

**SOLICITATION FOR  
Roof Replacement - Old South State Bank Building**

**UNION COUNTY**

**BID NUMBER**

**SSB-08-20-101**

**July 30, 2020**



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COUNTY OF UNION

INVITATION FOR BIDS

**Removal and Replacement of Roof - Old South State Bank Building**

Union County, SC is now accepting bids for the removal and replacement of the roof on the county building formally occupied by South State Bank located at 203 West Main St. in Union, SC. This project is subject to the conditions, provisions, specifications and drawings included in the Bid Document. Sealed bids will be received at this office until the stated date and time and then publicly opened. Any bid received after the scheduled deadline, will be immediately disqualified. The county assumes no responsibility for delivery of bids which are mailed.

BID NUMBER:       SSB-08-20-101

DATE: July 30, 2020

OPENING DATE AND TIME:       **Wednesday, August 26, 2020 @ 3:00 PM**

OPENING LOCATION:       County Engineering Office  
1246 S. Duncan By-Pass, Suite B  
Union, SC 29379

MAILING ADDRESS:       County Engineering Office  
1246 S. Duncan By-Pass, Suite B  
Union, SC 29379

**IT IS REQUIRED THAT THE BID NUMBER ABOVE MUST BE SHOWN ON THE OUTSIDE OF ENVELOPE. ANY ENVELOPE THAT DOES NOT SHOW BID NUMBER WILL BE RETURNED TO THE VENDOR**

A mandatory Pre-Bid Meeting will be held at 10:00 AM, Wednesday, August 12, 2020 at the building located at 203 West Main St., Union, SC

A copy of the Bid Document will be available in the Procurement Section of the Union County website <http://countyofunion.org/>.

DIRECT ALL INQUIRES TO

Jerry A. Brannon, Sr. P.E.  
County Engineer  
1246 Duncan Bypass, Union, SC 29379  
[jbrannon@countyofunion.com](mailto:jbrannon@countyofunion.com)  
864-426-4022

## ***BOND REQUIREMENTS***

1. **BID BOND:** Each offeror shall submit with his Bid a Bid Bond with a good and sufficient surety or sureties company licensed in South Carolina, in the amount of five percent (5%) of the total Bid amount. The Bid bond penalty may be expressed in terms of a percentage of the Bid price or may be expressed in dollars and cents.

**CERTIFIED CHECKS:** If a certified check is submitted in lieu of a Bid bond, it will be made payable to the Union County Treasurer's Office, in the amount of 5% of the total Bid amount.

Bid Bonds/Certified Checks will be returned to the unsuccessful offerors after award and will be returned to the successful offeror after acceptance of the final contract by the offeror.

2. **PERFORMANCE AND PAYMENT SURETY:** The successful contractor shall pay the cost and furnish within ten days after written notice of acceptance of Bid, an irrevocable Surety in the form of a Performance and Payment Bond, Certificate of Deposit, Cashier's Check or irrevocable letter of credit. The Surety shall be issued in the amount of 100% of the total contract covering the entire term of the contract as awarded.

**OPTION 1: PERFORMANCE BOND:** Bond must be issued by a Surety Company licensed to do business in South Carolina, with an "A" minimum rating of performance as stated in the most current publication of "Best's Key Rating Guide, Property Liability" which shall show a financial strength rating of at least five (5) times the contract price. Each bond shall be accompanied by a Power of Attorney, authorizing the attorney-in-fact to bind the surety and certified to include the date of the bond.

**OPTION 2: A CERTIFIED CHECK:** Equal to 100% of the contract amount to be retained by Union County until satisfactory completion of the contract.

**OPTION 3: IRREVOCABLE LETTER OF CREDIT:** Shall be issued by a Financial Institution insured by the FDIC or FSLIC in the amount of 100% of contract amount.

**FAILURE TO SUBMIT A PROPER AND CORRECT BID GUARANTEE WILL RESULT IN THE REJECTION OF YOUR BID.**

## ***INSTRUCTIONS TO BIDDERS***

1. Only one copy of bid is required, unless otherwise stated.
2. Bids, amendments thereto or withdrawal request must be received by the time advertised of bid openings to be timely filed. It is the vendor's sole responsibility to insure that these documents are received by the Union County Supervisor at the time indicated in the bid document.
3. When specifications or descriptive papers are submitted with the bid, enter bidder's name thereon.
4. Submit your signed bid on the forms provided. Show bid number on envelope as instructed. Union County assumes no responsibility for unmarked or improperly marked envelopes. Unsigned bids will be rejected.
5. Bidders must clearly mark as "Confidential" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under Section 30-4-4C Code of Laws of South Carolina, 1976, (1986 Cum Supp) Freedom of Information Act. The County reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the County or its agents for its determination in this regard.
6. By submission of a bid, you are guaranteeing that all goods and services meet the requirements of the solicitation during the contract period.
7. This solicitation does not commit the County of Union to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services listed herein.
8. **CORRECTION OF ERRORS ON THE BID FORM:** All prices and notations shall be printed in ink or typewritten. Errors should be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of typewriter correction fluid may be cause for rejection. No bid shall be altered or amended after specified time for opening.
9. **NOTIFICATION:** Bid Tabulation, will be posted on the Procurement page of the Union County web site at [www.countyofunion.org](http://www.countyofunion.org).
10. **RIGHT TO PROTEST:** Any prospective bidder, offeror, or contractor, who is aggrieved in connection with the solicitation of a contract shall protest in writing to the County Engineer within ten (10) calendar days of the date of issuance of the Invitation to Bid, Requests for Proposals or other solicitation documents, whichever is applicable, or any amendment thereto, if the amendment is at issue. Any actual bidder, offeror, or contractor, who is aggrieved in connection with the intended award or award of a contract, shall protest in writing to the County Engineer within ten (10) calendar days of the notification of intent to award or statement of award.
11. **Protest Procedure:** A protest shall be in writing, submitted to the County Engineer, and shall set forth the specific grounds of the protest with enough particularity to give notice of the issues to be decided.
12. **Definitions:** For the purpose of this contract, the following definitions shall apply:
  - a. **OWNER** – refers generally to the County of Union and more specifically to the Union County Department of Public Works.
  - b. **ENGINEER** - refers to the Union County Department of Public Works or its designee
  - c. **CONTRACTOR** – The person, firm, or corporation with whom the owner has entered into a contract.

**GENERAL PROVISIONS**

1. The County of Union reserves the right to reject any and all bids, to cancel a solicitation, and to waive any technicality if deemed to be in the best interest of the county.
2. Total lump sum bid price will govern over extended prices unless otherwise stated in this bid invitation.
3. **PROHIBITION OF GRATUITIES:** Amended section 8-13-700 and 705 of the 1976 Code of Laws of South Carolina states: "Whoever gives or offers to any public official or public employee any compensation including a promise of future employment to influence his action, vote, opinion or judgment as a public official or public employee or such public official solicits or accepts such compensation to influence his action, vote, opinion or judgment shall be subject to the punishment as provided by Section 16-9- 210 and Section 16-9-220."
4. **BIDDERS QUALIFICATIONS:** Consideration will be given only to the contractors who can produce conclusive evidence that they can meet the following requirements:
  - 4.1 Adequate capital and credit rating sufficient to complete all operations under this contract in a satisfactory manner.
  - 4.2 An efficient office force with satisfactory record in expediting delivery of materials to field force, and capable of fulfilling proper liaison service with mechanical trade.
  - 4.3 An adequate and efficient field force with extensive knowledge of all types of work involved under this contract.
  - 4.4 A record of amicable relations with labor.
  - 4.5 An adequate supply of applicable equipment in good operating condition to fulfill the contract.
5. **LICENSES, PERMITS, INSURANCE & TAXES:** All costs for required licenses, permits, insurances and taxes shall be borne by the Contractor.
6. **INSURANCE:**
  - 6.1 The amount and types of insurance required should be reasonably commensurate with the hazards and magnitude of the undertaking, but in no event of lesser amount nor more restrictive than the limits of liability and schedule of hazards below described. Without limiting its liability under the contract agreement, the Contractor shall procure and maintain, at its expense during the life of this contract, insurance of the types in the minimum amounts stated below:

**SCHEDULE**

**LIMIT**

**WORKERS COMPENSATION**

As required by the State of South Carolina.

Statutory

**COMPREHENSIVE GENERAL LIABILITY**

Premises Operations

\$1,000,000

(per occurrence)

Single Limit

Contractual Liability

Independent Contractors

Personal Injury

Products - Completed Operations

## **AUTOMOBILE LIABILITY**

All Owned, Non-Owned, and Hired

\$500,000 Combined  
( per occurrence or tort claim  
liability, whichever is greater)

- 6.2 The Contractor's comprehensive general liability policy shall also include blanket contractual liability coverage or shall be endorsed to cover the liability assumed by the Contractor. Said insurance shall be written by a company or companies approved to do business in the State of South Carolina and acceptable to the County. Before commencing any work hereunder, certificates evidencing the maintenance of said insurance shall be furnished to the County of Union. The County of Union, its officials, employees and volunteers are to be covered as insured's as respects: liability arising out of activities performed by or on behalf of the contractor, including the insured's general supervision of the contract; products and completed operations of the contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded to the County of Union, its officials, employees or volunteers. To accomplish this objective, the County of Union shall be named as an additional insured under the Contractor's insurance as outlined above.
- 6.3 The contractor shall take out and maintain, during the life of this contract, the statutory Workmen's Compensation and Employer's Liability Insurance for all of his employees to be engaged in work on the project under this contract, and in case any such work is sublet, the contractor shall require the subcontractor similarly to provide Workmen's Compensation and Employer's Liability Insurance for all of the latter's employees to be engaged in such work.
- 6.4 Contractors insurance coverage shall be primary insurance as respects the County of Union, it officials, employees and volunteers. Any insurance or self-insurance maintained by the County of Union shall be in excess of the Contractor's insurance and shall not be required to contribute. To accomplish this objective, the following wording should be incorporated in the previously referenced additional insured endorsement:
- Other Insurance:* This insurance is primary, and our obligations are not affected by any other insurance carried by the additional insured whether primary, excess, contingent or on any other basis.
- 6.5 Each insurance required by the County of Union shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the County of Union.
- 6.6 Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all the requirements stated herein.
- 6.7 All certificates and endorsements must be received and approved by the County of Union within ten (10) days after notification of award.
- 6.8 The County, its officers and employees shall be named as an "additional insured" in the Automobile and General Liability policies and it shall be stated on the Insurance Certificate with the provision that this coverage "is primary to all other coverage the County may possess".

7. **BIDDERS RESPONSIBILITY:** Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract.
8. **AWARD CRITERIA:** The contract shall be awarded to the lowest responsible and responsive bidder(s) whose bid meets the requirements and criteria set forth in the Invitation for Bid. All things considered equal, tied bids will be resolved by the flip of the coin.
9. **WAIVER:** The County reserves the right to waive any Instruction to Bidders, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the county.
10. **COMPETITION:** This solicitation is intended to promote competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested contractor to notify the County Engineer in writing within five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.
11. **REJECTION:** Union County reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to other prices in the same or other bids or ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the county.
12. **WORK HOURS:**
  - 12.1 The normal working hours per day will be limited from 7 AM to 30 minutes before sunset Monday through Friday. Weekend work may be provided if cleared by the County Engineer.
  - 12.2 The Contractor shall not perform work on Sunday or Holidays unless prior written permission is obtained from the County Engineer.
  - 12.3 The following days are recognized as holidays by the owner:
    - New Years Day
    - Martin Luther King Day
    - Presidents Day
    - Good Friday
    - Memorial Day
    - Independence Day
    - Labor Day
    - Veterans Day
    - Day after Thanksgiving
    - Thanksgiving Day
    - Christmas Eve
    - Christmas Day
  - 12.4 When such recognized holidays fall on a Saturday or Sunday, the Owner may at its discretion, declare the preceding Friday or following Monday as a holiday. In the event that the Governor of the State/Board of County Commissioners shall declare any day or days preceding or following a holiday as a holiday, the Owner may, at its discretion, also declare such day or days as holidays.

## ***GENERAL CONDITIONS***

1. **DEFAULT:** In case of default by the contractor, the county reserves the right to purchase any or all items in default in the open market, charging the contractor with any excessive costs. Should such charge be assessed, no subsequent bids will be considered or purchase orders issued to the defaulting contractor until the assessed charge has been satisfied.
2. **NON-APPROPRIATION:** Any contract entered into by the County resulting from this bid invitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.
3. **INDEMNIFICATION:** The contractor agrees to indemnify and save harmless the County of Union and all County officers, agents and employees from claims, suits, actions, damages and costs of every name and description, arising out of or resulting from the use of any materials furnished by the Contractor, provided that such liability is not attributable to negligence on the part of the county or failure of the county to use the materials in the manner outlined by the Contractor in descriptive literature or specifications submitted with the Contractor's bid.
4. **CONTRACT ADMINISTRATION:** Questions or problems arising after award of this contract shall be directed to the County Engineer. Copies of all correspondence concerning this contract shall be sent to the County Engineer, Supervisor's Office, 210 West Main Street, Union, SC 29379. All change orders must be authorized in writing by the County Engineer. Union County shall not be bound to any change in the original contract unless approved in writing by the County Engineer.
5. **PUBLICITY RELEASES:** Contractor agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the User. The contractor shall not have the right to include the county's name in its published list of customers without prior approval of the county. With regard to news releases, only the name of the County, type and duration of contract may be used and then only with prior approval of the county. The contractor also agrees not to publish, or cite in any form, any comments or quotes from the County Staff unless it is a direct quote from the Public Information Officer.
6. **QUALITY OF PRODUCT:** Unless otherwise indicated in this bid it is understood and agreed that any items offered or shipped on this bid shall be new and in first class condition unless otherwise indicated herein.
7. **S.C. LAW CLAUSE:** Upon award of a contract under this bid, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed bid, the bidder agrees to subject himself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.
8. **ASSIGNMENT:** No contract or its provisions may be assigned, sublet, or transferred without the written consent of the County Engineer.
9. **AFFIRMATIVE ACTION:** The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.

10. **BIDDING CONDITION OF PRICE:** All bid prices submitted shall remain effective for a minimum period of 60 days, or until evaluation of bids is complete and award is made. Thereafter, the contract prices shall remain effective for the term of the contract.
11. **S.C. SALES TAX:** All bids shall include sales tax in bid price unless otherwise noted. *By submission of a signed bid, you are certifying, under penalties of perjury, that you comply with Title 12, Chapter 36, Article 1 of the SC Code of Laws relating to payment of any applicable taxes. This will certify to the County your compliance.*
12. Forms to register for all taxes administered by the South Carolina Department of Revenue may be obtained by calling the License and Registration Section at (803) 898-5872 or by writing to the South Carolina Department of Revenue, Registration Unit, Columbia, South Carolina 29214-0140.
13. **PAYMENT TERMS:** Payment will be made in full within thirty (30) days after acceptance of job being certified complete by County engineer or his designee.
14. **BID REQUIREMENTS:** Bid requirements on the equipment specified are not intended to be restrictive to potential bidders, but indicate the required features for satisfactory performance. Union County will determine if minor deviations from these features are acceptable.
15. **DEVIATIONS FROM SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Deviations found in the evaluation of the bid and not listed may be cause for rejection. Bidders offering substitute or equal items must provide information sufficient enough to determine acceptability of item offered.
16. **CONTRACT:** This bid and submitted documents, when properly accepted by Union County along with a written purchase order, shall constitute a contract equally binding between the successful offeror, and Union County. No different or additional terms will become a part of this contract with the exception of a Change Order.
17. **CHANGE ORDERS:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing by the County Engineer.
18. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the County Engineer of Union County. Union County shall not be legally bound by any amendment or interpretation that is not in writing.
19. **BID EVALUATION:** Bids received will be evaluated by the County Engineer or designee. However, based on bid total, final decision for bid award may rest with the Union County Council.
20. **ARBITRATION:** Under no circumstances and with no exception will Union County act as arbitrator between the Contractor and any subcontractor.
21. **"OR APPROVED EQUAL":** Certain processes, types of equipment or kinds of material are described in the specifications and/or on the drawings by means of trade/brand names and catalog numbers. In each instance where this occurs, it is understood and inferred that such description is followed by the words "or approved equal". Such method of description is intended merely as a means of establishing a standard of comparability. However, the Owner reserves the right to select the items, which, in the

judgment of the Owner, are best suited to the needs of the Owner, based on price, quality, service, availability and other relative factors. Bidders should indicate brand name, model, model number, size, type, weight, color, etc., of the item bid, if not exactly the same as the item specified. Vendor's stock number or catalog number is not sufficient to meet this requirement. If any bidder desires to furnish an item different from the specifications, vendor should submit along with the bid, the information, data, pictures, designs, cuts, etc., of the material they plan to furnish so as to enable the Owner to compare the material specified; and, such material shall be given due consideration. The Owner reserves the right to insist upon, and receive items as specified if the submitted items do not meet the Owner's standards for acceptance.

22. **ALTERNATE BIDS:** Bidders wishing to submit an alternate for consideration that does not meet the county specifications (or approved deviations), must submit their proposal as an alternate bid.
23. **DRUG-FREE WORKPLACE:** By submittal of this bid, you are certifying that you will comply with Title 44, Code of Laws of South Carolina, 1976, Section 44-107-30.
24. **“ILLEGAL IMMIGRATION & PUBLIC CONTRACTS:** In accordance with the South Carolina Illegal Immigration Reform Act, [2008, Act No. 280](#). Section 3 of this Act added to [Chapter 14 to Title 8](#) of the South Carolina Code of Laws prohibits covered persons from entering into covered contracts unless the contractor agrees either (a) to verify all new employees through the federal work authorization program [and requires the same from subcontractors and sub-subcontractors] or (b) to employ only qualifying workers. Effectively, the Act also requires contractors to agree to provide any documentation required to establish either (a) that the Act does or does not apply to the contractor, subcontractor, or sub-subcontractor; or (b) that the contractor, and any subcontractor or sub-subcontractor, are in compliance with Section 3 of the Act.”
25. **ABATEMENT OF WATER POLLUTION BY SEDIMENTATION:** The Contractor's attention is specifically directed to the fact that it is of the utmost importance during the life of this contract that control of water pollution due to sedimentation be accomplished as shown on the engineering drawings. The restrictions contained therein shall be strictly enforced and the Contractor is cautioned, therefore, to make every effort possible to comply with these regulations, and shall conduct his operations in such a manner as to keep to an absolute minimum the amount of sedimentation introduced in to any stream or watercourse.
30. **CONTRACTORS OBLIGATIONS:** The Contractor shall and will, in good workmanlike manner, do and perform all work and furnish all supplies and materials, machinery, equipment, facilities and means, except as herein otherwise expressly specified, necessary or proper to perform and complete all the work required by this contract, within the time herein specified, in accordance with the Plans and Plan Drawings covered by this contract and any and all supplemental Plans and Drawings, and in accordance with the directions of the Engineer as given from time to time during the progress of the work. It shall furnish, erect, maintain and remove such construction plant and such temporary works as may be required. The Contractor shall observe, comply with, and be subject to all terms, conditions, requirements, and limitations of the Contract and Specifications, and shall do, carry on, and complete the entire work to the satisfaction of the Engineer and the Owner.
31. **SUPERINTENDENCE BY CONTRACTOR:** At the site of work, the Contractor shall employ a construction superintendent or foreman who shall have full authority to act for the Contractor. It is understood that such representative shall be acceptable to the Engineer.
32. **ENGINEER AUTHORITY:** The Engineer shall give all orders and directions contemplated under this Contract and Specifications relative to the execution of the work. The Engineer shall determine the

amount, quality, acceptability, and fitness of the several kinds of work and materials which are to be paid for under the construction thereof. The Engineer's estimates and decisions shall be final and conclusive, except as herein otherwise expressly provided. In case any questions shall arise between the parties hereto relative to said Contract or Specifications, the determination or decision of the Engineer shall be a condition precedent to the right of the Contractor to receive any money or payment for work under Contract affected in any manner or to any extent by such question.

The Engineer shall decide the meaning and intent of any portion of the Specifications and any Plan or Drawings where the same may be found obscure or be in dispute. Any differences or conflicts in regard to their work which may arise between the Contractor under this Contract and other Contractors performing work for the Owner shall be adjusted and determined by the Engineer.

33. **INSPECTION AND INSPECTOR AUTHORITY:** The authorized representatives and agents of the Owner shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices materials and other relevant data and records.
- A. Engineer or designee shall be authorized to inspect all work done and materials furnished. Such inspection may extend to all or part and to the preparation or manufacture of the materials to be used. An inspector or inspectors will be stationed on the work report to the Engineer as to the progress of the work and the manner in which it is being performed; also to report whenever it appears that the materials furnished and work performed by the Contractor fail to fulfill the requirements of the Specifications and Contract, and to call to the attention of the Contractor any such failure and other default, but no inspection nor any failure to inspect, at any time or place, however, shall relieve the Contractor from any obligation to perform all of the work strictly in accordance with the requirements of the Specifications. In case of dispute arising between the contractor and any inspector as to the materials furnished or the manner of performing the work, the inspector shall have the authority to reject materials or suspend the work until the question at issue can be referred to and decided by the Engineer.
  - B. The inspectors shall perform such other duties as are assigned to them. They shall not be authorized to revoke, alter, enlarge, or release any requirements of these Specifications, not to approve or accept any portion of work, not to issue instructions contrary to the Plans and Specifications. Inspectors shall in no case act as foremen to perform other duties for the Contractor, nor interfere with the management of the work by the latter. Any instructions which the inspectors may give the Contractor shall in no way be construed as binding the Engineer or the Owner in any way, nor releasing the Contractor from fulfillment of the terms of the Contract.
34. **USE OF PREMISES AND REMOVAL OF DEBRIS:** The Contractor expressly undertakes at its own expense:
- A. To take every precaution against injuries to persons or damage to property.
  - B. To store its apparatus, materials, supplies, and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of its work or the work of any other Contractors.
  - C. To place upon the work or any part thereof only such loads as are consistent with the safety of that portion of the work. To clean up frequently all refuse, rubbish, scrap materials, and debris caused by its operations, to the end that at all times the site of the work shall present a neat, orderly, and workmanlike appearance.
  - D. Before final payment to remove all surplus material, false work, temporary structures, including foundations thereof, plant of any description and debris of every nature resulting from its operations, and to put the site in a neat, orderly condition.

- E. To affect all cutting, fitting or patching of its work required to same to conform to the Plans and Specifications and, except with the consent of the Engineer, not to cut or otherwise alter the work of any other contractor.
35. PUBLIC CONVENIENCE AND SAFETY: In addition to the requirements of SCDOT Standard Specifications for Highway Construction, add the following provisions:
- A. Dust control by sprinkling or the use of chemicals shall be performed by the Contractor to the satisfaction of the Engineer. The chemical used by the Contractor must be approved by the Engineer prior to use.
  - B. The condition of the work at all times shall be such that sudden storms or prolonged rainfall will not cause such damage to property in the vicinity of the work that could in any way be attributed to the performance of the work.
  - C. If, in the opinion of the Engineer, the public has been inconvenienced to a great extent, or that certain conditions provide a threat to public safety, or that work performed by the Contractor has caused damage to property in the area of the work, which has not been remedied quickly and satisfactorily, the Engineer shall have the authority to order all operations to cease until such time as such conditions are remedied to his satisfaction, and any delay caused thereby shall not be considered just cause for any extension of time in completion of the Contract. Upon refusal of the Contractor to promptly comply with this requirement, the Engineer shall have the right to perform such work as may be required.
  - D. In the event of temporary suspension of work, or during inclement weather, or whenever the Engineer shall direct, the Contractor will, and will cause its subcontractors to protect carefully its and their work and materials against damage or injury from the weather. If, in the opinion of the Engineer, any work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or any of its subcontractors to so protect its work, such materials shall be removed and replaced at the expense of the Contractor.
36. SUSPENSION OF WORK: Should the Owner be prevented or enjoined from proceeding with work or from authorizing its prosecution either before or after its prosecution, by reason of any litigation, the Contractor shall not be entitled to make or assert claim for damage by reason of said delay, but time for completion of the work will be extended to such reasonable time as the Owner may determine will compensate for time lost by such delay with such determination to be set forth in writing.
37. CORRECTION OF WORK: All work, all materials, whether incorporated in the work or not, all processes of manufacture, and all methods of construction shall be at all times and places subject to the inspection of the Engineer, who shall be the final judge of the quality and suitability of the work, materials, processes of manufacture, and methods of construction for the purposes for which they are used.

Any defective work, whether the result of poor workmanship, use of defective materials, damage through carelessness or any other cause, found to exist shall be removed and replaced by work and materials which shall conform to the Specifications or shall be remedied otherwise in an acceptable manner authorized by the Engineer.

Upon failure on the part of the Contractor to comply promptly with any order of the Engineer, made under the provisions of these General Provisions, the Engineer shall have authority to cause defective work to be remedied or removed and replaced and unauthorized work to be removed and to deduct the costs from any monies due or to become due the Contractor under this Contract.

38. **PAYMENT TO CONTRACTOR:** The Owner shall be paid in full within thirty (30) of final completion and acceptance of all work covered by the Contract.

The Owner reserves the right to withhold all or any part thereof of monies due, if in the opinion of the Owner, the completed work is found not to be in conformance with the Plans and Specifications, defective and/or damaged by negligence by the Contractor and/or his employees. This above shall also apply to previously approved work by the Inspector which may require correction/replacement or become defective due to negligence and/or workmanship by the Contractor. This shall also include unsatisfactory prosecution of the work, failure to furnish required submittals, and/or unapproved testing procedures.

The Contractor agrees that it will indemnify and save the Owner harmless from all claims growing out of the lawful demands of subcontractors, laborers, workmen, mechanics, material men, and furnishers of machinery and parts thereof, equipment, power tools, and all supplies, including commissary, incurred in the furtherance of the performance of this Contract. The Contractor shall, at the Owner's request, furnish satisfactory evidence that all obligations of the nature hereinabove designated have to be paid, discharged, or waived. If the Contractor fails to do so , then the Owner may, after having served written notice, direct, or withhold form the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of this Contract, but in no event shall the provisions of this sentence be constructed to impose any obligations upon the Owner to either the Contractor or its Surety. In paying any unpaid bills of the Contractor, the Owner shall be deemed the agent of the Contract, and any payment so made by the Owner, shall be considered as a payment made under the Contract by the Owner to the Contractor, and the Owner shall not be liable to the Contractor for any such payment made in good faith.

## COUNTY OF UNION

### BIDDERS SCHEDULE

**BID NUMBER:** SSB-08-20-101

**DATE:** July 30, 2020

**OPENING DATE AND TIME:** Wednesday, August 26, 2020 @ 3:00 PM

**OPENING LOCATION:** County Engineering Office  
1246 S. Duncan By-Pass, Suite B  
Union, SC 29379

**PROCUREMENT:** **Removal and Replacement of Roof - Old South State Bank Building (See *Project Description* in Specification Section below)**

**AWARD:** The total bid as formatted on BID FORM will be used as a basis for evaluation of the bids and award of the contract. If the award of a contract is made, it will be to the lowest, responsive, responsible Bidder within the specified time for bids to remain irrevocable.

**TIME OF COMPLETION:** The successful bidder shall commence work within ten (10) calendar days of receipt of written "Notice to Proceed" by the Owner and fully execute and complete the project within Sixty (60) calendar days.

**SITE VISIT:** **A mandatory Pre-Bid Meeting will be held at the site on Wednesday, August 12, 2020 at 10:00AM.** Additional site visits, if necessary, should be arranged with Jerry Brannon, Sr. - County Engineer.

**WARRANTY:** The contractor shall provide a one-year warranty for workmanship and materials for all work associated with the project. The shingles will carry a 25 year for labor and material. The warranty period begins after all close out documents have been submitted and accepted. The contractor will be provided a final acceptance letter by the Union County Engineer.

BID FORM

\_\_\_\_\_  
Name of General Contractor Submitting Proposal

Mr. Jerry Brannon, County Engineer  
County Engineering Office  
1246 S. Duncan By-Pass, Suite B  
Union, SC 29379

Reference: **Removal and Replacement of Roof - Old South State Bank Building**

**ADDENDA**

The following addenda have been received by this contractor:

Addendum #1 \_\_\_\_\_ Dated: \_\_\_\_\_  
Addendum #2 \_\_\_\_\_ Dated: \_\_\_\_\_

The undersigned, having familiarized themselves with the local conditions affecting the cost of the work, and with the drawings and specifications, including all addenda, hereby propose to furnish all labor, material, equipment and services necessary for the **Removal and Replacement of Roof - Old South State Bank Building** in accordance with this Bid Document for the lump sum of:

**TOTAL BID**

\_\_\_\_\_  
\_\_\_\_\_  
Dollars (\$ \_\_\_\_\_)

In submitting this bid, it is understood that:

The Owner reserves the right to reject any or all bids, and/or award the contract in accordance with their best interest.

This bid proposal may not be withdrawn for a period of thirty (30) days from the date of bid opening.

Signature page to follow:

General Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone Number: \_\_\_\_\_

Email: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Contractor's License Number: \_\_\_\_\_

## **SPECIFICATIONS**

### **Project Description**

The contractor will provide all labor, material and equipment to remove and replace the entire existing roofing structure, except the east and west wings off the main three-story building section. The main roof structure to be replaced covers approximately 1400 SF of office area and the rear roof structure covers approximately 1850 SF of office area. The replaced roof will be covered with new 25 year, or longer life, architectural shingles. Even though the east and west wing roof structure is not being replaced, it will be re-covered with the same shingles. All flashings will be new and properly ported. The work will require some demolition to remove HVAC duct work and equipment, disconnect electrical wiring, communication cables, suspended ceiling and any other obstruction to removal of existing trusses. Electrical wires and communication cables will be disconnected and/or cut off in as manner as to leave as much wiring as possible to be accessed from the roof area for future junction boxes and/or re-pulling of through existing conduit.

Measures must be taken at the stoppage of each day's work to protect the interior of the structure from damage by the elements.

It will be the responsibility of the contractor to verify all measurements, quantities and scope of work prior to submitting bids. Once bids are finalized and the contract is awarded, contractor will be required to correct any and all issues encountered to meet codes that pertain to structural integrity and occupant safety and enjoyment. It is the intent of this contract that at the acceptance of the work for this project, the facility will be suitable for the owner to commence interior work on HVAC, electrical, plumbing and other construction work necessary for the owner to occupy structure without any hinderance from the prior roofing work.

Contractor will be responsible for the design and engineering of the trusses. The attached roof Framing Plan prepared Palmetto Structural Engineering, LLC dated 8/7/19 will be adhered to with the exception that rear extension framing will be continued for the entire length of the rear extension. (Originally, plans were to stop at the most recent building extension, but it was decided to replace the entire rear extension entire roof.)

Work also will include replacement and/or repair of fascia and soffits including painting. Gutters will be removed and reinstalled. Damaged gutters and drain spouts will be replaced and/or repaired and repainted as necessary.

A mandatory Pre-Bid meeting will be held to clear up any questions and determine if any addendum will be issued.

Notwithstanding anything above in the description of project and in the following specifications, the contractor's work on this project will confirm to the International Building Code (IBC) and

inspected and enforced by the Union County Building Inspector. Where there is any discrepancy, the code will rule.

**Note: Specifications are still under review by the County's architectural firm. If any changes are necessary, those changes, if any, will be provided at the Pre-Bid Meeting, Wednesday, August 12, 2020.**

## **SECTION 061753 - SHOP-FABRICATED WOOD TRUSSES**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

**A. Section Includes:**

1. Wood roof trusses.
2. Wood floor trusses.
3. Wood girder trusses.
4. Wood truss bracing.
5. Metal truss accessories.

**B. Allowances:** Provide wood truss bracing under the Metal-Plate-Connected Truss Bracing Allowance as specified in Division 01 Section "Allowances."

#### **1.2 ACTION SUBMITTALS**

**A. Product Data:** For metal-plate connectors, metal truss accessories, and fasteners.

**B. Shop Drawings:** Show fabrication and installation details for trusses.

1. Show location, pitch, span, camber, configuration, and spacing for each type of truss required.
2. Indicate sizes, stress grades, and species of lumber.
3. Indicate locations of permanent bracing required to prevent buckling of individual truss members due to design loads.
4. Indicate locations, sizes, and materials for permanent bracing required to prevent buckling of individual truss members due to design loads.
5. Indicate type, size, material, finish, design values, orientation, and location of metal connector plates.
6. Show splice details and bearing details.

**C. Delegated-Design Submittal:** For metal-plate-connected wood trusses indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

### 1.3 INFORMATIONAL SUBMITTALS

- A. Product certificates.
- B. Evaluation Reports: For the following, from ICC-ES:
  - 1. Metal-plate connectors.
  - 2. Metal truss accessories.

### 1.4 QUALITY ASSURANCE

- A. Metal Connector-Plate Manufacturer Qualifications: A manufacturer that is a member of TPI and that complies with quality-control procedures in TPI 1 for manufacture of connector plates.
  - 1. Manufacturer's responsibilities include providing professional engineering services needed to assume engineering responsibility.
  - 2. Engineering Responsibility: Preparation of Shop Drawings and comprehensive engineering analysis by a qualified professional engineer.
- B. Fabricator Qualifications: Shop that participates in a recognized quality-assurance program that complies with quality-control procedures in TPI 1 and that involves third-party inspection by an independent testing and inspecting agency acceptable to Architect and authorities having jurisdiction and is certified for chain of custody by an FSC-accredited certification body.

### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Handle and store trusses to comply with recommendations in TPI BCSI, "Building Component Safety Information: Guide to Good Practice for Handling, Installing, Restraining, & Bracing Metal Plate Connected Wood Trusses."

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Division 01 Section "Quality Requirements," to design metal-plate-connected wood trusses.
- B. Structural Performance: Provide metal-plate-connected wood trusses capable of withstanding design loads within limits and under conditions indicated. Comply with requirements in TPI 1 unless more stringent requirements are specified below.

### 2.2 DIMENSION LUMBER

- A. Certified Wood: For metal-plate-connected wood trusses and permanent bracing, provide materials produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."

- B. Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules writing agency certified by the ALSC Board of Review. Provide lumber graded by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.
  - 1. Provide dry lumber with 15 percent maximum moisture content at time of dressing.
- C. Permanent Bracing: Provide wood bracing that complies with requirements for miscellaneous lumber in Division 06 Section "Rough Carpentry."

## 2.3 METAL CONNECTOR PLATES

- A. Manufacturers: Subject to compliance with requirements, provide products by the following available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
  - 1. Alpine Engineered Products, Inc.; an ITW company.
  - 2. Cherokee Metal Products, Inc.; Masengill Machinery Company.
  - 3. CompuTrus, Inc.
  - 4. Eagle Metal Products.
  - 5. Jager Building Systems, Inc.; a Tembec/SGF Rexfor company.
  - 6. MiTek Industries, Inc.; a subsidiary of Berkshire Hathaway Inc.
  - 7. Robbins Engineering, Inc.
  - 8. Truswal Systems Corporation; an ITW company.
  - 9. Other comparable approved Manufacturer
- B. General: Fabricate connector plates to comply with TPI 1.
- C. Hot-Dip Galvanized-Steel Sheet: ASTM A 653/A 653M; Structural Steel (SS), high-strength low-alloy steel Type A (HSLAS Type A), or high-strength low-alloy steel Type B (HSLAS Type B); G60 (Z180) coating designation; and not less than 0.036 inch (0.9 mm) thick.

## 2.4 FASTENERS

- A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
  - 1. Provide fasteners for use with metal framing anchors that comply with written recommendations of metal framing manufacturer.
  - 2. Where trusses are exposed to weather, in ground contact, made from pressure-preservative treated wood, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M or of Type 304 stainless steel.
- B. Nails, Brads, and Staples: ASTM F 1667.

## 2.5 METAL FRAMING ANCHORS AND ACCESSORIES

- A. Manufacturers: Subject to compliance with requirements, provide products by available manufacturers offering products that may be incorporated into the Work.
- B. Basis-of-Design Product: Subject to compliance with requirements, provide product comparable to product by one of the following:
  - 1. Cleveland Steel Specialty Co.
  - 2. KC Metals Products, Inc.
  - 3. Phoenix Metal Products, Inc.
  - 4. Simpson Strong-Tie Co., Inc.
  - 5. USP Structural Connectors.
  - 6. Other comparable approved Manufacturer
- C. Allowable Design Loads: Provide products with allowable design loads, as published by manufacturer, that meet or exceed those of basis-of-design products meeting requirements of geographical location of building. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency.
- D. Galvanized-Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A 653/A 653M, G60 (Z180) coating designation.

## 2.6 FABRICATION

- A. Assemble truss members in design configuration indicated; use jigs or other means to ensure uniformity and accuracy of assembly with joints closely fitted to comply with tolerances in TPI 1. Position members to produce design camber indicated.
  - 1. Fabricate wood trusses within manufacturing tolerances in TPI 1.
- B. Connect truss members by metal connector plates located and securely embedded simultaneously in both sides of wood members by air or hydraulic press.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Install wood trusses only after supporting construction is in place and is braced and secured.
- B. If trusses are delivered to Project site in more than one piece, assemble trusses before installing.
- C. Hoist trusses in place by lifting equipment suited to sizes and types of trusses required, exercising care not to damage truss members or joints by out-of-plane bending or other causes.
- D. Install and brace trusses according to TPI recommendations and as indicated.

- E. Anchor trusses securely at bearing points; use metal truss tie-downs or floor truss hangers as applicable. Install fasteners through each fastener hole in metal framing anchors according to manufacturer's fastening schedules and written instructions.
- F. Securely connect each truss ply required for forming built-up girder trusses.
- G. Install and fasten permanent bracing during truss erection and before construction loads are applied. Anchor ends of permanent bracing where terminating at walls or beams.
  - 1. Install bracing to comply with Division 06 Section "Rough Carpentry and Miscellaneous Rough Carpentry."
  - 2. Install and fasten strongback bracing vertically against vertical web of parallel-chord floor trusses at centers indicated.
- H. Install wood trusses within installation tolerances in TPI 1.
- I. Do not alter trusses in field. Do not cut, drill, notch, or remove truss members.
- J. Replace wood trusses that are damaged or do not meet requirements.

END OF SECTION 061753

## **SECTION 061600 - SHEATHING**

### **PART 4 - GENERAL**

#### **4.1 SUMMARY**

- A. Section Includes:
  - 1. Wall sheathing.
  - 2. Roof sheathing.
  - 3. Composite nail base insulated roof sheathing.
  - 4. Subflooring.
  - 5. Underlayment.
  - 6. Sheathing joint and penetration treatment.

#### **4.2 ACTION SUBMITTALS**

- A. Product Data: For each type of process and factory-fabricated product. Indicate component materials and dimensions and include construction and application details.
  - 1. Include data for wood-preservative treatment from chemical treatment manufacturer and certification by treating plant that treated plywood complies with requirements.
  - 2. Include data for fire-retardant treatment from chemical treatment manufacturer and certification by treating plant that treated plywood complies with requirements.

#### 4.3 INFORMATIONAL SUBMITTALS

- A. Evaluation Reports: For following products, from ICC-ES:
  - 1. Preservative-treated plywood.
  - 2. Fire-retardant-treated plywood.
  - 3. Foam-plastic sheathing.

### PART 5 - PRODUCTS

#### 5.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For assemblies with fire-resistance ratings, provide materials and construction identical to those of assemblies tested for fire resistance per ASTM E 119 by a testing and inspecting agency acceptable to authorities having jurisdiction.
  - 1. Fire-Resistance Ratings: Indicated by design designations as required by code.

#### 5.2 WOOD PANEL PRODUCTS

- A. Emissions: Products shall meet the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- B. Certified Wood: For the following wood products, provide materials produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship":
  - 1. Plywood.
  - 2. Oriented strand board.
  - 3. Particleboard underlayment.
  - 4. Hardboard underlayment.
- C. Plywood: Either DOC PS 1 or DOC PS 2 unless otherwise indicated.
- D. Oriented Strand Board: DOC PS 2.

#### 5.3 PRESERVATIVE-TREATED PLYWOOD

- A. Preservative Treatment by Pressure Process: AWPA U1; Use Category UC3b for exterior construction.
- B. Mark plywood with appropriate classification marking of an inspection agency acceptable to authorities having jurisdiction.
- C. Application: Treat items indicated on Drawings and plywood in contact with masonry or concrete or used with roofing, flashing, vapor barriers, and waterproofing.

#### 5.4 FIRE-RETARDANT-TREATED PLYWOOD

- A. General: Where fire-retardant-treated materials are indicated, use materials complying with requirements in this article that are acceptable to authorities having jurisdiction and with fire-test-response characteristics specified as determined by testing identical products per test method indicated by a qualified testing agency.
- B. Fire-Retardant-Treated Plywood by Pressure Process: Products with a flame-spread index of 25 or less when tested according to ASTM E 84, and with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 feet (3.2 m) beyond the centerline of the burners at any time during the test.
  - 1. Exterior Type: Treated materials shall comply with requirements specified above for fire-retardant-treated plywood by pressure process after being subjected to accelerated weathering according to ASTM D 2898. Use for exterior locations and where indicated.
  - 2. Interior Type A: Treated materials shall have a moisture content of 28 percent or less when tested according to ASTM D 3201 at 92 percent relative humidity. Use where exterior type is not indicated.
  - 3. Design Value Adjustment Factors: Treated lumber plywood shall be tested according to ASTM D 5516 and design value adjustment factors shall be calculated according to ASTM D 6305. Span ratings after treatment shall be not less than span ratings specified
- C. Kiln-dry material after treatment to a maximum moisture content of 15 percent.
- D. Identify fire-retardant-treated plywood with appropriate classification marking of qualified testing agency.
- E. Application: Treat all plywood unless otherwise indicated.

#### 5.5 ROOF SHEATHING

- A. Plywood Roof Sheathing: Exterior, Structural I sheathing.
- B. Oriented-Strand-Board Roof Sheathing: Exposure 1, Structural I sheathing.

#### 5.6 FASTENERS

- A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
  - 1. For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M or Type 304 stainless steel.

## PART 6 - EXECUTION

### 6.1 INSTALLATION, GENERAL

- A. Do not use materials with defects that impair quality of sheathing or pieces that are too small to use with minimum number of joints or optimum joint arrangement. Arrange joints so that pieces do not span between fewer than three support members.
- B. Cut panels at penetrations, edges, and other obstructions of work; fit tightly against abutting construction unless otherwise indicated.
- C. Securely attach to substrate by fastening as indicated, complying with the following:
  - 1. NES NER-272 for power-driven fasteners.
  - 2. Table 2304.9.1, "Fastening Schedule," in ICC's "International Building Code."
  - 3. Table R602.3(1), "Fastener Schedule for Structural Members," and Table R602.3(2), "Alternate Attachments," in ICC's "International Residential Code for One- and Two-Family Dwellings."
- D. Coordinate roof sheathing installation with flashing and joint-sealant installation so these materials are installed in sequence and manner that prevent exterior moisture from passing through completed assembly.
- E. Do not bridge building expansion joints; cut and space edges of panels to match spacing of structural support elements.

END OF SECTION 061600

## **SECTION 073113.13 – FIBERGLASS-REINFORCED ASPHALT SHINGLES**

### PART 7 - GENERAL

#### 7.1 SUMMARY

- A. Section Includes:
  - 1. Asphalt shingles.
  - 2. Underlayment.
  - 3. Ridge vents.
  - 4. Metal flashing and trim.

#### 7.2 DESCRIPTION OF THE WORK

- A. Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
  - 1. Removal and disposal of existing roofing materials to deck.

2. Inspect existing roof decking for damaged portions.
    - a. Contractor to allow for three (3) sheets of plywood in their base bid pricing.
    - b. Contractor to provide unit pricing for additional sheets of plywood, if required.
  3. Installation of new roofing materials and accessories as specified.
  4. Daily clean-up of surrounding landscaping, including magnet sweep to remove all nails.
- B. For units with skylights (Type "A"):
1. Remove existing skylight, all components including light box/tube
  2. Repair any damaged framing or sheathing.
  3. Install new sheathing, in thickness to match existing, per NCRA guidelines (minimum 4' wide to bridge three rafters), with 2x cross blocking to support new sheathing and new interior gypsum finishes.

### 7.3 PREINSTALLATION MEETINGS

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

### 7.4 WEATHER CONDITIONS

- A. Proceed with work only when existing and forecasted weather conditions will permit work to be performed in accordance with roofing shingle manufacturer's recommendations.

### 7.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified.

### 7.6 INFORMATIONAL SUBMITTALS

- A. Product test reports.
- B. Evaluation reports.
- C. Sample warranty.

### 7.7 CLOSEOUT SUBMITTALS

- A. Maintenance data.

### 7.8 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

## 7.9 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace asphalt shingles that fail within specified warranty period.
  - 1. Wind-Speed Warranty Period: Asphalt shingles will resist blow-off or damage caused by wind speeds of up to 100 mph for 15 years from date of Substantial Completion.
  - 2. Algae-Resistance Warranty Period: Asphalt shingles will not discolor for 10 years from date of Substantial Completion.
  - 3. Workmanship Warranty Period: Two years from date of Substantial Completion.

## 7.10 DELIVERY, STORAGE, AND HANDLING

- A. Store roofing materials in a dry, well-ventilated location protected from weather, sunlight, and moisture according to manufacturer's written instructions.
- B. Store underlayment rolls on end on pallets or other raised surfaces. Do not double stack rolls.
- C. Protect unused roofing materials from weather, sunlight, and moisture when left overnight or when roofing work is not in progress.
- D. Handle, store, and place roofing materials in a manner to prevent damage to roof deck or structural supporting members.
- E. Handle, store and place roofing materials on the roof prior to application in a manner so as to prevent deformation and/or damage to the shingle bundles or shingles.

## PART 8 - PRODUCTS

### 8.1 PERFORMANCE REQUIREMENTS

- A. Exterior Fire-Test Exposure: Provide asphalt shingles and related roofing materials identical to those of assemblies tested for Class A fire resistance according to ASTM E 108 or UL 790 by Underwriters Laboratories, Inc. or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify products with appropriate markings of applicable testing agency.

### 8.2 GLASS-FIBER-REINFORCED ASPHALT SHINGLES

- A. Laminated-Strip Asphalt Shingles: ASTM D 3462/D 3462M, laminated, multi-ply overlay construction, glass-fiber reinforced, mineral-granule surfaced, and self-sealing.
  - 1. Basis of Design Product: Subject to compliance with requirements, provide "Landmark" products by CertainTeed Corporation, or comparable product by one of the following:
    - a. Tamko Building Products
    - b. GAF Materials Corporation.
    - c. Owens Corning.

2. Strip Size: Manufacturer's standard.
  3. Algae Resistance: Granules resist algae discoloration.
  4. Impact Resistance: UL 2218, Class 4.
  5. Color and Blends: As selected by Architect from manufacturer's full range.
    - i) Plan for a minimum of four color selections throughout the community.
- B. Hip and Ridge Shingles: Manufacturer's standard units to match asphalt shingles.

### 8.3 UNDERLAYMENT MATERIALS

- A. Felt: ASTM D 226/D 226M, asphalt-saturated organic felts, nonperforated.
1. Type: Type I (15 lb.).
- B. Self-Adhering Ice & Water Shield Sheet Underlayment: Minimum of 40-mil-thick; with slip-resisting, polymer-film-reinforced or glass-reinforced top surface laminated to layer of butyl or SBS-modified asphalt adhesive; with release backing; cold applied; and evaluated and documented to be suitable for use for intended purpose under applicable codes by a testing and inspecting agency acceptable to authorities having jurisdiction. Provide primer for adjoining concrete or masonry surfaces to receive underlayment.
1. Basis of Design Product: Subject to compliance with requirements, provide "WinterGuard HT" product by CertainTeed Corporation, or comparable product by one of the following:
    - a. Tamko Building Products
    - b. GAF Materials Corporation "Weather Watch".
    - c. Grace Construction Products; W.R. Grace & Co.
    - d. Owens Corning "Weather Lock"
  2. Thermal Stability: Stable after testing at 240 deg F according to ASTM D 1970/D 1970M.
  3. Low-Temperature Flexibility: Passes after testing at minus 20 deg F according to ASTM D 1970/D 1970M.
  4. Installation: Install at all valleys, gutter locations, roof vents and other penetrations.

### 8.4 RIDGE VENTS

- A. Rigid Ridge Vent: Manufacturer's standard, rigid section high-density polypropylene or other UV-stabilized plastic ridge vent for use under ridge shingles.
1. Basis of Design Product: Subject to compliance with requirements, provide CertainTeed Ridge Vent by CertainTeed Corporation, or comparable product by one of the following:
    - a. Air Vent, Inc.; a Gibraltar Industries company.
    - b. GAF Materials Corporation.
    - c. Owens Corning.
  2. Minimum Net Free Area: 18 square inches per linear foot.
    - a. Contractor to verify existing ventilation at soffits and install equivalent at ridge vents.
  3. Width: 10" minimum, total product width excluding baffles.

4. Thickness: 3/4" minimum, or as required by manufacturer to achieve minimum net free area specified.
5. Features:
  - a. Nonwoven geotextile filter strips.
  - b. External deflector baffles.

## 8.5 ACCESSORIES

- A. Asphalt Roofing Cement: ASTM D 4586, Type II, asbestos free.
- B. Roofing Nails: ASTM F 1667; aluminum, stainless-steel, copper, or hot-dip galvanized-steel wire shingle nails, minimum 0.120-inch-diameter, sharp-pointed, with a minimum 3/8-inch-diameter flat head and of sufficient length to penetrate 3/4 inch into solid wood decking or extend at least 1/8 inch through OSB or plywood sheathing.
  1. Shank: Barbed.
  2. Where nails are in contact with metal flashing, use nails made from same metal as flashing.
- C. Felt-Underlayment Nails: Aluminum, stainless-steel, or hot-dip galvanized-steel wire with low-profile capped heads or disc caps, 1-inch minimum diameter.

## 8.6 METAL FLASHING AND TRIM

- A. General: Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of the item.
  1. Sheet Metal: Zinc-tin alloy-coated steel or Anodized aluminum, 26 gauge minimum.
    - a. Apron Flashings: Fabricate with lower flange a minimum of 4 inches over and 4 inches beyond each side of downslope asphalt shingles and 6 inches up the vertical surface.
    - b. Step Flashings: Fabricate with a headlap of 2 inches and a minimum extension of 4 inches over the underlying asphalt shingle and up the vertical surface.
    - c. Cricket or Backer Flashings: Fabricate with a headlap of 2 inches and a minimum extension of 4 inches over the underlying asphalt shingle and up the vertical surface.
    - d. Vent Pipe Flashings: ASTM B 749, Type L51121, at least 1/16 inch thick. Provide lead sleeve sized to slip over and turn down into pipe, soldered to skirt at slope of roof, and extending at least 4 inches from pipe onto roof.
    - e. Drip Edge: Type T, with a minimum of 1/2 inch projection to support shingles, a minimum of 2" leg for nailing, and a minimum of 1 inch extension below the roof sheathing.

## PART 9 - EXECUTION

### 9.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
  - 1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
  - 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored; and that provisions have been made for flashings and penetrations through asphalt shingles.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 9.2 REMOVAL OF EXISTING ROOFING

- A. Remove all existing roofing down to the roof deck.
- B. Verify that the deck is dry, sound, clean and smooth, free of depressions, waves and projections.
- C. Cover with sheet metal all holes greater than 1 inch diameter, cracks over 1/2 inch in width, loose knots and excessively resinous areas.
- D. Replace damaged deck with new materials.
- E. Clean deck surfaces thoroughly prior to installation of eaves protection membrane and underlayment.

### 9.3 UNDERLAYMENT INSTALLATION

- A. General: Comply with underlayment manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
- B. Single-Layer Felt Underlayment (4:12 slope or greater): Install on roof deck parallel with and starting at the eaves. Lap sides a minimum of 2 inches over underlying course. Lap ends a minimum of 4 inches. Stagger end laps between succeeding courses at least 72 inches. Fasten with felt-underlayment nails.
  - 1. Install felt underlayment on roof deck not covered by self-adhering sheet underlayment. Lap sides of felt over self-adhering sheet underlayment not less than 3 inches in direction that sheds water. Lap ends of felt not less than 6 inches over self-adhering sheet underlayment.
  - 2. Install fasteners at no more than 36 inches o.c.
- C. Self-Adhering Sheet Underlayment: (roof slopes 3:12 or less - verify with manufacturer's requirements): Install wrinkle-free on roof deck parallel with and starting at the eaves. Cover entire deck. Fasten with felt-underlayment nails.

1. Install underlayment on roof sheathing. Lap edges over self-adhering sheet underlayment not less than 3 inches in direction that sheds water. Lap ends not less than 6 inches staggered 24 inches between courses. Roll laps with roller.
2. Terminate underlayment extended up not less than 4 inches against sidewalls, curbs, chimneys, and other roof projections.
3. Install fasteners at no more than 36 inch o.c.
4. Comply with low-temperature installation restrictions of underlayment manufacturer if applicable.
5. Prime concrete and masonry surfaces to receive self-adhering sheet underlayment.

D. Self-Adhering Sheet Underlayment: Comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Install lapped in direction that sheds water. Lap sides not less than 3-1/2 inches. Lap ends not less than 6 inches staggered 24 inches between courses. Roll laps with roller. Cover underlayment within seven days.

1. Prime concrete and masonry surfaces to receive self-adhering sheet underlayment.

#### 9.4 METAL FLASHING & TRIM INSTALLATION

A. General: Install metal flashings and other sheet metal to comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."

1. Install metal flashings according to recommendations in ARMA's "Residential Asphalt Roofing Manual" and NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
2. Seal work projecting through or mounted on roof with asphalt roofing cement and make weather tight.
3. Install drip edges along eaves of roof with a minimum of 2" overlap at seams, with roofing nails located not more than 4 inches on center. Drip edges shall be installed over the underlayment material, per manufacturer's guidelines.

#### 9.5 ASPHALT-SHINGLE INSTALLATION

A. General: Install asphalt shingles according to manufacturer's written instructions, recommendations in ARMA's "Residential Asphalt Roofing Manual," and recommendations in NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."

B. Install starter strip along lowest roof edge, consisting of an asphalt-shingle strip with tabs removed at least 7 inches wide with self-sealing strip face up at roof edge.

1. Extend asphalt shingles 1/2 inch over fascia at eaves and rakes.
2. Install starter strip along rake edge.

C. Install first and remaining courses of asphalt shingles stair-stepping diagonally across roof deck with manufacturer's recommended offset pattern at succeeding courses, maintaining uniform exposure.

D. Install first and remaining courses of asphalt shingles stair-stepping diagonally across roof deck with manufacturer's recommended offset pattern at succeeding courses, maintaining uniform exposure.

E. Install asphalt shingles by single-strip column or racking method, maintaining uniform exposure. Install full-length first course followed by cut second course, repeating alternating pattern in succeeding courses.

- F. Fasten asphalt-shingle strips with a minimum of five roofing nails located according to manufacturer's written instructions. Number of roofing nails shall be in accordance with local building codes if building code requirements are more stringent.
  - 1. Where roof slope exceeds 21:12, seal asphalt shingles with asphalt roofing cement spots after fastening with additional roofing nails.
  - 2. Where roof slope is less than 4:12, seal asphalt shingles with asphalt roofing cement spots.
  - 3. When ambient temperature during installation is below 50 deg F, seal asphalt shingles with asphalt roofing cement spots.
  
- G. Woven Valleys: Extend asphalt-shingle strips from one side of valley 12 inches beyond center of valley. Use one-piece shingle strips without joints in valley. Fasten with extra nail in upper end of shingle. Install asphalt-shingle courses from other side of valley and cut back to a straight line 2 inches short of valley centerline. Trim upper concealed corners of cut-back shingle strips.
  - 1. Do not nail asphalt shingles within 6 inches of valley center.
  - 2. Set trimmed, concealed-corner asphalt shingles in a 3-inch-wide bed of asphalt roofing cement.
  
- H. Ridge Vents: Install continuous ridge vents over asphalt shingles according to manufacturer's written instructions. Fasten with roofing nails of sufficient length to penetrate sheathing.
  
- I. Hip and Ridge Shingles: Maintain same exposure of cap shingles as roofing shingle exposure. Lap cap shingles at ridges to shed water away from direction of prevailing winds. Fasten with roofing nails of sufficient length to penetrate sheathing.
  - 1. Fasten ridge cap asphalt shingles to cover ridge vent without obstructing airflow.

#### 9.6 CLEAN-UP

- A. At the end of each work day, remove and legally dispose of any and all debris created during roof removal and installation.
  - 1. Perform check for nails by use of magnetic device.
- B. Remove roofing tar and residue from unintended surfaces (siding, sidewalks, etc.).
- C. Replace damaged grass or shrubbery.
- D. Perform final check and removal of nails using magnetic device to ensure that all nails have been removed.

#### 9.7 PROTECTION

- A. Stage work progress so that traffic is minimized over completed roofing.
- B. Protect any roof areas not completed by the end of the day from moisture and contaminants.

END OF SECTION 073113

## **SECTION 077123 – GUTTERS AND DOWNSPOUTS - SEAMLESS**

### **PART 10 - GENERAL**

#### **10.1 SUMMARY**

- A. Section Includes:
  - 1. Gutters
  - 2. Downspouts
  - 3. Miscellaneous Accessories (Brackets, Hangers, etc.)
  - 4. Gutter Guards
  - 5. Splashblocks

#### **10.2 DESCRIPTION OF THE WORK**

- A. Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
  - 1. Removal and disposal of existing gutters and downspouts.
  - 2. Inspect existing fascia for damaged portions.
    - a. Repair damage as part of Allowance for repairs to siding and trim.
  - 3. Installation of complete gutter and downspout system
  - 4. Daily clean-up of surrounding landscaping, including magnet sweep to remove all nails.
  - 5.
- B. For Type “A” units (as part of basic Scope of Work):
  - 1. Remove existing portion of gutters and downspouts as indicated on drawing, Sheet A5-A; reinstall with gutters and downspouts in new configuration and with proper slope.
- C. For all units (as part of Alternate):
  - 1. Remove existing gutters and downspouts and replace with new gutters and downspouts in existing locations/configurations.

#### **10.3 PREINSTALLATION MEETINGS**

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

#### **10.4 ACTION SUBMITTALS**

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified.
  - 1. Submit manufacturer’s technical data for specified finishes, and full-range color chart indicating colors specified.

#### **10.5 INFORMATIONAL SUBMITTALS**

- A. Product test reports.
- B. Evaluation reports.
- C. Sample warranty.

## 10.6 CLOSEOUT SUBMITTALS

- A. Maintenance data.

## 10.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer to have a minimum of five (5) years experience in the production of sheet metal gutters and downspouts.
- B. Fabricator/Installer Qualifications: Fabricator/Installer shall be approved by manufacturer for fabrication of gutters and downspouts.
- C. Obtain all components and related accessories from a single-source manufacturer.

## 10.8 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace products that fail within specified warranty period.
  - 1. Product Warranty Period: 5-Year Workmanship Warranty covering replacement or repair of products that are defective in material or workmanship.
  - 2. Finish Warranty Period: Limited 30-year warranty for prefinished aluminum coated with Kynar-500, covering fade, chalk and film integrity.

## 10.9 DELIVERY, STORAGE, AND HANDLING

- A. Store materials in a dry, level, clean and well-ventilated location protected from weather, sunlight, and moisture according to manufacturer's written instructions.
  - 1. Store in a manner to prevent twisting, bending and rubbing.
  - 2. Do not store on ground.

## 1.10 PROJECT COORDINATION

- A. Coordinate installation of new gutters with work of other trades.
  - 1. Roofing Installation
  - 2. Exterior Painting

## PART 11 - PRODUCTS

### 11.1 MATERIALS

- A. Gutters: Seamless, continuous gutter, made from 3105-H24 aluminum, with end-caps to match.
  - 1. Profile: Residential "K style" profile
  - 2. Gauge: .027 gauge aluminum
  - 3. Size: 5"
  - 4. Lengths: As required to replace existing
  - 5. Finishes:
    - a. Exterior/Exposed Surfaces: Factory Kynar-500 Finish, Standard White
    - b. Interior Surfaces: Manufacturer's standard primer wash coat.

- B. Downspouts: Continuous corrugated downspout, with matching offsets and elbows as required
  - 1. Gauge: .019 gauge aluminum
  - 2. Size: 3" x 4"
  - 3. Lengths: As required to replace existing
  - 4. Finishes:
    - a. Exterior/Exposed Surfaces: Factory Kynar-500 Finish, Standard White
    - b. Interior Surfaces: Manufacturer's standard primer wash coat.
  
- C. Gutter Corners: Mitered Corners, lapped, sealed and riveted
  - 1. Corners shall extend a minimum of 12 inches from the corner in each direction.
  - 2. Lap joint and seal where connecting to continuous gutter.
  - 3. Match material, shape and finish of gutter.
  - 4. Install splash-guards at all inside corners.
  
- D. Strip Flashing: Made from 3105-H24 aluminum, finished to match gutters.
  
- E. Miscellaneous Accessories: All accessories to be finished from the same metal stock and finish as gutter and downspout. No post painting of product.
  - 1. Hidden Gutter Hanger: Manufacturer's standard aluminum hidden hanger
    - a. Space hangers no more than 36" on center.
    - b. Secure with #12 x 2" screws
  - 2. Downspout Strap: Downspout manufacturer's standard strap, 1" wide.
  - 3. Pop Rivets, Screws and Bolts: Zinc-coated with heads finished to match gutters.
    - a. Fasteners (nails and screws): Sufficient length to penetrate a minimum of 1 inch into substrate.
  - 4. Sealant: Tripolymer, single component sealant as recommended by gutter manufacturer.
  - 5. Downspout Strainer: Aluminum wire ball downspout strainer
  - 6. Splash Guards: Manufacturer's standard in finish to match gutters.
    - a. Height: 4"
    - b. Width: Extend 12" each way from corner.
  - 7. Splash Pans: Pre-cast concrete, 3000 psi at 28 days, with a minimum of 5 percent air entrapment. One per each downspout.
  
- F. Gutter Guards: E-Z Lock Regular Hole Gutter Screen, Snap-In Installation, .028 expanded galvanized powder-coated steel. Color: Black (or approved equal).

## PART 12 - EXECUTION

### 12.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
  - 1. Examine existing fascia and other areas to verify that they are sound, completely anchored, and suitable for fastening new gutters and downspouts.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory existing conditions have been corrected.

### 12.2 REMOVAL OF EXISTING GUTTER SYSTEM

- A. Remove all existing gutters, downspouts and fasteners.
- B. Verify that the mounting surface is dry, sound, clean and smooth.
- C. Patch all holes and cracks, or replace excessively damaged areas with new materials to match.
- D. Make sure mounting surface(s) have been thoroughly prepared and painted before installing new gutter system. Allow paint to dry completely.

### 12.3 FABRICATION

- A. General: Fabricate sheet aluminum work in accordance with Aluminum Association's Aluminum Sheet Metal Work in Building Construction.
- B. Form continuous, seamless gutters in profiles and sizes specified.
- C. Fabricate non-moving seams in aluminum with flat-lock seams. Seal with sealant.
- D. Fabricate gutter trough in continuous length as required for residential unit, to a maximum of 39'-0".
- E. Form gutter troughs into standard residential "K" profile.
- F. Hem exposed edges of metal.

### 12.4 INSTALLATION

- A. General: Install gutter system in accordance with SMACNA's gutter installation instructions.
  - 1. Install strip flashing between drip edge and back of gutter.
  - 2. Install gutters with a slope of 1/2" per 10 feet towards the downspouts.
    - a. Install gutters behind strip flashing.
  - 3. Install gutters with hidden gutter hangers, not more than 30" on center.
    - a. Lock the front of the bracket to the gutter edge and secure the other end to the fascia board with #12 x 2" screws.
    - b. Ensure all mating surfaces at mitered corners are secured with pop rivets and completely sealed on inside seams and over fasteners with sealant.
  - 4. Install endcaps with pop rivets and sealant.
    - a. Install endcaps at all gutter ends and wall abutments.

- b. Ensure all surfaces between mating pieces are completely sealed on inside seams and over fasteners.
- 5. Install gutter splash guards at all inside corners.
  - a. Ensure all mating surfaces are secured with pop rivets and completely sealed on inside seams and over fasteners with sealant.
- 6. Cut openings in gutter troughs to receive the downspouts. Opening to match downspout size. Install outlet pieces, and seal with sealant.
- 7. Install downspouts, including any offsets and elbows with top section fitting inside lower section.
  - a. Fasten downspouts to offsets and elbows with pop rivets and seal inside seams between mating surfaces with sealant.
  - b. Install downspouts plumb and true.
  - c. Install downspouts so that bottom elbow is 4 inches above ground.
  - d. Provide three downspout anchor straps per 10' section.
  - e. Anchor downspout within 8" of the top and bottom of the vertical section.
  - f. Fasten downspouts to straps with pop rivets.
- 8. Install new concrete splash block at each downspout, to direct water away from the foundation at least 5 feet from the foundation wall.
  - a. Downspouts should not discharge near entryways or sidewalks.
- 9. When work is completed, provide a water test to ensure there are no leaks and that all the water runs from the trough.

#### 12.5 CLEAN-UP

- A. At the end of each work day, remove and legally dispose of any and all debris created during gutter system removal and installation.
  - 1. Perform check for nails by use of magnetic device.
- B. Perform final check and removal of nails using magnetic device to ensure that all nails have been removed.

END OF SECTION 073113

### **SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL**

#### PART 13 - GENERAL

##### 13.1 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
  - 1. Disposing of nonhazardous demolition and construction waste.
  - 2. Hazardous waste is not expected to be encountered on this project.

## 13.2 DEFINITIONS

- A. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- B. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.
- C. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.

## 13.3 PERFORMANCE REQUIREMENTS

- A. General: Contractor will be responsible for the proper removal of all waste in a manner to comply with all applicable laws, rules and regulations. Contractor will preform all cleanup in and around site for any residue of waste created by contractor in his performance of work.

END OF SECTION 017419

## CONTRACT AGREEMENT

THIS AGREEMENT, made this \_\_\_\_\_ day of \_\_\_\_\_, 2020 by and between **Union County**, hereinafter called "COUNTY" and \_\_\_\_\_  
\_\_\_\_\_ doing business as a corporation in South Carolina, hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

The CONTRACTOR will commence work to Remove and Replace the Roof of the Old South State Bank Building at 203 West Main Street, Union, SC.

1. All work will be completed according to the terms and conditions of plans, specifications and bid documents for Union County project SSB 08-20-101. A copy of "Bid Document" is attached hereto and made a part of this contract in addition to other documents from the said bid package.
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the above project according to Bid Document,
3. The CONTRACTOR will commence the work required on this project as soon as possible , but no later than ten (10) days of the Notice to Proceed from Owner and will complete the same on within sixty (60) days unless the period for completion is extended otherwise in writing by the COUNTY.
4. The CONTRACTOR agrees to perform all of the construction described in the bid package including all addendums and comply with the terms therein for the sum of \_\_\_\_\_ **and No/100 Dollars** (\$\_\_\_\_\_ ) based Contractor price submitted on his Bid Form.
5. The COUNTY will pay to the CONTRACTOR at completion of construction and acceptance of all work.
6. This AGREEMENT shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.
7. The CONTRACTOR agrees that jurisdiction over any dispute arising under or in relation to the contract is vested in the Sixteenth Judicial Circuit with venue in the Union County Court of Common Pleas.

Signature page to follow:

SSB 08-20-101

*IN WITNESS WHEREOF*, the parties hereto have executed, or caused to be executed by their duly authorized officials, this AGREEMENT in three (3) copies, each of which shall be deemed an original on the date first above written.

CONTRACTOR:

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

WITNESS: \_\_\_\_\_

TITLE: \_\_\_\_\_

COUNTY:

BY: \_\_\_\_\_

TITLE: Union County Supervisor \_\_\_\_\_

WITNESS: \_\_\_\_\_

TITLE: \_\_\_\_\_

# **ATTACHMENT A**

## **Drawings**