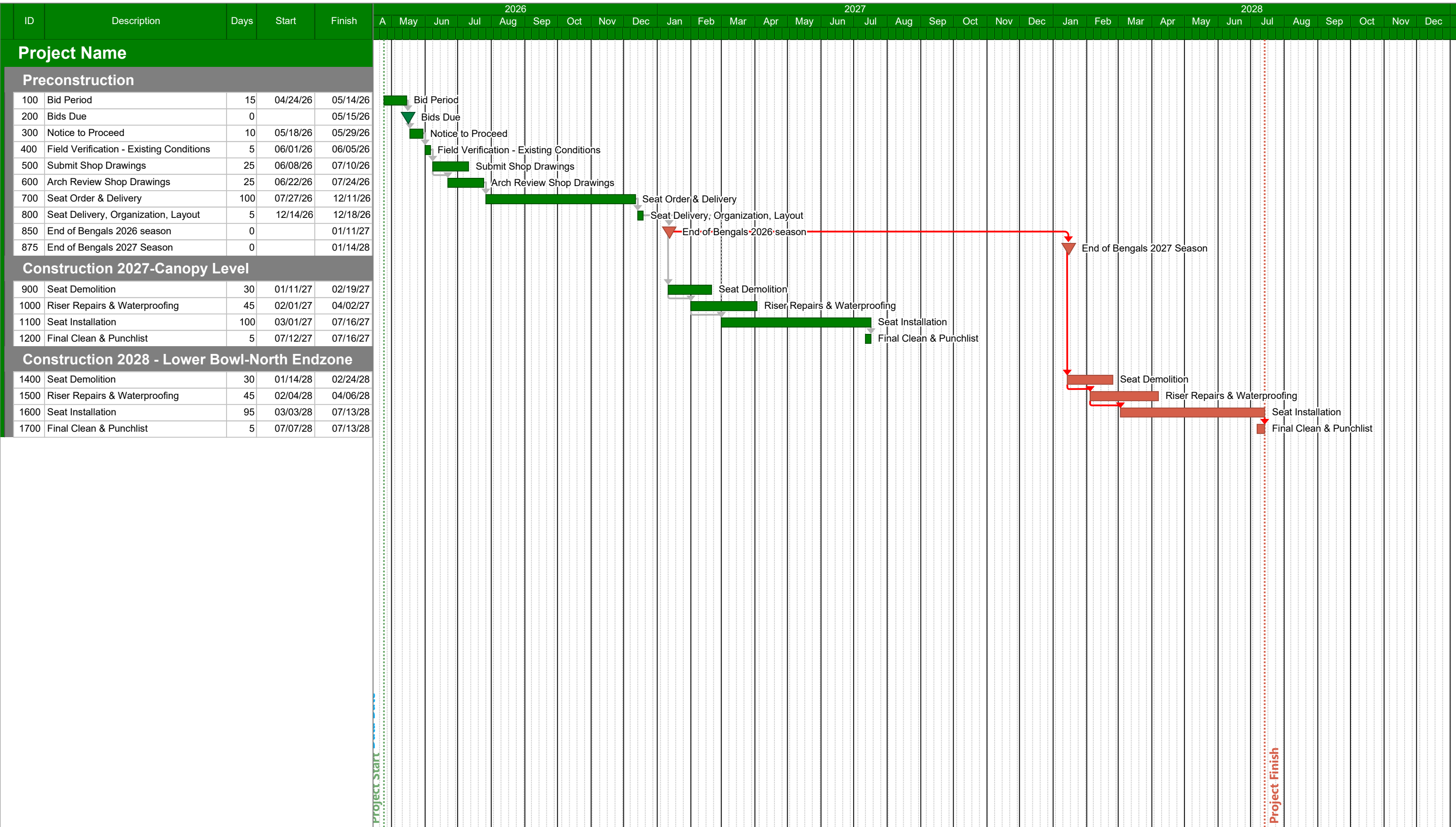
- 1. **Deduct:** Do not remove the North End Zone seats Deduct \$ _____
- 2. **Base Bid:** On-site or Off-site sale of removed items or materials is not permitted. Scraping of iron stanchions is permitted.
Alternate: Add to retain salvage rights and permission to sell demolished material.
Add \$ _____
- 3. **Add:** Remove & Recycle seats; no salvage rights-seats must be destroyed
Add \$ _____

B. TC02 Seating Replacement

- 1. Provide the latest date possible for the Bengals to decide when to proceed with the North Endzone seats and still meet the bid schedule **Date:** _____
- 2. **Deduct:** Do not install the North End Zone seats Deduct \$ _____
- 3. **Add:** 903 cupholders at Handicap seating Add \$ _____
- 4. Sections 222, 224, 226, 228, AND 230 are part of this Alternate. Provide Alternate pricing for three options of a two-color seating pattern installed throughout in patterns and locations to be determined by the owner in the following percentages (Colors will be selected from manufacturers standard colors)
 - a. 50% Base & 50% alternate color Add \$ _____
 - b. 60% base & 40% alternate color Add \$ _____
 - c. 70% base & 30% alternate color Add \$ _____

END OF SECTION 01 23 00





DIVISION 12 – FURNISHINGS
SECTION 12 63 23
STADIUM AND ARENA SEATING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Stadium seating.

B. Related Requirements:

1. Division 01 Sections for salvage rights Alternate.

1.2 DEFINITIONS

A. Shell: An exposed, supporting seat bottom or back made of materials other than steel.

1.3 ALLOWANCES

A. Who-Dey Deck seating is part of an allowance.

1.4 REFERENCES

A. A. National Fire Protection Association (NFPA):

1. NFPA 102 Standard for Assembly Seating, Tents, and Membrane Structures.

B. American Institute of Steel Construction (AISC):

1. AISC - Design of Hot Rolled Steel Structural Members.

C. American National Standards Institute (ANSI).

D. American Iron & Steel Institute (AISI):

1. AISI - Design Cold Formed Steel Structural Members.

E. American Society for Testing Materials (ASTM):

1. ASTM - Standard Specification for Properties of Materials.

F. Americans with Disability Act (ADA):

1. ADA - Standards for Accessible Design.

1.5 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1. Prior to commencing installation work in each phase of the project, the Manufacturer, Installer, Construction Manager, Owner and Owner's representative shall meet at the project site to review the installation requirements, schedule and logistics affecting the work.
2. In addition to the Contractor and the installer, arrange for attendance of the following:
 - a. Other installers affected by the work of this section.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

1. Manufacturer shall have no past history of litigation with Hamilton County and/or the Cincinnati Bengals.
2. Manufacturer shall fabricate all seating products in the United States.
3. Manufacturer shall demonstrate successful experience with the following:
 - a. Having successfully provided exterior stadium seats manufactured at the same location for the last five years and encompassing five separate projects.
 - b. Having successfully provided the same exterior stadium seat designated for this project in at least three past NFL or MLB stadia, in quantities of at least 3,000 seats per stadia.
 - 1) If Manufacturer cannot meet this NFL or MLB experience, provide the same exterior stadium seat designated for this project in at least five past outdoor sports or entertainment venues, in quantities of at least 2,000 seats per venue.
 - c. Having successfully utilized the same powder coating material and process for stanchion and/or extruded metals coating for the last five years over the span of at least three separate projects.
 - d. Having successfully utilized the same material supplier and process for plastic for the last five years over the span of at least three separate projects.

- e. Having successfully utilized an established quality control program for stanchion and/or extended metals coating, stanchion assembly and plastic manufacturing.
- B. Installer Qualifications:
1. Installer must be acceptable to or licensed by manufacturer of products being installed.
 2. Installer must have installed fixed stadium seats in two separate projects within the last five years.
 3. Installer must provide a superintendent and lead foreman who have substantially performed two separate projects within the last five years.
- C. Testing: Seat shall be tested and professionally certified through an independent testing laboratory to support and withstand an evenly distributed static load without failure or irregularities that would impair usefulness.
- D. Life Safety: The new seating layout and installation shall comply with the requirements of the Ohio Building Code and the Authorities Having Jurisdiction.
- E. Seat Widths: Seat widths shall be adjusted within a row so that the standards are in general alignment with one row to another and so that a one-to-one seat replacement is provided, whether aisles are of constant or converging widths. Minimum seat width is 18-inches.
- F. Aisle Widths: All vertical and horizontal aisle widths formed by new seat installations shall replicate the existing aisle widths.

1.7 JOB CONDITIONS

- A. Project runs concurrently with Owner's weather-dependent concrete repairs and waterproofing system installations being performed by others which must be completed prior to the start of new seating installations. Substantial coordination of activities, flexibility in scheduling, potentially compressed schedules and other potential logistical problems should be anticipated.
- B. Anticipated access to seating areas shall be via vomitories near the corner ends of each sideline at the Plaza and Canopy Levels.
1. At Contractor's option, temporary removal of surface-mounted handrails to move product out during demolition, and to move new product in during installation is permitted. Reinstall temporarily removed surface-mounted handrails prior to completion of the Work.
 2. At Contractor's option, temporary removal of cored-embedment handrails to move product out during demolition, and to move new product in during installation is permitted.
 - a. All temporarily removed cored-embedment handrails shall be reinstalled by the County's selected concrete repair and waterproofing Contractor with new surface-mounted retrofit embedments at no additional cost to the County.

- C. Seating areas include Wi-Fi enhancement equipment, DAS system components, and conduit must be identified in advance of the start of on-site efforts and protected from damage during the work. Wi-Fi equipment shall be returned to fully operational conditions at the completion of the work. The Owner will provide the contractor with all available information on the system.
- D. Seating schematic plans are indicated on the Drawings and are schematic in nature. Plans and manifests indicated on the Drawings are included as a courtesy and are for bidding purposes only.
- E. Contractor shall verify exact existing conditions for the development of shop drawings or catalog drawings, and prior to the start of fabrication of components for each phase.
- F. Out-of-plumb as-built concrete conditions affecting seat alignment may exist in the seating areas. Contractor is responsible for presurvey of conditions to account for potential efforts prior to submitting quotes for the work.

1.8 SCHEDULING

- A. Coordinate Work of this Section phased with the restoration and waterproofing of the precast concrete stadium risers within the seating bowl areas.
- B. Limited Access: Contractor will have limited access to the Project Site for one week leading up to scheduled events. Contractor shall adjust hours to ensure no time is lost.
 - 1. Training camp, OTA's and other team-related activities will require adjustments to hours of seat removals and installations. Contractor shall adjust hours to ensure no loss of time.

1.9 ACTION SUBMITTALS

- A. Product Data:
 - 1. Stadium seating.
- B. Product Data Submittals: For each product.
 - 1. Include construction details, material descriptions, dimensions of components, and finishes for stadium seating.
- C. Shop Drawings: Contractor to field-verify conditions and dimensions prior to assembling shop drawings and incorporate the information into the shop drawings.
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Seating Layout: Show seating layout, aisle locations and widths, aisle-end alignment or stepping, row-lettering and chair-numbering scheme, chair widths, and chair spacing in each row.
 - 3. Accessories: Show locations and features of accessories, including cup-holders and accessibility provisions.

4. Include location of existing Wi-Fi repeaters, DAS components, expansion joints, riser accelerators, and railings.
 5. Include locations of any alternate color seats.
 6. Include location of any padded seats.
 7. Include floor and riser mounting details.
 8. Include joints between precast treads and risers and attachments. Show variable riser height mounting bracket if required.
 9. Provide details for seat attachment at unique conditions such as where chairs span across an expansion joint.
 10. Provide drawings of end stanchion design with logo, seat and back design, seat assembly, and seat and row identification graphics.
- D. Seating Chart: Submit a seating chart that shows the total quantity of seats, seat widths, and mounting conditions in a per section / per row format. Each seat shall be represented. The Owner will furnish the current seat manifest with a numbering system for seat and row identification for use and comparison. All seat size changes shall be identified for easy review by the Owner with colored type.
- E. Samples for Initial Selection: For each type of exposed color, finish, texture, and pattern indicated.
1. Include Samples of accessories involving color and finish selection.
- F. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below:
1. Two Chair Units: Full-size unit of each type and combination of finishes, mounted to wood platform simulating actual conditions of one section of the stadium, which includes end stanchion and seat to seat connection.
 2. Molded Plastic: Manufacturer's standard-size unit, not less than **3 inches (75 mm)** square.
 3. Baked-on Coating Finishes: Manufacturer's standard-size unit, not less than **3 inches (75 mm)** square.
 4. Aluminum Finishes: Manufacturer's standard-size unit, not less than **3 inches (75 mm)** square.
 5. Upholstery Fabric: Full width by **36-inch- (914-mm-)** long section of fabric from dye lot to be used for the Work, with specified treatments applied. Show complete pattern repeat. Mark top and face of fabric.
 6. Row-Letter and Chair-Number Plates: Full-size units with letters and numbers marked.
 7. Exposed Fasteners: Full-size units of each type.
 8. Full-size samples of chair units, if approved, will be returned to Contractor for use in Project.
- 1.10 INFORMATION SUPPLIED WITH BID
- A. Certification letters for all requirements included paragraphs 1.6-A, 1.6-B and 1.6-C of this Specification Section.
 - B. Product literature for each type of seat proposed, including standard specifications for exterior treatments for cast iron, extruded steel and plastic, if appropriate.

- C. Anchor bolt information.
- D. Unit prices for each seat type and size, complete with all accessories.
- E. Future Orders: Provide the order lead time and unit price (with a yearly escalation factor) for a period of five (5) years, for any component purchased to replace the extra stock after Substantial Completion of the Project.
- F. Samples: Submit standard color samples for the Owner's review and acceptance for cast-iron and plastic components, in one fully assembled seat.

1.11 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings:
 - 1. Coordinate location of existing stadium components slated to remain, including:
 - a. Wi-fi repeaters.
 - b. Expansion joints.
 - c. Handrails.
 - d. Guardrails.
 - e. Pre-cast risers.
 - f. Aisles and aisle accelerator.
- B. Product Certificates: For each type of stadium seating. Submit technical data, performance test data certified by an independent testing laboratory and product information describing durability and maintenance requirements as applicable for the following items:
 - 1. Anchor bolts.
 - 2. All cast iron and metal seat components.
 - 3. Seat hinges and mechanisms.
 - 4. Seat assembly.
 - 5. Plastic materials and additives.
 - 6. Vinyl materials and additives.
 - 7. Coating materials, and application procedures.
 - 8. Cup holders.
 - 9. Transfer / Bypass plates at expansion joint conditions; provided by Manufacturer and not to be field-fabricated.
- C. Material Certificates: For each type of flame-retardant treatment of upholstery fabric.
- D. Field quality-control reports.
- E. Sample Warranty: For special warranty.

1.12 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For stadium seating to include in operation and maintenance manuals.

1. In addition to items specified in Section 017823 "Operation and Maintenance Data," include the following:
 - a. Maintenance of self-rising seat mechanisms, folding armrests, and other operating components.
 - b. Adjustment of self-rising seat mechanisms to align seats.
 - c. Methods for maintaining upholstery fabric.
 - d. Precautions for cleaning materials and methods that could be detrimental to seating finishes and performance.
 - e. replacement part numbers and procedures for their replacement.

1.13 MAINTENANCE MATERIAL SUBMITTALS

- A. Extra Stock: Provide the following seating components that are manufactured from the same lot as the installed components. Prorate quantities among sizes, types and colors furnished for each stadium seat. Attic stock materials shall be transmitted in stackable crates (labeled with items and quantities).
 1. Padded Seats: Five percent of each size and color.
 2. Padded Backs: Five percent of each size and color.
 3. Molded Seats: One percent of each size and color.
 4. Molded Backs: One percent of each size and color.
 5. Center Stanchions: One percent.
 6. End Stanchions: One percent.
 7. Hinge Components: One percent.
 8. Fasteners and mounting hardware: Five percent.
 9. 100 SY of color-matched marine grade replacement vinyl.
 10. Custom Cup Holders: One percent.
 11. Custom Logo Discs: One percent.
 12. Custom Chair Numbers: One percent.
 13. Turn over copies of all dies for custom seat backs, custom logo discs, and custom chair numbers.

1.14 MOCKUPS

- A. Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
 1. Build mockups of area of stadium seating in location designated by the Owner, including finishes and accessories:
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.15 WARRANTY

- A. General: The warranty shall be in addition to and not a limitation of other rights the Owner may have against the Contractor, Installer, or Manufacturer under the Contract Documents.
- B. Warranty: Provide warranty signed by an officer of the seat manufacturer that provides the replacement of seats found to be defective in appearance or unusable due to defects in performance. Warranty shall provide the material and installation.
 - 1. General Warranty Period: 18 months or two full football seasons after substantial completion of each phase of the project, whichever is greater.
 - 2. Extended Warranty Periods: Provide the following additional warranties after substantial completion of each phase of the project:
 - a. Stanchion structural performance, including cracking or alternative structural material failure, for 10 years.
 - b. Anchors, including corrosion, pullout, breakage and other performance problems, for 10 years.
 - c. Seat mechanism, hinges and if appropriate rotating arms and supports, including function, corrosion and breakage, for five years. As an optional Add Alternate, provide a quote to extend the warranty period to 10 years.
 - d. Plastic structure performance, including cracking, crushing, fastener pull out and other performance problems, for five years. As an optional Add Alternate, provide a quote to extend warranty period to 10 years.
 - e. Stanchion finish, including rust formation, coating delamination, and excessive fading or darkening, for five years. Excessive fading or darkening shall be determined as any color change exceeding a Delta E CIELAB of 3. As an optional Add Alternate, provide a quote to extend the warranty period to 10 years with the excessive fading or darkening threshold a Delta E CIELAB of 5.
 - f. Plastic finish, including excessive scratch development and fading or darkening, for five years. Excessive fading or darkening shall be determined as any color change exceeding a Delta E CIELAB of 3. As an optional Add Alternate, provide a quote to extend warranty coverage period to 10 years with the excessive fading or darkening threshold a Delta E CIELAB of 5.
 - g. Cushions performance and color change, including failure of seams, tears, fading or darkening similar to 1.6 e/f requirements and other problems, for one year.
 - h. Cupholder performance, including cracking and fading or darkening similar to 1 be/f requirements and other problems, for five years.
 - 3. Warranty Exceptions: Potential warranty exceptions subject to mutual interpretation of the Owner and the Manufacturer as follows:
 - a. Stanchion coating chipping due to equipment impacts.
 - b. Plastic seat and back breakage due to fan abuse.
 - c. Cushion and cupholder cuts and / or breakage due to fan abuse.

1.16 DELIVERY, STORAGE AND HANDLING

- A. Deliver seating components in manufacturer's unopened cartons clearly labeled with manufacturer's name and contents of cartons.
- B. Packaging and shipping methods shall prevent painted stanchions from coming in contact with each other. Maintain the protective covering on each painted stanchion component until after the stanchion is installed. Coating failures resulting from improper packaging, shipping, and handling during installation shall be repaired or replaced prior to installing plastic components.
- C. Protect components during transit, storage, and handling to prevent damage to surfaces of plastic components, padding materials, and other features.

1.17 TESTING AND INSPECTIONS

- A. Contractor shall provide for access and time frame for Owner testing and inspections of delivered seating components prior to installation. Coordinate Owner testing and inspections in advance of each anticipated delivery.
- B. Owner or Owner's representative will perform testing and inspections in concourse areas. Seating components will be released for movement into seating areas for installation after completion of testing and inspections.
- C. Stanchion Testing and Inspections:
 - 1. Visual examination for color, paint quality and uniformity, etc.
 - 2. Electronic paint thickness measurements with handheld testing equipment at three separate locations on stanchions using Elcometer, Fischer Dualscope or alternative equipment.
 - a. Acceptance Criteria: Average of three tests not less than paint thicknesses listed in paragraphs 2.4-D or 2.3-E of this Specification Section.
 - 3. Stanchions identified with potential thin paint system coverage will be tagged and stockpiled in the concourse for follow-up testing by Contractor. Contractor to report results to Owner and CM prior to releasing stanchions for installation.
- D. Plastic Testing and Inspections:
 - 1. Visual examination for color and uniformity.
 - 2. Handling for evaluation of firmness at bends and corners.
 - 3. Destructive testing using hacksaw or similar cutting device to visually review internal areas plastic and assess cross sectional thickness. Testing will be performed at a rate of 1/400 pieces shipped to site, or a minimum of one per shipment. Contractor to build cost for destructive testing at these rates into the Base Bid.

- a. Acceptance Criteria on cross sectional thickness per paragraph 2.4-B of this Specification Section.
4. If destructive testing reveals internal problems with plastic, at Owner's option, two additional pieces per shipment will be destructively tested. If problems persist, in the sole discretion of the Owner, the entire shipment will be tagged and stockpiled for follow-up testing by the Contractor. The Contractor shall report results to Owner prior to releasing plastic for installation.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain each type of seating required, including accessories and mounting components, from single source from single manufacturer.
 1. Accessories: Provide accessory items only as produced or recommended by manufacturer of primary products.
 2. Upholstery Fabric: Obtain fabric of a single dye lot for each color and pattern of fabric required.

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics of Stadium Seating: Flammability of materials shall satisfy all applicable Federal and State of Ohio tests, codes, standards, or requirements and other requirements of the Authorities Having Jurisdiction.

~~B. Fire Test Response Characteristics of Upholstered Chairs:~~

~~1. Fabric and Padding:~~

- ~~a. Fabric: Class 1 in accordance with DOC CS 191 or 16 CFR 1610, tested in accordance with California Technical Bulletin 117-2000.~~
- ~~b. Padding: Comply with California Technical Bulletin 117-2000.~~

~~2. Upholstery Assembly: Assembly to comply with component testing requirements of California Technical Bulletin 117-2013.~~

~~3. Full Scale Fire Test: Comply with California Technical Bulletin 133.~~

2.3 STADIUM SEATING

- A. Stadium Seating: Stadium seating in permanent arrangement as indicated on Drawings.
 1. Basis-of-Design Product: Subject to compliance with requirements, provide [Irwin Seating Company](#); 408.408.201.201 Stadium Chairs, or comparable product by one of the following:

- a. Alternate seat manufacturers will be reviewed and may be approved during the bidding process and added to the Bid Documents via addendum. Vendors may submit comparable alternate seat products for the above-listed Basis of Design item. To be considered, alternate seat manufacturers must provide an in-situ mock-up installation of no less than ten seats of the proposed alternate seats in a location in Paycor Stadium to be determined by the Owner.

2.4 MATERIALS

- A. Steel Shapes, Plates and Sheet Metal: Coil steel shall meet a minimum yield strength of 30 KSI, bar steel will have a minimum yield strength 36 KSI, tubular steel will be a minimum yield strength of 30 KSI and hot rolled steel will be a minimum yield strength of 30 KSI.
- B. Anchor Bolts: Manufacturer shall provide either new stainless steel transfer plates with welded anchor bolts or new stainless steel anchor bolts, meeting requirements of ASTM A304 for mounting riser and tread mounted seating. The Manufacturer shall provide all necessary materials for a complete seating installation.
 1. Steel Transfer Plates: ~~Hot-dipped galvanized. Stainless steel in accordance with ASTM A 304.~~
- C. Plastic Components: HDPE (plastic) seat and back components shall be double-wall construction, with maximized UV protection. Plastic wall thickness shall be nominally 125-mils, with no location less than 70-mils.
 1. Color: Up to ~~four~~ **two** colors may be selected from Manufacturer's standard range to allow owner's design team to execute a creative design using individual chairs as color pixels.
- D. Stanchions: Provide cast iron riser and floor mounted intermediate stanchions meeting requirements of ASTM A48 consistent with existing conditions.
 1. Stanchions must be designed for proper relationship between chairs and risers, regardless of varying heights of risers. Standard must be designed so rear seat edge will clear the riser in folding, and that the corner of the riser shall not interfere with the chair occupant.
 2. Stanchions shall have integrally cast long armrest. Armrest shall have a closed loop shape with no overhang that could catch pockets or other clothing.
 3. Prepare stanchion surfaces for coating installations in factory-controlled environment. Blast surfaces in accordance with at least SSPC-SP6 requirements.
 4. Wherever possible, stanchions shall be riser-mounted. Provide stainless steel transfer plates to accommodate concrete substrate anchorage conditions as follows:
 - a. To avoid existing cut-off anchors.
 - b. To span across expansion joint seals.
 - c. Elsewhere as necessary based on conditions.
 5. Aisle end stanchions shall have a cast-in location for the attachment of a decorative logo disc and row designation plate.

- E. Cast Aluminum: Shall be Aluminum Alloy AA – 380 to meet requirements for ASTM B 85.
- F. Cast Iron: Shall be grey cast iron conforming to ASTM A48/A48M-03 Class 25 minimum strength and shall be free of blow holes and hot checks, with parting lines ground smooth, and free of inordinately rough surfaces.
- ~~G. Powder Coating Paint Material: The cured film of the seating stanchions shall consist of a minimum three-step coating installation process including pre-primer, E-coat primer and UV-protective topecoat. Total film thickness of not less than 4-mils dry film thickness.~~
- H. Hinge Mechanism: Provide automatic lifting of the seat to a three-quarter-fold position, allowing for manual lifting of the seat to a full-fold position regardless of stadium chair design.
 - 1. Hinge mechanism shall perform to the requirements of ASTM F851, Test Method for Self-Rising Seat Mechanisms plus the performance requirements required by this Specification Section.
- I. Seat and Row Identification: Custom aluminum plates with custom graphics in colors, fonts, and designs as selected by the Owner **and subject to part tooling limitations**.
 - 1. Custom Seat Identification: Securely affix to recess in the face of seat back.
 - 2. Custom Row Identification: Securely affix to the end stanchion of each row.
- J. End Stanchion Logo Discs: Custom stainless-steel logo discs with custom graphics in colors, fonts, and designs as selected by the Owner. Final design to be determined ~~solely by the Owner~~ **in collaboration with the Manufacturer and Owner with final design approval by Owner contingent on meeting the Owner's brand standards**.
 - 1. Securely affix to recess in the face of end stanchion. In lieu of recess, provide an integrally cast raised bead around the disc that is tight to its perimeter edges.
- K. Cup Holders: Provide cup holders for all seats, standard size capable of holding 8-to-32-ounce cups.
 - 1. HDPE (plastic) manufactured with maximized UV protection and impact modifiers.
 - 2. Polypropylene manufactured by vendor's standard source.
 - 3. If pursued, advertising for cup holders shall be provided by the Owner, the cup holder manufacturer shall apply advertising on the cup holder in the factory prior to shipping the cup holders to the chair manufacturer.
 - 4. Mount cup holders to the backs of the stadium chairs or to wall or front rail for front row seats.
- L. Padded Seat Chairs: Provide exterior-grade skinned foam covered with marine-grade vinyl at Who Dey Deck seats.
 - 1. Color shall match the color selected by the Owner.
 - 2. Plastic seats to be specifically designed for use with padded covers.

2.5 FINISHES

- A. A. Plastic Component Color: Manufacturer's standard color, selected and confirmed by the Owner from the Manufacturer's full range.
 - 1. Trim access materials from plastic components after forming.
- B. Cast Iron, Ferrous Metal, and Non-Ferrous Metal Components: Manufacturer's standard factory-applied coating system including surface preparation and primer in the following finishes:
 - 1. Color of Stanchion: Manufacturer's standard color, selected and confirmed by the Owner.
 - 2. End Stanchion Logo Space: Provide an integrally cast recess in the face of end stanchion to receive custom logo discs. In lieu of recess, provide a raised bead to match the perimeter edges of the selected custom logo disc.
 - 3. All exposed metal parts shall be treated with a polyester powder coat complying with AAMA 2604-02 specifications. Prior to powder coating, metal and cast-iron parts shall be treated with a zinc phosphate cleaning process for superior finish adhesion. All cast iron and steel parts shall be coated with a corrosion inhibiting primer to a minimum thickness of one-mil. The final, decorative powder coat finish shall be applied by electrostatic means to a thickness of two to five-mils and shall pass accelerated weathering testing. The final powder coating shall be oven baked to cause proper flow of the powder to result in a smooth durable finish.
 - a. Manufacturer's standard color range shall be used.
- C. Assembly Hardware: All assembly hardware shall be stainless steel.
- D. Adhesive anchors for mounting to concrete shall be stainless steel for weather resistance.
 - 1. Final design and selection of the adhesive anchors is by the Contractor.
 - 2. Expansion anchors are not permitted.

2.6 FABRICATION

- A. Floor Attachments: Fabricate to conform to floor slope so that standards and pedestals are plumb and chairs are maintained at same angular relationship to vertical throughout Project.
 - 1. Floor attachment is to be used only where riser attachment is not possible.
- B. Upholstery: Fabricate fabric-covered cushions with molded padding beneath fabric and with fabric covering free of welts, creases, stretch lines, and wrinkles. For each upholstered component, install pile and pattern run in a consistent direction.
- C. Upholstered Chairs: Fabricate as follows:
 - 1. Two-Part Upholstered Back: Padded cushion glued to a curved steel or molded-plastic inner panel and covered with easily replaceable fabric; with curved steel or molded-plastic outer back shell that fully encloses upholstery edges.

2. One-Part Seats: Double-wall plastic shells fitted with a padded upholstered cushion and covered with easily replaceable fabric.
- D. Double-Wall, Molded-Plastic Chairs: Contoured seat and back fabricated of double-wall, blow-molded plastic; both sides of seat and back components are finished surfaces. Reinforce plastic with interior steel plates at attachment points.
1. Front face of the backs will be recessed for seat identification plates.
 2. Front face of backs will be provided with a custom debossed logo. Final logo image to be determined **by the Owner in collaboration with the Manufacturer and Owner with final design approval by Owner contingent on meeting the Owner's brand standards.**

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine floors, risers, and other adjacent work and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. Survey all areas of work and identify all features of existing seating components throughout the project area, for a one-to-one replacement of stadium seating. Contractor is responsible for identification of features, including but not limited to:
 1. Number and type of stanchions, either straight, angled, end, riser mount or floor mount, and locations.
 2. Cupholders and locations.
 3. Padded seats and locations.
 4. Existing seat widths. Existing seat widths vary from seat to seat.
 5. Identifying exact location of Wi-Fi enhancement equipment and DAS components. Drawings indicate general locations.

3.2 COORDINATION

- A. Coordinate demolition and installation with other trades, including:
 1. Concrete and waterproofing repairs of the seating areas after existing seat removals and before new seat installations.
 - a. Inventory existing shims' locations and sizes for existing seating and review exiting riser surfaces for locations where potential concrete removals to improve alignment conditions are advisable. Coordinate information with other trades.
 2. Details of anchor types and locations, cupholder locations, and any other issues affecting the seats.

3.3 LAYOUT AND NEW ANCHOR INSTALLATION

- A. Coordinate layout and new anchor installations with other trades. Do not interfere with schedule and weather-sensitive concrete repair, waterproofing efforts, and floor drain refurbishment. Perform work during off hours if necessary.
- B. Use approved shop drawings for new seating installations. Layout locations for all new anchors with chalk lines, grease pencil or other means and methods. Do not damage or otherwise harm newly installed coating or membrane system surfaces and new drain applications.
- C. Drill holes with impact hammers and clean holes via manufacturer-approved methods. Install new stainless steel threaded anchor rod with chemical adhesive. Set anchors vertical or horizontal and protruding from surfaces at 0" negative tolerance, 1/4" positive tolerance.

3.4 INSTALLATION

- A. Install seating in locations indicated and fasten to substrates in accordance with manufacturer's written installation instructions and Shop Drawings.
 - 1. Install seating with each chair capable of complying with performance requirements without failure or other conditions that might impair the chair's usefulness.
 - 2. Install standards and pedestals plumb.
 - 3. Install seating so moving components operate smoothly and quietly.
- B. Install seating with end standards aligned or stepped as indicated from first to last row and with backs and seats varied in width and spacing to optimize sightlines.
- C. Install riser-mounted standards and attachments to maintain uniform chair heights above floor.
- D. Shims: Provide straight and tapered non-corrosive shims to adjust and align seat stanchions, following manufacturer recommendations. Shims to be consistent and uniformed for all required locations of use.
- E. Fasteners: Seats and backs shall be connected to hinge mechanisms and cast-iron standards using screws of sufficient length for attachment but protruding from face of nut no more than 1/8-inch with a finished end.
- F. Provide cap nuts on all bolts used for mounting seatbacks to standards.
- G. Lubricate seat hinge mechanism for smooth and quiet operation.
- H. Transfer Plates: Anchor transfer plates to risers to avoid cut off abandoned anchors, span expansion joints and horizontal joints, and other site-specific issues.

3.5 FIELD QUALITY CONTROL

- A. During installation, Installer superintendent and lead foreman shall be present on site to coordinate and review all installations. Advise Owner and CM in advance of any extended time

frames where either superintendent or lead foreman cannot be on site for new seat component installations. Provide an approved, experienced replacement if requested by the Owner.

B. Final Testing and Inspections:

1. Perform the following tests and inspections with the assistance of a factory-authorized service representative:
 - a. Inspect components, assemblies, and equipment, including connections, to verify proper, complete, and sturdy installation in accordance with manufacturer's written instructions and product specifications.
 - b. Verify that self-rising seats return to uniform at-rest, raised position.
2. Stadium seating will be considered defective if it does not pass tests and inspections.
3. Prepare test and inspection reports.

C. Correct identified defects or irregularities established via Punch List.

3.6 PROTECTION, ADJUSTING AND CLEANING

- A. General: Institute protective procedures and install protective materials as required to ensure that work of this section will be without damage or deterioration at substantial completion.
- B. Adjust chair backs so that they are at required angles and aligned with each other in uniform rows.
- C. Adjust hardware and moving parts to function smoothly so they operate easily. Lubricate bearings and sliding parts as recommended in writing by Manufacturer.
- D. Adjust self-rising seat mechanisms so seats in each row are aligned when in upright position.
- E. Repair minor abrasions and imperfections in finishes with coating that matches factory-applied finish.
- F. Replace damaged and malfunctioning components that cannot be acceptably repaired.
- G. Replace upholstery fabric damaged during installation or work of other trades.
- H. Prior to final inspection, thoroughly clean stadium seating using Manufacturer's recommended procedure.

3.7 MAINTENANCE SERVICE

- A. Initial Maintenance Service: Beginning at Substantial Completion, maintenance service shall include eight events' full maintenance by skilled employees of seating Installer. Include preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper seat operation. Parts and supplies shall be manufacturer's authorized replacement parts and supplies.

1. Perform maintenance during normal working hours.
2. Include two trained installers for event-day support related to post installation issues.
3. Schedule of events to be provided by Owner.
4. Provide on-site technicians who will perform a complete inspection of all seats and issue a detailed audit report to the Owner after three events at the Owner's discretion.

END OF SECTION 126323