ADDENDUM #1 (01.13.2020)

ROOF REPLACEMENT
NORTH AMERICAN BUILDINGS
NORTH CAROLINA ZOO

The following minutes of the Pre-Bid Conference, including interpretations, clarifications, and/or changes, are to amend or supersede the original contract documents (plans and specifications) for items noted, and will be included and made a part of the contract.

PRE-BID CONFERENCE Wednesday January 9, 2020

A Pre-Bid Conference was held at 2:00 pm on January 9, 2020 for the referenced project. The meeting was conducted at the project site, W. Stedman Education Center, in Asheboro, North Carolina. Persons in attendance include the following:

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General Bidding Information

1. Bids will be received until 2:00 pm EDT on Thursday, January 30, 2020. Bids will be received by Gerry Parker, PE, Director of Planning and Construction, Asheboro, NC. Bids may be submitted electronically by email to Gerry Parker: Email – Gerry.parker@nczoo.org It is the responsibility of the bidder to confirm receipt. Bids that are submitted electronically shall be sent and received not less than 60-minutes prior to the bid deadline.

2. Bids may also be submitted by mail or by courier up to the bid deadline to the following address:
   Gerry Parker
   NC North Carolina Zoological Park
   W. Stedman Education Center
   4401 Zoo Parkway
   Asheboro, NC 27205

3. Bid Submissions must include ALL of the following:
   • Complete and Signed Proposal Form
   • Completed MWBE Participation Form (10% MWBE Goal)
   • Bid Security: (5% of bid amount) in the form of a Bond/Cashier’s Check

4. A Payment Performance Bond will be required for the full amount of the Contract.

5. Substitution Requests must be received prior to 5:00pm on January 20, 2020. All substitution requests must follow the process outlined in the Instructions to Bidders, paragraph 12 SUBSTITUTIONS in order to be considered.

6. The following products have been submitted and approved for substitution:
   Specification Section 07410 – Prefinished Metal Standing Seam Roofing
     • System 2500 Panel by Metal Roofing Systems, Inc.
     • Panel Model MS-216 by Triad Corrugated Metal, Inc., Asheboro, NC
   Specification Section 07420 – Preformed Metal Wall Panels
     • Flush Seam Panel by Metal Roofing Systems, Inc.

7. EC|Terracon will receive Questions and RFIs until 5:00pm on January 20, 2020. Responses to questions and RFI’s will be addressed in an Addendum response and issued to all bidders. Questions must be submitted in email form to Brad Lanier (EC | Terracon): blanier@engconcepts.com.

8. Bidders must acknowledge receipt of all addenda at the appropriate location on the bid form.

9. Site visits during the bid period shall be coordinated with either of the following persons:
   • Tom Such; tom.such@nczoo.org; 336-879-7514
   • Gerry Parker; Gerry.parker@nczoo.org; 336-879-7515

Work Scope

10. BASE BID work scope includes the following:
    North American Entrance (Building 1):
        • Roofing removal/replacement
- Removal/replacement of damaged insulated and non-insulated roof deck panels (include the specified bid quantities in the Base Bid)
- Removal/replacement of three (3) Roof Skylights
- Removal/replacement of three (3) Clerestory Windows
- Removal of existing plywood siding/replacement with metal panel rain-screen wall
- Removal/paint finish of existing signage/re-attachment of existing signage

**Wild Burger (Building 4):**
- Roofing removal/replacement
- Removal/re-attachment of existing signage

**Prairie Popcorn (Building 5):**
- Roofing removal/replacement
- Removal/re-attachment of existing signage

**Prairie Restroom (Building 6):**
- Roofing removal/replacement

**Junction Springs Café (Building 7):**
- Roofing removal/replacement
- Removal/re-attachment of existing signage

**Kids Junction Gifts (Building 8):**
- Roofing removal/replacement
- Removal/re-attachment of existing signage

**Pizza Café (Crossings Café) (Building 9):**
- Roofing removal/replacement
- Removal/re-attachment of existing signage

**SPECIFIED REPAIRS (Sheet R9) (Quantities to be included in Base Bid):**

**Repair Type 1: Cementitious Wood-Fiber Roof Panel Replacement**
- 20 Non-Insulated Panels at North American Entrance Building
- 20 Insulated Panels at Various Buildings

**Repair Type 2: Plumbing Vent Relocation**
- 16 Plumbing vents at various buildings

**Repair Type 3: T1-11 Panel Replacement / Blocking Replacement**
- 600 square feet (SF) of T1-11 panels; finished to match existing
- 240 linear feet (LF) of 2x6 blocking; finished to match existing
- 400 LF of 2x10 blocking; finished to match existing

**Repair Type 4: Kitchen Exhaust Fan Hinge Relocation**
- 5 hinges
UNIT PRICES shall include the following:

No. 1: Cementitious Roof Panel Replacement (Non-Insulated)
• Per 4’ x 8’ panel

No. 2: Cementitious Roof Panel Replacement (Insulated)
• Per 4’ x 8’ panel

No. 3: Relocate Existing Plumbing Vent to Between Standing Seam Ribs (3” diameter pipe)
• Per vent relocation

No. 4: Remove and Replace Existing Damaged T1-11 Soffit & Finish to Match Existing
• Per square foot of panel

No. 5: Replace Damaged Wood Blocking at Truss Ends
• 2x10 SYP #2 (per linear foot)
• 2x6 SYP #2 (per linear foot)

No. 6: Relocate Existing Service Hinge at Kitchen Exhaust Fans
• Per hinge

11. ADD ALTERNATES work scope includes the following:

Alternate G-1: Cart Storage (Building 2):
• Roofing removal/replacement

Alternate G-2: Tram Office (Building 3):
• Roofing removal/replacement

Alternate G-3: Kitchen Exhaust Service Platforms & Stairs, and all associated structural work:
• North American Entrance (Building 1)
• Wild Burger (Building 4)
• Junctions Springs Café (Building 7)
• Pizza Café (Crossings Café) (Building 9)

Alternate G-4: Kitchen Exhaust Fan Curb Replacement, and all associated structural work:
• North American Entrance (Building 1)
• Wild Burger (Building 4)
• Junctions Springs Café (Building 7)
• Pizza Café (Crossings Café) (Building 9)

Alternate G-5: Exhaust Fan Hinge Relocation:
• North American Entrance (Building 1)
• Wild Burger (Building 4)
• Junctions Springs Café (Building 7)
• Pizza Café (Crossings Café) (Building 9)
Project Schedule

12. **Project Duration:** Work on all buildings must be completed and pass inspection by no later than September 1, 2020.

13. **Liquidated Damages** will be assessed to the Contractor at a rate of $300.00 per day for any work not completed and having received a final inspection prior to September 1, 2020.

14. Prior to the start of construction, the Contractor will be required to develop a construction schedule for review by the Owner and the Engineer. The Contractor is expected to report on the schedule at all monthly progress meetings. Monthly Progress Meetings will be required. A complete Construction schedule must be submitted with the first pay application.

15. The NC Zoo discourages work on weekends and holidays due to the heavy usage of the facility on weekends and holidays. The Zoo may allow work during these times if the construction gets behind schedule due to weather.

16. **Work Times:** Work can carry on typically each weekday between 7am – 4pm. The Zoo may entertain extended hours as the sunlight hours increase towards the summer season. The weeks prior to and after the Easter weekend (April 11-12, 2020) may be too busy for work to continue. Spring season and Mother’s Day (May 10, 2020) are very busy and may interrupt work progress should large crowds appear.

17. The Zoo requests that work on this project proceed in the following priority of buildings. If the Contractor has adequate staff, he may work on multiple buildings concurrently, but generally adhering to the priority below:

   - 1st North American Entrance (Building 1)
   - 2nd Prairie Popcorn and Prairie Restrooms (Buildings 5 & 6)
   - 3rd Kids Junction Gifts and Junction Springs Café (Buildings 8 & 7)
   - 4th Crossings (Pizza) Café (Building 9)

Work on the remainder of the buildings may proceed in any selected priority.

General

18. **Staging/Storage:** Zoo to coordinate staging/storage areas. Where possible, the back of buildings is preferred where the space is available. All staging/storage areas are to be fully coordinated with the Zoo. The Contractor is responsible for securing the staging/storage areas.

19. **Toilets:** Public restrooms are available throughout the park. Chemical Toilets can be placed on site. All chemical toilets should be secured when not on site.

20. **Site Access:** In accordance with State policy, and shall include as a minimum the following:

   - No Alcoholic beverages
   - No Firearms
   - No drugs other than those prescribed by a physician
   - Must exhibit proper behavior and decorum
   - Indecent language, acts or dress will not be tolerated
   - Anyone in violation will be removed from the property

21. **Parking:** A parking permit has been set up that will hang from rear-view mirrors of unmarked cars. Vehicles with a company logo will not need a permit. The speed limit within the park is 15mph, and
is strictly enforced by the Randolph County Sheriff Department. Randolph County deputies are stationed and regularly patrol the entire park.

22. **Requests for Payment**: Follow submittal process in guidelines published by the office of State Construction. All pay applications must include a complete schedule of values and all MWBE participation forms. Sales Tax information is to be provided on the appropriate forms. Final application for payments shall include Consent of Surety, Warranties, and Release of Liens.

23. **Changed Conditions**: Extra work will require an approved and signed Change Order prior to execution of the work. Do not undertake additional work without an approved Change Order.

24. **Final Inspection**: As work is completed on each building, the Contractor is requested to provide notice for a final inspection. Please provide a two week notice to the appropriate parties to give ample time for scheduling the Final Inspection.

25. The Contractor is required to keep record drawings on site. If any changes your record drawings should always be up to date. These drawings will be given to the designer at the completion of work for preparation and submittal of record drawings.

26. **Safety**: All Safety expectations are covered in article 11 of the General Conditions. These safety regulations are mandatory to protect the property and the public.

**Comments from Gerry Parker, Director of the Planning and Construction at the NC Zoo:**

1. We will accept the metal fascia band for recycling. Contractor to remove.

2. We will work in every way to get trucks and waste bins close to the work area.

3. Tree branches on the roofs will be removed by the NC Zoo staff.

4. Park Rangers will assist with barriers to keep guests safe. Contractor is responsible for all safety on the project. Certain areas may require a temporary closure to guests if dust becomes an issue.

**Questions from Pre-Bid Meeting**

1. **Are the plumbing vent pipes PVC or cast iron?**
   
   *Plumbing Vent Pipes are Cast iron*

2. **Will the T1-11 replacement panels need to be painted to match existing panels?**

   *Yes*

3. **Will Pine or Cedar boards be used at the fascia trim?**

   *Pine*

4. **Will the access steps at the metal platforms be on all buildings?**

   *No: only where kitchen exhaust hoods are located.*

5. **Is there a general staging area designated?**

   *Parking Lot A*

6. **Is an electrician needed onsite to disconnect/reconnect the lights & signage?**

   *None of the existing signage is lighted. Contractor to remove and re-install existing signage as a part of the contract.*
7. **Is there a start date for the project?**
   *A specific date has not been determined. Gerry Parker is projecting that construction should begin by the end of February.*

8. **Is this a public bid opening?**
   *Yes, all bids will be opened and read aloud in the Board room at the W. Stedman Education Center.*

Respectfully submitted,

ENGINEERED CONCEPTS | Terracon Consultants, Inc.

[Signature]

Robert G. Kennerly, Jr., P.E.

Attachment: Pre-Bid Meeting Sign-in Sheet
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