



Georgetown County, South Carolina

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ADDENDUM #1 TO BID #24-045

BID NUMBER: 24-045

ISSUE DATE: Friday, July 26, 2024

(REVISED) OPENING DATE: Wednesday, August 14, 2024

(REVISED) OPENING TIME: 3:30 PM ET

Pre-Bid Conference/Site Inspection: VOLUNTARY-Thursday, July 18, 2024 at 9:00 AM ET – [CLOSED]

PROCUREMENT FOR: Georgetown County Roof Replacements & Repairs

This addendum will amend **BID #24-045, Georgetown County Roof Replacements & Repairs** originally issued on Thursday, July 11, 2024. This clarification is being provided to all known and registered correspondents in response to questions received. All addenda and original bid documents are also available online at: www.gtcounty.org, select “Bid Opportunities” from the Quick Links section.

On Thursday, July 18, 2024, Georgetown County Purchasing and Facility Services staff held a public pre-bid conference and site inspection for the Georgetown County Roof Replacements & Repairs project. Attached is a copy of the sign-in sheet from that meeting.

Question 1: Are you going to award different locations to different vendors based on price or all to one vendor?

Response: Depending on price, we hope to be able to award all bid items and alternates. We plan to award to one vendor with best overall total price for the base bid and alternates selected. Please refer to page 6, item 16. Evaluation & Award of the original bid document.

Question 2: Are we doing tear offs or recovers?

Response: The built-up roof at the Beck Office will be a tear off. The fiberglass mineral surfaced roll roofing locations will be recovers.

Question 3: Do you want the recovers mechanically installed with fasteners or glued down?

Response: Glue.

Question 4: Do you have any design drawings?

Response: None, except for what is attached for the new alternate item.

Question 5: Are the rusted dormers going or staying?

Response: Staying.

Question 6: For the flashing, is the wall panel metal? If yes, are we to weld those in?

Response: There is a knee wall against the Howard Auditorium. It is standard flashing. Seal/Flash wall to prevent leaks.

Question 7: For the Beck Office, the pipe beds are too short, should we be quoting with raising the pipe beds as part of the base bid?

Response: Yes, quote raising pipe beds as part of base bid.

Question 8: For the Beck Office gravel stop are we replacing or reusing? If replacing, what do you want it replaced with (material/gauge/counter flashings/etc.)?

Response: TPO roof, no gravel, stop/fold over with termination strip.

Question 9: Are we replacing all with TPO?

Response: Yes, all TPO.

Question 10: For the Library, what are we doing with the coping?

Response: Leave as is.

Question 11: For the Library, power pole, what do you want us to do with that?

Response: It's a photo cell for outside lights and it stays.

Question 12: There is a drip edge under the standing seam, how do you want us to handle that?

Response: Leave in place, flash under it.

Question 13: Can we schedule additional site visits for measurements after the pre-bid meeting?

Response: Yes, please reach out to Mr. Donny Cummings at cell phone #843-833-9349 or at dcummings@gtcounty.org in advance to schedule additional site visits.

Question 14: Do you have core samples?

Response: Attached are the pictures of the core samples that were taken during the pre-bid meeting site visit.

Question 15: There was some conversation about the Georgetown County Library roof type at the pre-bid meeting? Which is correct, is it fiber glass or built up?

Response: It is fiber glass roll roofing as listed in the original bid specifications, attachment A.

Question 16: Do you have an asbestos report? Will the bid date be extended for the asbestos test?

Response: The County is working on getting an asbestos inspection done for the built up roof. We anticipate receiving the report back soon and will issue an addendum with the report once we receive it. Therefore, the bid timeline has been pushed back accordingly.

Item	Date	Time	Location*
Advertised Date of Issue:	Thursday, July 11, 2024	n/a	n/a
Pre-Bid Conference & Site Inspections:	Thursday, July 18, 2024	9:00AM ET	Howard Auditorium†
(REVISED) Deadline for Questions:	Wednesday, August 7, 2024	3:30PM ET	n/a

(REVISED) Bids Must be Received on/or Before:	Wednesday, August 14, 2024	3:30PM ET	Electronic
(REVISED) Public Bid Opening & Tabulation:	Wednesday, August 14, 2024	3:30PM ET	Hybrid

Question 17: Is there a specific bid bond form for this project or can I use AIA A310?

Response: AIA form is fine.

Question 18: Reference the bid invitation #9 states “ The worksite shall be barricaded from the public at all times.” Can you define what the expectation is regarding this statement? Should the bidder be providing temporary fencing? scaffolding?

Response: As stated in item #9, the Contractor shall be responsible for the safety of the public, County personnel, their employees, and their sub-contractors. The Contractor will be solely liable for any damages that may result from the Contractor’s performance or lack of performance (such as prompt pick-up & removal of nails, etc.). It shall be left up to the Contractor to determine the methods and means for safety and also the security of equipment. The Contractor will be liable for the security and any loss/theft of all materials, supplies, and equipment.

Question 19: Assembly for each building is not made clear in the specifications. Should the bidder assume that the specifications are only meant to be used as a guideline for material & attachment methods? If so, would it also be safe to assume that the bidder should provide a roofing system that complies with these "general" guidelines?

Response: Yes.

Question 20: Please provide more clarity on which specific areas we should be including in our base bid regarding the Howard Gym Flashing.

Response: Flashing to prevent leaks on side and rear is for the existing between TPO and brick wall on first story roof. Then flash wall between the Gym and Auditorium (a 3 foot wall) to prevent leaks between TPO roof and metal wall.

Question 21: Howard Gym and Auditorium roof areas, the existing TPO installed on the half of the gym is recover over the existing Mod Bit roof system, using a High Density recover board, are we to bid the remaining roof areas as a re-cover over the existing Mod Bit of remove the existing Mod Bit roof system?.

Response: See question 2 response.

Question 22: Are these buildings to be roofed going to be awarded as one contract to one contractor or is the County going to award each to the responsible low bidder on each building to be roofed?

Response: See question 1 response.

Question 23: Will we need to submit separate bond for each bldg, bid bond, performance bond and payment bond?

Response: We would just need one bid bond of 5% for your total bid price. We will collect one performance & payment bond from the awarded Contractor for the total Contract amount.

Question 24: What is the lead time for AWARD, NTP, PRE-CON, ECT.?

Response: As soon as possible.

CHANGE: There is an additional Alternate #3 being added to the bid document for an overflow drain installation at the Georgetown County Historic Courthouse which is located at 129 Screven St., Georgetown, SC 29440. A summary of the work includes the fabrication and installation of sheet metal and related accessories associated with roofing membranes, providing physical protection to membrane, base flashings and membrane terminations. See the following pages for specifications and engineered drawings. Please make sure to use the below revised bid form for this bid.



BID FORM (REVISED 7/26/2024)

Bid #24-045

Georgetown County Roof Replacements & Repairs

MANDATORY BID SUBMISSION FORM

The undersigned, on behalf of the vendor, certifies that: (1) this bid is made without previous understanding, agreement or connection with any person, firm or corporation making a bid on the same project; (2) is in all respects fair and without collusion or fraud; (3) the person whose signature appears below is legally empowered to bind the firm in whose name the bid is entered; (4) they have read the complete Request for Bid and understand and accept all provisions; (5) if accepted by the County, this bid is guaranteed as written and amended and will be implemented as stated; and (6) mistakes in writing of the submitted bid will be their responsibility.

1. Name of Company submitting bid _____

2. BASE BID ITEMS:

<u>Facility</u>	<u>Total Per Facility</u>
Beck Office	\$
Georgetown Library	\$
Howard Gym	\$
Howard Gym-Flashing	\$
TOTAL BASE BID:	\$

3. ALTERNATE #1:

<u>Facility</u>	<u>Total</u>
Howard Auditorium	\$

4. ALTERNATE #2:

<u>Facility</u>	<u>Total</u>
Beck Gym	\$

5. ALTERNATE #3:

<u>Facility</u>	<u>Total</u>
Historic Courthouse	\$

6. **UNIT PRICING (To be used for change order purposes, if needed):**

a. Replacement of 3/4 in. x 4 ft. x 8 ft. plywood decking \$_____ per sheet (labor & material)

b. Cost of AC rooftop curb extension \$_____ per unit (labor & material)

If the AC rooftop curbs are less than 8 inches after new roof is installed, they will need to be raised to the minimum of 8 inches.

7. Bid cost must remain valid ninety (90) days from bid opening date.

8. Estimated number of days for mobilization after NTP/PO issued:_____

9. Estimated number of days for completion of all facilities:_____

10. Contact Address:_____

11. Contact Person _____

12. Telephone Number _____ Fax Number_____

13. E-Mail address _____

14. Remittance Address: _____

15. Accounting Contact _____

16. Telephone Number _____ Fax Number_____

17. E-Mail address _____

18. List a minimum of three (3) Customer References in the fields below, preferably Government/ Commercial. Please note: Georgetown County cannot be used as a reference.

Entity Name:	
Contact:	

Title:	
Street:	
City, State & Zip:	
Primary Telephone:	
Primary FAX:	
E-Mail Address:	
Brief Explanation of Relationship:	

Entity Name:	
Contact:	
Title:	
Street:	
City, State & Zip:	
Primary Telephone:	
Primary FAX:	
E-Mail Address:	
Brief Explanation of Relationship:	

Entity Name:	
Contact:	
Title:	
Street:	
City, State & Zip:	

Primary Telephone:	
Primary FAX:	
E-Mail Address:	
Brief Explanation of Relationship:	

19. Suspension and Debarment

Federal guidelines require grant recipients to obtain sufficient assurance that vendors are not suspended or debarred from participating in federal programs when contracts exceed \$25,000. By signing below you verify that no party to this agreement is excluded from receiving Federal contracts, certain subcontracts, and certain Federal financial and nonfinancial assistance and benefits, pursuant to the provisions of 31 U.S.C. 6101, note, E.O. 12549, E.O. 12689, 48 CFR 9.404, and each agency's codification of the Common Rule for Non-procurement suspension and debarment. [See <https://www.epls.gov/> for additional information.]

20. If the bid is accepted, the required Contract must be executed within fifteen (15) days after receipt of written notice of formal award of Contract.

21. Will you honor the submitted prices and terms for purchase by other departments within Georgetown County and/or by other government entities who participate in cooperative purchasing with Georgetown County, South Carolina?

Yes **No**

22. Acceptance of Invitation for Bid Content: The contents of the successful IFB/BID are included as if fully reproduced herein. Therefore, the selected contractor must be prepared to be bound by his/her proposal as submitted.

23. RENEWAL OF CONTRACT

The continuation of the terms, conditions, and provisions of any resulting contract beyond the fiscal year is subject to approval and ratification by the Georgetown County Council and appropriation by them of the necessary money to fund said contract for each succeeding year.

24. CERTIFICATION REGARDING DRUG-FREE WORKPLACE:

The undersigned certifies that the vendor listed below will provide a “drug-free workplace” as that term is defined in Section 44-107-30 of the Code of Laws of South Carolina, 1976, as amended, by the complying with the requirements set forth in title 44, Chapter 107.

Yes **No**

25. Any attempt by the vendor to influence the opinion of County Staff or County Council by discussion, promotion, advertising, misrepresentation of the submittal or purchasing process or any procedure to promote their offer will constitute a violation of the vendor submittal conditions and will cause the vendor's submittal to be declared null and void.
26. The lowest or any proposal will not necessarily be accepted and the County reserves the right to award any portion thereof. I/We, the undersigned, hereby confirm that all the above noted documents for Bid/Invitation for Bid No. 24-045 were received.
27. **ILLEGAL IMMIGRATION: Non-Construction (NOV. 2008):** (An overview is available at www.procurement.sc.gov) By signing your offer, you certify that you will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina Code of Laws and agree to provide to the State upon request any documentation required to establish either: (a) that Title 8, Chapter 14 is inapplicable to you and your subcontractors or sub-subcontractors; or (b) that you and your subcontractors or sub-subcontractors are in compliance with Title 8, Chapter 14. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony, and, upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." You agree to include in any contracts with your subcontractors language requiring your subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in their contracts with the sub-subcontractors language requiring the sub-subcontractors to comply with the applicable requirements of Title 8, Chapter 14. [07-7B097-1]

28.

<p><u>INFORMATION ONLY:</u></p> <p><input type="checkbox"/> Our company accepts VISA government procurement cards. If yes, list any upcharge for P-Card Payment? _____</p> <p><input type="checkbox"/> Our company does not accept VISA government procurement cards.</p>

29. Printed Name of person binding bid _____

30. Signature (X) _____

31. Date _____

NOTE: THE ENTIRE BID PACKET NEED NOT BE RETURNED. Thank you.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK.]

**SECTION 07 60 00
FLASHING AND SHEET METAL**

PART 1 - GENERAL

- 1.1 Summary: Includes the fabrication and installation of sheet metal and related accessories associated with roofing membranes, providing physical protection to membrane, base flashings and membrane terminations, as specified herein.
- 1.2 Related Work:
- 1.2.1 Facility Storm Drainage - Section 22 14 00
- 1.3 Environmental Conditions: Material installation shall proceed only when weather conditions are in compliance with the applicable manufacturer's recommendations for installation and no precipitation is imminent. Materials installed during adverse weather conditions shall be subject to removal and replacement with new materials at no additional cost to Owner.
- 1.4 Warranty: In accordance with Section 01 78 36 of this Specification.

PART 2 - PRODUCTS

- 2.1 Galvanized Steel: Copper structural quality galvanized steel Coating Class G-90, ASTM A653.
- 2.2 Aluminum: ASTM B209, minimum 0.040" thick.
- 2.3 Kynar 500-Based Finish: Shall be factory applied, oven-finish. Finish and primer shall be applied in strict accordance with the formulator's specifications and shall meet the performance criteria of AAMA 605.2-90 specification. Finish coat thickness shall be a minimum of 1.0 mil. Primer coat thickness shall be a minimum of 0.3 mil. Color to match the existing color to be selected by owner.
- 2.4 Solder: ASTM D32-66T with 50% lead and 50% tin unless otherwise specified. Follow manufacturer's recommended soldering procedures.
- 2.5 Minimum Acceptable Metal Weights (All metal to be finished with Kynar 500 coating, or approved equal prior to bid unless otherwise specified).
- | | |
|-----------------|---|
| Conductor Head: | 24-gauge galvanized steel or 0.040 aluminum |
| Downspout: | 24-gauge galvanized steel or 0.040 aluminum |

PART 3 - EXECUTION

- 3.1 General Installation Requirements:
- 3.1.1 Inspect all surfaces to which metal is to be applied. Do not install metal unless surfaces are even, sound, clean, dry and free from defects which might affect the application.
- 3.1.2 Follow recommendations of the National Roofing Contractors' Association (NRCA) and Sheet Metal and Air Conditioning Contractors National Association Architectural Sheet Metal Manual (7th Edition) for fabricating in-shop and on-site, and for installation, unless otherwise specified herein.

- 3.1.3 Follow published instructions of the product manufacturer for installation of extruded or proprietary metal products, unless otherwise specified herein.
- 3.1.4 Use nails, screws, bolts, cleats or other fasteners of the same material or of material chemically compatible with the contacted metal.
- 3.1.5 Fabricate cleats to be a minimum of one gauge heavier than fascia metal.
- 3.1.6 Do not place dissimilar metals in direct contact or in positions where water sheds across both metals.
- 3.1.7 Install metal to be water and weather tight with lines, arises and angles sharp and true and with paint surfaces free of waves and buckles.
- 3.1.8 Shop form all metal shapes, which are to be formed of prefinished metal, with protective plastic film in place. Do not remove plastic film until just prior to (or, if possible, after) installation.
- 3.1.9 Cleats: Cleats shall be secured with nails that penetrate the wood a minimum of 1 inch at spacings not to exceed 6 inches on center. Nails shall be applied along the vertical face of the wood blocking and located approximately 1-3/4-inch from the bottom of the cleat. Metal flashing drip legs shall be fold snugly over the cleat.

3.2 Conductor Head Installation

- 3.2.1 Furnish and install new conductors at all overflow drain outlet locations. Refer to SMACNA Architectural Sheet Metal Manual Figure No. 1-27A and Drawings. The conductor shall be fabricated with overflow openings.
- 3.2.2 Size the conductor in accordance with the following requirements:
 - Face Width: 4 times downspout width
 - Face Depth: 2 times downspout width
 - Height: 4 times downspout width
- 3.2.3 Sealant shall be applied between all lapped joints. The application of caulk at lapped joints after sections are joined is not acceptable.
- 3.2.4 Secure conductor head to the wall with a minimum of 3 equally spaced specified fasteners near the top corners. Outside edges of the drain outlet nozzle shall be set in sealant and locked onto the back of the conductor a minimum of one inch.
- 3.2.5 The outlet tube shall be fabricated to extend into the downspout a minimum of 4 inches.

3.3 Downspout Installation

- 3.3.1 Form new downspouts from 24-gauge galvanized steel with Kynar 500 finish or approved equal. Refer to SMACNA Architectural Sheet Metal Manual Figure No. 1-32B and 1-32F.
- 3.3.2 Downspouts be box-style and shall be a minimum of 3.75" x 4.75", unless otherwise specified.

- 3.3.3 Lap sections a minimum of 3 inches and secure sections with a minimum of 2 stainless steel sheet metal screws.
- 3.3.4 Form 45° elbow where water discharges onto the ground.
- 3.3.5 Form downspout hangers from the same material as downspouts using material not less than 2 gauges heavier than downspouts. Secure downspouts to wall with hangers spaced not more than 5 feet on center. Refer to SMACNA Architectural Sheet Metal Manual Figure 1-35G. Apply one coat of metal primer and two coats of field-grade Kynar 500 paint to all hangers. Color shall match the downspouts.
- 3.3.6 Furnish and install new concrete splash blocks where water discharges onto grounds. Refer to SMACNA Architectural Sheet Metal Manual Figure No.1- 36.

END OF SECTION

**SECTION 22 14 00
FACILITY STORM DRAINAGE****PART 1 - GENERAL**

1.1 Summary:

- 1.1.1 Includes the installation of new overflow roof drains and associated piping at location shown on Drawings, as specified herein.

1.2 Related Work:

- 1.2.1 Flashing and Sheet Metal – Section 07 60 00

1.3 References:

- 1.3.1 ASME A112.6.4 – Standard Specification for Roof, Deck, and Balcony Drains.
- 1.3.2 ASTM C564 – Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings.
- 1.3.3 ASTM A888 - Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications
- 1.3.4 ASTM C1277 – Standard Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings.
- 1.3.5 Manufacturers Standardization Society SP-58-2009 – Pipe Hangers and Supports – Materials, Design, Manufacture, Selection, Application, and Installation.

1.4 Submittals:

- 1.4.1 Product Data: Manufacturer’s data sheets on each product to be used, including:

- 1.4.1.1 Preparation instructions and recommendations
- 1.4.1.2 Storage and handling requirements and recommendations
- 1.4.1.3 Installation methods

- 1.4.2 Shop Drawings: Plans and details of entire overflow drainage layout, showing drains, leaders, hangers, anchors, fittings, and evidence of compliance with structural performance requirements including sizes and part identification.

- 1.4.2.1 Include system layout, design analysis, and calculations prepared and sealed by a Registered Professional Designer licensed in the State where the project is located.
- 1.4.2.2 Include data regarding installation and rigging as well as all necessary Restrictive and Non-Restrictive General Safety and Usage Notes.

- 1.4.3 Operation and Maintenance Data:

- 1.4.3.1 Include parts catalog with complete list of equipment replacement parts; identify each entry with equipments descriptions and identifying part numbers.
- 1.4.3.2 Include technical information for servicing equipment.

- 1.4.4 Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- 1.4.5 Close-out Submittals: Provide manufacturer's maintenance instructions that include recommendations for inspection frequency, periodic checking and adjustment of hangers/anchors, and other periodic cleaning and maintenance of all components.
- 1.5 Quality Assurance:
 - 1.5.1 Manufacturer Qualifications: Work of this Section to be executed by manufacturers specializing in the fabrication of the materials specified. Manufacturer shall have a minimum of 10 years of continuous, concurrent experience providing specified materials including the current year.
 - 1.5.2 Installer Qualifications: Work associated with the installation of new drains, drain leaders, and piping shall be performed by a plumbing contractor licensed to perform such work in-the state of South Carolina and shall have a minimum of 5 years of experience in this type of work.
- 1.6 Environmental Conditions: Material installation shall proceed only when weather conditions are in compliance with the applicable manufacturer's recommendations for installation and no precipitation is imminent. Materials shall not be installed when ambient temperature is below 40 degrees or above 110 degrees Fahrenheit. Materials installed during adverse weather conditions shall be subject to removal and replacement with new materials at no additional cost to Owner.
- 1.7 Warranty: Refer to Section 01 78 36 of the specification.

PART 2 – PRODUCTS

- 2.1 Roof Drains:
 - 2.1.1 Overflow Roof Drains: Minimum 5" diameter, Cast-Iron, General-Purpose Roof Drains as manufactured by one of the following:
 - 2.1.1.1 Zurn Plumbing Products Group (Basis of Design)
 - 2.1.1.2 Josam Company.
 - 2.1.1.3 Smith, Jay R. Mfg. Co.
 - 2.1.2 ASME A112.6.4, for general-purpose roof drains.
 - 2.1.3 Cast Iron Body.
 - 2.1.4 Nominal 15-inch diameter.
 - 2.1.5 Combination Flashing Ring and Gravel Stop,
 - 2.1.6 Static Extension
 - 2.1.7 Adjustable Extension
 - 2.1.8 Bottom Outlet. No Hub Connection
 - 2.1.9 Under-deck Clamp.
 - 2.1.10 Flat Receiver Plate

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- 2.1.11 Aluminum Dome
 - 2.1.12 Two (2) inch Water Dam
 - 2.1.13 No-Hub Coupling
 - 2.1.13.1 6-band, No-Hub coupling meeting ASTM C1277. Coupling gaskets meeting ASTM C564. Model MD-55 as manufactured by Fernco Incorporated, or approved equal prior to bid.
 - (a) For use connecting drains to leaders greater than or equal to 5-inches in diameter.
 - (b) For use connecting piping greater than or equal to 5-inches in diameter.
- 2.2 Cast Iron Piping and Accessories:
- 2.2.1 Cast Iron Drain, Waste, Vent (DWV) Piping and Fitting with integral flow sweeps: ASTM A888, CISP Standard 301. Cast Iron DWV Pipe/Fittings System as manufactured by Charlotte Pipe and Foundry, or approved equal prior to bid.
 - 2.2.1.1 Diameter to match piping, as necessary.
- 2.3 Pipe Hangers, Anchors, and Accessories:
- 2.3.1 Clevis Hanger: MSS-SP-58-2009, Type 1; hot-dip galvanized steel, felt lined, clevis hanger allowing for vertical adjustment of stationary, non-insulated pipe. Minimum design load of 1,940 pounds. Use in conjunction with 3/4" diameter threaded rod. B3100F, as manufactured by Cooper B-Line, or approved equal prior to bid.
 - 2.3.1.1 Hanger shall fit snugly to bottom have of the perimeter of the pipe. Pipe hangers oversized or undersized shall be grounds for rejection.
 - 2.3.2 Pipe Anchor: MSS-SP-58-2009, Type 4; Hot dipped galvanized steel pipe clamp designed to suspend pipe. Minimum design load of 1,615 pounds at 650 degree Fahrenheit. Use in conjunction with weldless eye bolt. B3140, as manufactured by Cooper B-Line, or approved equal prior to base bid.
 - 2.3.2.1 Clamps shall fit snugly to the perimeter of the pipe. Pipe hangers oversized or undersized shall be grounds for rejection.
 - 2.3.3 Threaded Rod: Electro-plated steel threaded rod designed for use with pipe hanger and clamp systems. 3/4 minimum diameter of threaded rod, as recommended by the approved pipe hanger system manufacturer. Standard threaded length of 3 inches. Design load of 3,230 pounds at 650 degrees Fahrenheit. B3205-3/4", as manufactured by Cooper B-Line, or approved equal prior to bid.
 - 2.3.3.1 At any locations where multiple threaded rods are required, the contractor shall join sections with a forged steel, electro-plated finished turnbuckle as recommended by the approved pipe hanger system manufacturer. Design load of 3,230 pounds at 650 degrees Fahrenheit, B3202-3/4", as manufactured by Cooper B-Line, or approved equal prior to bid.
 - 2.3.4 Weldless Eye Bolts: Electro-plated forged steel weldless eye bolt designed for use with pipe clamp systems. For use with 3/4" minimum diameter threaded rod, as recommended by the approved pipe clamp system manufacturer. Design load of 3,230 pounds at 650 degrees Fahrenheit. B3200-3/4", as manufactured by Cooper B-Line, or approved equal prior to bid.

- 2.3.5 Beam Clamp: MSS-SP-58-2009, Type 19 & 23, hot-dipped galvanized clamp. For use with 3/4" minimum diameter threaded rod, as recommended by the approved pipe clamp system manufacturer. Design load 1,400 pounds. B3033-3/4, as manufactured by Cooper B-Line, or approved equal prior to bid.

PART 3 – EXECUTION

3.1 Installation:

- 3.1.1 Inspect all surfaces to which drainage system is to be applied. Do not install unless surfaces are even, sound, clean, dry and free from defects which might affect the application.
- 3.1.2 Examine project prior to installation and report in writing to Owner and Designer any defects or other site conditions that would cause problematic installation products or possible deficiency.
- 3.1.3 Follow published instructions of the product manufacturer for installation of extruded or proprietary metal products, unless otherwise specified herein.
- 3.1.4 Use nails, screws, bolts, cleats or other fasteners as recommended by the approved drainage system manufacturer.
- 3.1.5 Changes to pipe in size or direction shall be made with pre-manufactured fittings.
- 3.1.6 Contractor shall furnish and install temporary protection for interior work in accordance with appropriate section of the specification.
- 3.1.7 Furnish and install new cast iron overflow roof drains with flat drain receivers, aluminum dome strainers, and under-deck clamps at locations shown on plans.
- 3.1.7.1 Cut the the roof deck neatly so that the new overflow drains can be installed.
- 3.1.7.2 Install flat drain receivers to the top flat portion of the deck. Fasten the receivers with Tek 5 screws through the top flat portion of the deck, approximately 1" from the edge of the pan. Fasteners shall penetrate through the decking a minimum of 3/4 inches.
- 3.1.7.3 Set the height of the drain bowl so that the top of the bowl matches the height of the surrounding insulation using both static and adjustable extensions, as necessary. Install extensions in accordance with manufacturer recommendations.
- 3.1.7.4 Connect the drain bowl to the drain leaders using a 6-band no-hub clamp. Refer to Drawing No. A-301.

3.2 New Overflow Drain Horizontal Piping Installation:

- 3.2.1 Furnish and install new cast iron pipe as shown on plans and approved shop drawings. Pipes shall maintain a minimum slope of 1/8" per foot to provide a gravity flow to existing piping.
- 3.2.2 Install pipe with minimum 6" diameter.
- 3.2.3 In accordance with South Carolina plumbing code, furnish and install a cleanout at the upstream end of the new pipe.
- 3.2.3.1 At the pipe end, cleanouts shall be a combination wye with a bend where an adapter and raised nut cleanout plug is applied at the end of the flange. Connect the adapter to the wye with a minimum 6-band, no hub clamp.

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- 3.2.4 Cut pipe sections square with the axis using a snap cutter or other method approved by the approved pipe manufacturer. Cut pipe a minimum of 2 inches from damaged or rusted areas.
- 3.2.5 Clean pipe, couplings, and pipe fittings of all oils, greases, foreign debris, or other containments that may interfere with the bonding process.
- 3.2.6 Apply the coupling to the first section pipe, extending the pipe to a depth of half the coupling. Set the pipe perimeter in a solid bead of water cut-off mastic.
- 3.2.7 Insert the second pipe section into the coupling and lightly press the two pipe sections together. While one person is pressing the pipes together, a second person shall tighten the coupling in accordance with the coupling manufacturer recommendations.
- 3.2.8 Continue this process to construct the new overflow drain line.
- 3.2.9 Where the new pipe ends, install a new cleanout that shall be a wye with the stem facing up and an adapter and raised nut cleanout plug at the wye stem. This shall be the end of the new pipe and the new cleanout wye flange shall connect to the new cast iron wye flange.
- 3.2.10 Where the new pipe intersects the vertical pipe at the overflow drain, furnish and install a new combination wye with a bend to connect the vertical and horizontal pipes.
- 3.2.11 Join the vertical leg of cast iron pipe, and the horizontal leg of the cast iron pipe to the wye using 6-band, no-hub clamps and water cut-off mastic as described above.
- 3.2.12 Adhere to manufacturer recommendations regarding cold weather and hot weather application of components.
- 3.3 Horizontal Pipe Hangers and Anchors:
- 3.3.1 Furnish and install new pipe hangers as shown on plans and approved shop drawings. Pipes shall maintain a minimum slope of 1/8" per foot to provide a gravity flow to the exterior of the building.
- 3.3.2 Apply clevis hangers at spacings not to exceed 10 feet on-center, however, utilize a minimum of four (4) equally spaced clevis hangers. Utilize threaded rod, locking nuts and washers, and beam clamps with clevis hangers. Install clevis hanger assembly in accordance with approved system manufacturer recommendations. Refer to Drawing A-308.
- 3.3.3 Attach beam clamps to the bottom flange of structural members.
- 3.3.4 Adjust and leave properly functioning equipment. Ensure that hangers promote pipe slope and that the hangers are snug to the pipe.
- 3.3.5 Apply pipe clamps (anchors) within 12 inches of the new overflow drain and 12 inches of the end of the new pipe. Utilize threaded rod, weldless eye bolts, locking nuts and washers, and beam clamps with pipe clamps (anchors). Adjust and leave properly functioning equipment. Ensure that clamps promote pipe slope and that the clamps are tight to the pipe. Install pipe clamp (anchor) assembly in accordance with approved system manufacturer recommendations. Refer to Drawing A-308.
- 3.3.6 Adjust lengths of threaded rod to maintain proper slope requirements listed in this specification to ensure water flow to the exterior of the building.

3.3.7 At any location where threaded rod must be extended, utilize additional threaded rod and turnbuckles. Apply turnbuckles and additional threaded rod in accordance with suspension system manufacturer recommendations.

3.4 Operations and Cleaning:

3.4.1 Ensure that all lines, drains, and other overflow drainage system components are clean and clear of debris at the time of final acceptance by the Owner.

3.4.2 The Contractor shall water test all drains new overflow drains lines prior to the final acceptance by the Owner.

3.4.3 Water shall be applied to each overflow drain using a spray nozzle in accordance with AAMA 501.2 for a minimum of 15 minutes. The Owner will supply water and electricity, and the Contractor shall provide any other necessary items to perform the test, including hoses, spray nozzles, and water pumps.

3.4.4 The cost for any repairs or adjustments required to any new overflow drainage system component as a result of a failed water test due to leaking, including the overflow drain or connections to existing piping shall be borne by the Contractor at no additional cost to the Owner.

3.4.5 The cost for any repairs or adjustments required to the new overflow drainage line as a result of improper gravity flow, including the overflow drains, connections, piping, hangers, anchors, pipe connections, pipe expansion joints, or any other component of the overflow drainage system, shall be borne by the Contractor at no additional cost to the Owner.

END OF SECTION

BECK CORE SAMPLE PHOTOS





HOWARD CORE SAMPLE PHOTOS



LIBRARY CORE SAMPLE PHOTOS



(Library Continued)



Pre-Bid Conference (Voluntary)



Bid # 24-045, Georgetown County Roof Replacements & Repairs

Thursday, July 18, 2024 at 9:00 AM Eastern NIST

PLEASE PRINT CLEARLY

No.	Company Name	Representative's Name	Email	Phone Number	GC or Sub?
1.	Southern Roofing	Mark Waldron	mark@southernroofing.com	803-236-4400	GC
2.	DACH Enterprises	Dan Hamner	DAN.HAMNER@yahoo.com	843-364-4279	GC
3.	B & B Commercial Roofing	Greg Benton	BBCOMMERCIALROOFING@gmail.com	843-496-0004	GC
4.	ARC, Inc.	Kevin Mason	info@arcincorporated.org	843-357-1713	GC
5.	CMJ Roofing	Andrew Sutton	asutton@cmsofsc.com	803-760-9949	GC
6.	Bone Dry Roofing	Levi Long	llong@bonedryroofing.net	843-509-0851	GC
7.	Porter Roofing	Tim Veigel	tim.veigel@porter-roofing.com	615-501-4482	GC
8.	NATIONS Roof Roofing USA	Joseph Lamaghtia	JLAMAGHTIA@NATIONSROOF.COM	704-840-8853	GC
9.	Monarch Roofing	John Currier	John@MonarchRoofing.biz	(843) 618-7663	(GC)
10.	DLT Roofing	Brian Myers	David@dltroofing.com	919.334.7955	GC
11.	FES Roofing	Will Schomacher	William@IESRoofing.com	864-987-0459	GC
12.	Spann Roofing	Kenny Brice	Kbrice@spannroofing.com	843-246-8983	GC
13.	GARONER ROOFING	TODD WILKINSON	TODD@GARONARROOFING.COM	843-307-5402	GC
14.	ATD Roofing	David Wright	Dawright@ATDRoofing.com	844-887-8600	GC
15.	ESKOLA ROOFING	Will Forte	WFORTE@ESKOLAROOFINB.COM	803/903-2640	GC
16.	ARS Roofing	Dillon Wilson	dwilson@ars-roofing.com	704-577-9226	GC
17.	Donny Cummings FS	Donny Cummings	dcummings@stcounty.org	843-833-9349	
18.	Gary Davis FS	Gary Davis	gdavis@stcounty.org	843-503-6307	
19.	Rob Burriss FS	Rob Burriss	rburriss@stcounty.org	843-456-6239	

No.	Company Name	Representative's Name	Email	Phone Number	GC or Sub?
21.	Rike Roofing	Adam Petersen	adam@RikeRoofing.com	803 833 2296	GC
22.	Land Roofing Co	Terry Lance	Landroofingcompany@gmail.com	803-968-7200	GC
23.	JW Contractors LLC	John-Paul Wilkins	carolinaCorp@jhw.com	845289-0991	GC
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ADDENDUM ACKNOWLEDGEMENT

BID #24-045

Georgetown County Roof Replacements & Repairs Mandatory Submittal Form

To be returned with the final proposal submission to Georgetown County.

COMPANY NAME: _____

- Addendum #1 Received Date: _____ Initialed By: _____
- Addendum #2 Received Date: _____ Initialed By: _____
- Addendum #3 Received Date: _____ Initialed By: _____
- Addendum #4 Received Date: _____ Initialed By: _____
- Addendum #5 Received Date: _____ Initialed By: _____
- Addendum #6 Received Date: _____ Initialed By: _____