

Addendum

No. ONE Date: 11.26.18

Project:

**Re-Roofing Various Buildings
at
Westdale Apartments for the
Luverne Housing Authority
Luverne, Alabama**

McKee Project No. 18-196

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.

A1.2 SPECIFICATION MODIFICATIONS:

- A.** Refer to the attached **Bid For Lump Sum Contracts dated 11.26.2018**, herein.
- B.** Refer to the attached **Section 07310, Shingles (Architectural) dated 11.26.2018**, herein.
- C. Clarifications as follows:**

Contractor is to re-use existing drip edge. Notify Architect if any existing drip edge needs replacing due to deterioration.

A1.3 DRAWING MODIFICATIONS: None

END OF ADDENDUM ONE

U.S. Department of Housing and Urban Development

BID FOR LUMP SUM CONTRACTS (11.26.2018)

Place _____

Date _____

Project No. _____

Proposal of _____ (hereinafter called "Bidder") (a _____
(State)
corporation/ a partnership/ an individual doing business as _____)
(STRIKE OUT INAPPLICABLE TERMS)

To **The Luverne Housing Authority, Luverne, Alabama**, (hereinafter called "Owner")

Gentleman:

The Bidder, in compliance with your invitation for bids for the construction of:

**Re-Roofing Various Buildings
at
Westdale Apartments
for the
Luverne Housing Authority
Luverne, Alabama**

PROJECT NO. 18-196

Having examined the plans and specifications with related documents and the site of the proposed work and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies, and to construct the project in accordance with the Contract Documents, within the time set fourth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

Bidder hereby agrees to commence work under this contract on or before a date to be specified in written "Notice to Proceed" of the Owner and to fully complete the project within **120** consecutive calendar days per phase thereafter per project as stipulated in the specifications. Bidder further agrees to pay as liquidated damages, the sum of **\$ 300.00** for each consecutive calendar day thereafter as hereinafter provided in Paragraph 33 of the General Conditions.

Bidder acknowledges receipt of the following addendum:

Addendum # _____ dated _____

Addendum # _____ dated _____

Addendum # _____ dated _____

Addendum # _____ dated _____

UNIT PRICE #1: For the removal of **100** SF of deteriorated and/or damaged plywood decking and replaced with new material of same size and material:

100 SF @ _____ per SF equals total dollars of \$ _____ **(Included in Base Bid)**

UNIT PRICE #2: For the removal of **100** SF of deteriorated and/or damaged 1x decking and replaced with new material of same size and material:

100 SF @ _____ per SF equals total dollars of \$ _____ **(Included in Base Bid)**

The above Unit Price establish Unit Prices that the Owner can delete/add quantities from the Contracts required.

BASE BID PROPOSAL: Bidder agrees to perform all of the work described in the specifications and shown on the plans **including** the Unit Prices listed above for the sum of:

_____ Dollars \$ _____

(Amount shall be shown in both words and figures. In case of discrepancy the amount shown in words will govern).

ALTERNATES: None

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The bidder agrees that this bid shall be good and may not be withdrawn for a period of 60 calendar days after the scheduled closing time for receiving bids.

Upon receipt of written notice of the acceptance of this bid, Bidder will execute the formal contract attached within 10 days and deliver a Surety Bond or Bonds as required by Paragraph 10 of instructions to Bidders.

The bid security attached in the sum of _____
(\$ _____) is to become the property of the Owner in the event the contract and bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Respectfully submitted:

Contractor: _____

Address: _____

By: _____

Title: _____

State Of Alabama License # _____

Bid Limit: _____

SECTION 07310 – SHINGLES (ARCHITECTURAL) (Revised 11.26.18)

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.

DESCRIPTION OF WORK:

Extent of shingles is shown on drawings and is hereby defined to include units employed as weather protection for walls as well as for roofs.

Types of shingle applications specified in this section include the following:

1. Removal of existing asphalt shingles and underlayment to decking.
2. New Fiberglass shingle roofing, underlayments and roof vents.

QUALITY ASSURANCE:

UL Listing: Provide labeled materials which have been tested and listed by UL for Class and Rating indicated for each shingle type required.

SUBMITTALS:

Product Data: Submit technical product data, installation instructions and recommendations from shingle manufacturer, including data that materials comply with requirements. Shingles shall be installed in accordance with manufacturer's instructions.

Samples: Submit full range of samples for color and texture selection. After selection, submit 2 full-size shingles for verification of each color/style/texture selected.

Product Handling: Deliver materials in manufacturer's unopened, labeled containers. Store materials to avoid water damage, and store rolled goods on end.

JOB CONDITIONS:

Substrate: Proceed with shingle work only after substrate construction and penetrating work have completed.

Weather Conditions: Proceed with shingle work only when weather conditions are in compliance with manufacturer's recommendations and when substrate is completely dry.

SPECIFIED PRODUCT WARRANTY:

The roofing manufacture shall be required to provide documentation certifying that the roof design provided complies with the performance requirements as set forth in IBC Chapter 15, Section 1504. The documentation shall be attached to the roof warranty at the close out of the project.

Provide shingle manufacturer's warranty on installed work, agreeing to pay for repair or replacement of defective shingles as necessary to eliminate leaks. Period of warranty is **30 years from date of substantial completion of Project.**

Standard manufacturer's roofing guarantees which contain language regarding the governing of the guarantee by any state other than the State of Alabama, must be amended to exclude such language and substituting the requirement that the Laws of the State of Alabama shall govern all such guarantees.

All roof warranty's shall be provided to the Owner, by the Contractor at the Final Inspection to obtain the Substantial Completion.

SPECIAL PROJECT WARRANTY:

Contractor shall furnish a Contractors 5 year Guarantee- see attachment at the end of this section.

Warranty shall include the following: The General Contractor and Roofing Installer shall be responsible for all water damaged materials due to roof leaks for a period of 5 years.

PART 2 – PRODUCTS

SHINGLES

Architectural Shingles, UL Class "A": Mineral-surfaced, self-sealing, fiberglass based asphalt strip shingles complying with ASTM D 3018, Type I, bearing UL Class "A" external fire exposure label and UL "Wind Resistant" label. Color to be selected by the Architect from manufactures standards.

Equal to Owens-Corning Duration Series, 130 mph wind warranty.

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

GAF
Celotex.
Elk

Impact Resistance: Roof coverings installed on low-slope roofs (roof slope <2:12) shall resist impact damage based on the results of tests conducted in accordance with ASTM D 3746, ASTM D 4272, CGSB 37-GP-52M or the “Resistance to Foot Traffic Test “ FM 4470.

Underlayment at Valleys, Ridges, Hips and Eaves: Supply 40 mil self adhering ice and water shield membrane equal to Carlisle: “Dri-Start A”, Palisade SA-HT or Tamko “Moisture Guard Plus”. Install minimum **18”** in each direction from middle of all valleys. Install upward from the edge of all eaves a minimum total distance of **material roll width**. Install on all ridges and hips a minimum distance of **18”** on each side of all ridge and hip lines. **18”** wide strip each side of expansion joint flange.

<u>TECHNICAL DATA</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE</u>
Color		KOOL BLUE™
Top Surface		STRONGHOLD™ Anti-Skid Technology: Polymer
Bottom Release Liner		Silicone Split Release Poly
Permeability	ASTM E96	00 0.01 perms
Nominal Thickness	ASTM D1777	40 mil (1 mm)
Nail Sealability	ASTM D1970	Pass
Lap Sealability	ASTM D1970	Pass
Tensile Strength	ASTM D226	121 lbf/in. (21kN/m)
Tear Strength	ASTM D4523	160 lbf/in. (28 kN/m)
Elongation	ASTM D2523-00	16%
Low Temperature Flexibility	ASTM D1970	-22 F (-30 C) - Pass
Adhesion to Plywood	ASTM D1876	55 lbf/in.:75 F (9.6 kN/m: 24 C)
Adhesion to Plywood	ASTM D1876	23 lbf/in.: 40 F (4 kN/m: 4.4 C)
UV Exposure	ASTM G90	6 months
Temperature Range	ASTM D1970	LT: 15 F (-9 C) to HT: 250 F (121 C)
Dimensions		36 in. x 66.7 ft. (91.4 cm x 20.3 m)

Felt Underlayment: One layer of a Class A synthetic flame retardant underlayment over entire decking area with following requirements:

1. Products shall be equal to Palisade SDP Advanced Polymer Products, or equal products as manufactured by GAF, Tamko, ELK or CertainTeed.
 - a. Tensile Strength – ASTM D226 – 150lbs
 - b. Tear Strength – ASTM D4533 – 50lbs
 - c. Puncture Strength – ASTM D751 – 300 psi
 - d. UV Rating – ASTM G90 – 90%
 - e. Permeability – ASTM 96-A – 0.10 Perms
 - f. Install with roofing nails – no staples will be allowed.

Fixed Ridge Vents:

1. Ridge vent shall be equal to V-600 by Cor-A-Vent, 11” wide, 20 square inches NFVA per lin. ft., or approved equal.

Equal manufactures are:
CertainTeed 12” Filtered Ridge Vent
GAF Cobra Ridge Vent 3

All valleys shall be “California Cut”.

PART 3 – EXECUTION

Installer of shingles must examine substrate and conditions under which shingling work is to be performed and must notify Contractor in writing of unsatisfactory conditions. Do not proceed with shingling work until unsatisfactory conditions have been corrected in manner acceptable to Installer.

PRE-ROOFING CONFERENCE:

A pre-roofing conference is required before any roofing materials are installed. This conference shall be conducted by a representative of the Architect and attended by representatives of the Owner, Building Commission Inspector, General Contractor, Roofing Contractor, Sheet Metal Contractor, Roof Deck Manufacturer (if applicable), and the Roofing Materials Manufacturer (if warranty is required of this manufacturer). If equipment of substantial size is to be placed on the roof, the Mechanical Contractor must also attend this meeting. Provide at least 72 hours advance notice to participants prior to convening pre-roofing conference.

The pre-roofing conference is intended to clarify demolition and application requirements for work to be completed before roofing operations can begin. This would include a detailed review of the specifications, roof plans, roof deck information, flashing details, and approved shop drawings, submittal data, and samples. If conflict exists between the specifications and the Manufacturer’s requirements, this shall be resolved. If this pre-roofing conference cannot be satisfactorily concluded without further inspection and investigation by any of the parties present, it shall be reconvened at the earliest possible time to avoid delay of the work. In no case should the work proceed without inspection of all roof deck areas and substantial agreement on all points.

The following are to be accomplished during the conference:

1. To review all Factory Mutual and Underwriters Laboratories requirements listed in the specifications and resolve any questions or conflicts that may arise.
2. To establish trade-related job schedules, including the installation of roof

- mounted mechanical equipment.
3. To establish roofing schedule and work methods that will prevent roof damage.
 4. Require that all roof penetrations and walls be in place prior to installing the roof.
 5. To establish those areas on the job site that will be designated as work and storage areas for roofing operations.
 6. To establish weather and working temperature conditions to which all parties must agree.
 7. To establish acceptable methods of protecting the finished roof if any trades must travel across or work on or above any areas of the finished roof.

The Architect shall prepare a written report indicating actions taken and decisions made at this pre-roofing conference. This report shall be made a part of the project record and copies furnished the General Contractor, the Owner, the Building Commission, and the Building Commission Inspector."

PREPARATION OF SUBSTRATE:

Clean substrate of any projections and substances detrimental to shingling work.

Coordinate installation of shingles with flashing and other adjoining work to ensure proper sequencing.

INSTALLATION:

General: Comply with instructions and recommendations of shingle manufacturer in relationship to low slop roof application, except to extent more stringent requirements are indicated.

SHINGLES:

Underlayment: Apply one layer of synthetic underlayment over entire deck surface. Install per manufacturer's instructions.

Ridge Vents: Install ridge vents in accordance with manufacturers installation instructions and local building code requirements.

Shingles: Install shingles (including started shingles as well as hip and ridge shingles) in accordance with manufacturers installation instructions and in accordance with local building code requirements. Fasten asphalt shingles to roof sheathing with nails. The application of the shingles will be by hand and the application pattern will be diagonally across the slope of the roof. "Racking" of the shingles will not be permitted. Pneumatic nail guns will not be permitted for installation of shingles. Staples will not be permitted.

END OF SECTION 07310