January 27, 2020

TO: Planholders

RE: BID NO. 4-CE-18-005
Site Improvements and Interior Renovations at Chester County DSS Building
Chester County, SC
Amendment 02

Prospective Bidders:

The following will amend, modify, and/or clarify the bid documents described above and are hereby part of the same. Please make all necessary corrections.

Please Note: Bid opening date and time remains Thursday, February 6, 2020 at 2:00 PM. Bids are to be delivered to the Chester County Office of Procurement located at 1476 J.A. Cochran Bypass, Chester, South Carolina 29706. Deadline for questions remains Thursday, January 30, 2020 at 5:00 PM.

Below are clarifications issued via submitted questions:

1. Q: Per the pre-bid meeting, bidders were informed the existing roofing and time were to be removed and replaced. Please confirm this is necessary as the drawings and bid documents do not reflect this. Can you please provide specifications for the new roofing system?
   A: **Roof will be TPO and will be added to the scope of work as an addendum. Please see the attached roofing specifications for the project.**

2. Q: Are there any hazardous materials present within the facility (ex: asbestos, lead based paint, pcb’s)? Is there an environmental report available?
   A: **Due to the fact that renovations have been completed within the last 15 years, hazardous materials are not anticipated to exist within the project limits and an environmental study has not been performed as part of this project. However, because it is possible that suspect materials may be encountered, the bid form has been revised to itemize these costs as separate allowances (Hazardous Materials Study and Hazardous Materials Abatement) in the event that they are required. Please utilize the revised bid form attached when submitting your bid.**
Thank you for your interest in this project and good luck.

Sincerely,

Matt Hines, PE
Dennis Corporation
1800 Huger Street
Columbia, SC 29201
803-227-8558
Attachments: Roofing Specification for the roof replacement
             Revised Bid Form

cc: Susan Cok, Chester County
    File
PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Existing roofing membrane preparation for new roofing membrane system installation.

B. Existing Roofing System: TPO. System components include:
   1. Aggregate ballast (partial).
   2. TPO Roofing membrane.
   3. Roof insulation.
   4. Vapor retarder.
   5. Substrate board.

1.2 RELATED REQUIREMENTS

A. New Roofing System: Section 07 54 23, THERMOPLASTIC POLYOLEFIN (TPO) ROOFING.

1.3 APPLICABLE PUBLICATIONS

A. Comply with references to extent specified in this section.


C. American Society for Nondestructive Testing (ASNT):
   1. SNT-TC-1A - Personnel Qualification and Certification for Nondestructive Testing.

D. ASTM International (ASTM):

1.4 PREINSTALLATION MEETINGS

A. Conduct preinstallation meeting minimum 30 days before beginning Work of this section.

   1. Required Participants:
      a. Owner’s Representative.
      b. Inspection and Testing Agency.
      c. Contractor.
      d. Installer.
      e. Other installers responsible for adjacent and intersecting work.
2. Meeting Agenda: Distribute agenda to participants minimum 3 days before meeting.
   a. Removal and installation schedule.
   b. Removal and installation sequence.
   c. Preparatory work.
   d. Protection before, during, and after installation.
   e. Removal and installation.
   f. Transitions and connections to other work.
   g. Inspecting and testing.
   h. Other items affecting successful completion.
3. Document and distribute meeting minutes to participants to record decisions affecting installation.

1.5 SUBMITTALS
   A. Submittal Drawings:
      1. Show size, configuration, and installation details.
   B. Manufacturer's Literature and Data:
      1. Description of each product.
      2. List of patching materials.
   C. Photographs: Document existing conditions potentially affected by roofing operations before work begins.

1.6 QUALITY ASSURANCE
   A. Installer Qualifications:
      1. Same installer as Section 07 54 23, THERMOPLASTIC POLYOLEFIN (TPO) ROOFING.

1.7 FIELD CONDITIONS
   A. Building Occupancy: Perform work to minimize disruption to normal building operations.
      1. Verify occupants are evacuated from affected building areas when working on structurally impaired roof decking above occupied areas.
      2. Provide notice minimum 72 hours before beginning activities affecting normal building operations.
   B. Weather Limitations: Proceed with reroofing preparation only during dry weather conditions as specified for new roofing installation in Section 07 54 23, THERMOPLASTIC POLYOLEFIN (TPO) ROOFING.
      1. Remove only as much roofing in one day as can be made watertight in same day.
   C. Hazardous materials are not expected in existing roofing system.
1. Do not disturb suspected hazardous materials. When discovered, notify Owner’s Representative.
2. Hazardous materials discovered during execution of the work will be removed as work of a contract modification or a separate contract.

1.8 WARRANTY
A. Construction Warranty: In accordance with Contract requirements.

PART 2 – PRODUCTS

2.1 MATERIALS
A. Patching Materials: Match existing roofing system materials.
B. Temporary Roofing System Materials: Contractor's option.
C. Recover Board: One of the following:
   1. Insulation: See Section 07 22 00, ROOF AND DECK INSULATION.
D. Fasteners: Type and size required by roof membrane manufacturer to resist wind uplift.

PART 3 – EXECUTION

3.1 PREPARATION
A. Examine and verify substrate suitability for product installation.
B. Protect existing roofing system indicated to remain.
   1. Cover roof membrane with temporary protection materials without impeding drainage.
   2. Limit traffic and material storage to protected areas.
   3. Maintain temporary protection until replacement roofing is completed.
C. Protect existing construction and completed work from damage.
D. Protect landscaping from damage.
E. Maintain access to existing walkways and adjacent occupied facilities.
F. Coordinate use of rooftop fresh air intakes with Owner’s Representative to minimize effect on indoor air quality.
G. Ensure temporary protection materials are available for immediate use in case of unexpected rain.
H. Ensure roof drainage remains functional.
   1. Keep drainage systems clear of debris.
   2. Prevent water from entering building and existing roofing system.
I. Coordinate rooftop utilities remaining active during roofing work with Owner's Representative.
3.2 **RE-ROOFING PREPARATION - GENERAL**
   A. Notify Owner's Representative of planned operations, daily.
      1. Identify location and extent of roofing removal.
      2. Request authorization to proceed.

3.3 **OVERBURDEN REMOVAL**
   A. Remove and dispose aggregate ballast.

3.4 **EXISTING MEMBRANE PREPARATION FOR NEW ROOFING**
   A. Remove existing roofing surface projections and irregularities. Produce smooth surface to receive recover boards.
      1. Broom clean existing surface.

3.5 **BASE FLASHING REMOVAL**
   A. Expose base flashings to permit removal.
      1. Two-Piece Counterflashings: Remove cap flashing and store for reuse.
      2. Single Piece Counterflashings: Carefully bend counterflashing.
      3. Metal Copings: Remove decorative cap and store for reuse.
   B. Remove existing base flashings.
      1. Clean substrates to receive new flashings.
   C. Replace counterflashings damaged during removal.

3.6 **DISPOSAL**
   A. Collect waste materials in containers.
   B. Remove waste materials from project site, regularly, to prevent accumulation.
   C. Legally dispose of waste materials.

--- END ---
SECTION 07 22 00  
ROOF AND DECK INSULATION

PART 1 - GENERAL

1.1 SUMMARY
A. Section Includes:
B. Roof and deck insulation substrates ready to receive roofing or waterproofing membrane.
C. Repairs and alteration work to existing roof insulation.

1.2 APPLICABLE PUBLICATIONS
A. Comply with references to extent specified in this section.
B. American Society of Heating, Refrigeration and Air Conditioning (ASHRAE):
C. ASTM International (ASTM):
D. National Roofing Contractors Association (NRCA):

1.3 SUBMITTALS
A. Submittal Drawings:
   1. Show size, configuration, and installation details.
      a. Nailers, cants, and terminations.
      b. Layout of insulation showing slopes, tapers, penetrations, and edge conditions.
B. Manufacturer's Literature and Data:
   1. Description of each product.
C. Samples:
   1. Roof insulation, each type.
   2. Fasteners, each type.
D. Qualifications: Substantiate qualifications meet specifications.
   1. Installer.

1.4 QUALITY ASSURANCE
A. Installer Qualifications: Same installer as Division 07 roofing section installer.
1.5 DELIVERY
   A. Comply with recommendations of NRCA Manual.
   B. Deliver products in manufacturer's original sealed packaging.
   C. Mark packaging, legibly. Indicate manufacturer's name or brand, type, and manufacture date.
   D. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

1.6 STORAGE AND HANDLING
   A. Comply with recommendations of NRCA Manual.
   B. Store products indoors in dry, weathertight facility.
   C. Protect products from damage during handling and construction operations.

1.7 FIELD CONDITIONS
   A. Environment:
      1. Install products when existing and forecasted weather permit installation according to manufacturer's instructions.

1.8 WARRANTY
   A. Construction Warranty: In accordance with Contract requirements.
   B. Manufacturer's Warranty: Warrant insulation against material and manufacturing defects as part of Division 07 roofing system warranty.

PART 2 - PRODUCTS

2.1 SYSTEM PERFORMANCE
   A. Insulation Thermal Performance:
      1. Overall Average R-Value: RSI-57 (R-33), minimum.
      2. Any Location R-Value: RSI-17 (R-10), minimum.
   B. Fire and Wind Uplift Resistance: Provide roof insulation complying with requirements specified in Division 07 roofing section.

2.2 PRODUCTS - GENERAL
   A. Provide each product from one manufacturer.

2.3 ROOF AND DECK INSULATION
   A. Roof and Deck Insulation, General: Preformed roof insulation boards approved by roofing manufacturer.
   B. Polyisocyanurate Board Insulation (1-1/2" thick): ASTM C1289, Type II, Class 1, Grade 2, faced with glass fiber reinforced cellulosic felt facers on both major surfaces of the core foam.
2.4 INSULATION ACCESSORIES
A. Glass (Felt): ASTM D2178/D2178M, Type VI, heavy duty ply sheet.
B. Cants and Tapered Edge Strips:
   1. Insulation Cant Strips: ASTM C208, Type II, Grade 1, cellulosic-fiber insulation board.

2.5 ACCESSORIES
A. Fasteners: Corrosion-resistant carbon steel fasteners and galvalume-coated steel or plastic round plates for fastening insulation to roof deck.
B. Nails: ASTM F1667; type to suit application.

PART 3 - EXECUTION

3.1 EXAMINATION
A. Comply with requirements of Division 07 roofing section.

3.2 PREPARATION
A. Examine and verify substrate suitability for product installation.
B. Protect existing construction and completed work from damage.

3.3 INSTALLATION - GENERAL
A. Install products according to manufacturer's instructions.
   1. When manufacturer's instructions deviate from specifications, submit proposed resolution for consideration.

3.4 INSULATION INSTALLATION
A. Insulation Installation, General:
   1. Cant Strips: Install preformed insulation cant strips at junctures of roofing system with vertical construction.
   2. Use same insulation as existing for roof repair and alterations unless specified otherwise.
B. Insulation Thickness:
   1. Thickness of roof insulation as specified is nominal. Provide thickness required to comply with specified thermal performance.
C. Lay insulating units with close joints, in regular courses and with end joints staggered.
   1. Stagger joints between layers minimum 150 mm (6 inches).
D. Lay units with long dimension perpendicular to the rolled (longitudinal) direction of the roofing felt.
E. Cut to fit tightly against blocking or penetrations.
F. Cover all insulation installed on the same day; comply with temporary protection requirements of Division 07 roofing section.

G. Installation Method:
   1. Mechanically Fastened Insulation:
      a. Fasten insulation according to requirements in Division 07 roofing section.
      b. Fasten insulation to resist uplift pressures specified in Division 07 roofing section.

   -- END --
PART 1 - GENERAL

1.1 SUMMARY
   A. Section Includes:
      1. Thermoplastic Polyolefin (TPO) sheet roofing // adhered //
         mechanically fastened // to roof deck.

1.2 RELATED REQUIREMENTS
   A. Preparation of Existing Membrane Roofs and Repair Areas: Section
      07 01 50.19, PREPARATION FOR REROOFING.
   B. Roof Insulation: Section 07 22 00, ROOF AND DECK INSULATION.

1.3 APPLICABLE PUBLICATIONS
   A. Comply with references to extent specified in this section.
   B. American National Standards Institute/Single-Ply Roofing Institute
      (ANSI/SPRI):
      1. FX-1-01(R2006) - Standard Field Test Procedure for Determining the
         Withdrawal Resistance of Roofing Fasteners.
   C. American Society of Civil Engineers/Structural Engineering Institute
      (ASCE/SEI):
   D. American Society of Heating, Refrigerating and Air-Conditioning
      Engineers, Inc. (ASHRAE):
      1. 90.1-13 - Energy Standard for Buildings Except Low-Rise Residential
         Buildings.
   E. National Roofing Contractors Association (NRCA):

1.4 PREINSTALLATION MEETINGS
   A. Refer to Section 07 01 50.19, PREPARATION FOR REROOFING.

1.5 SUBMITTALS
   A. Submittal Drawings:
      1. Roof membrane layout.
      2. Roofing membrane fastener pattern and spacing.
      3. Roofing membrane seaming and joint details.
      4. Roof membrane penetration details.
      5. Base flashing and termination details.
   B. Manufacturer's Literature and Data:
1. Description of each product.
2. Minimum fastener pullout resistance.
3. Installation instructions.
4. Warranty.

C. Samples:
1. Roofing Membrane: 150 mm (6 inch) square.
2. Fasteners: Each type.
3. Roofing Membrane Seam: 300 mm (12 inches) square.

D. Qualifications: Substantiate qualifications comply with specifications.
1. Installer, including supervisors with project experience list.

E. Field quality control reports.

F. Temporary protection plan. Include list of proposed temporary materials.

G. Operation and Maintenance Data:
1. Maintenance instructions.

1.6 QUALITY ASSURANCE

A. Installer Qualifications:
1. Approved by roofing system manufacturer as installer for roofing system with specified warranty.
2. Regularly installs specified products.
3. Installed specified products with satisfactory service on five similar installations for minimum five years.
   a. Project Experience List: Provide contact names and addresses for completed projects.
4. Employs full-time supervisors experienced installing specified system and able to communicate with Owner's Representative and installer's personnel.

1.7 DELIVERY

A. Deliver products in manufacturer's original sealed packaging.
B. Mark packaging, legibly. Indicate manufacturer's name or brand, type, and manufacture date.
C. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

1.8 STORAGE AND HANDLING

A. Comply with NRCA Manual storage and handling requirements.
B. Store products indoors in dry, weathertight facility.
C. Store adhesives according to manufacturer's instructions.
D. Protect products from damage during handling and construction operations.
E. Products stored on the roof deck must not cause permanent deck deflection.

1.9 FIELD CONDITIONS
A. Environment:
   1. Product Temperature: Minimum 4 degrees C (40 degrees F) for minimum 48 hours before installation.
   2. Weather Limitations: Install roofing only during dry current and forecasted weather conditions.

1.10 WARRANTY
A. Construction Warranty: In accordance with Contract requirements.
B. Manufacturer's Warranty: Warrant roofing system against material and manufacturing defects and agree to repair any leak caused by a defect in the roofing system materials or workmanship of the installer.
   1. Warranty Period: 15 years.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION
A. Roofing System: Thermoplastic Polyolefin (TPO) sheet roofing mechanically fastened to roof deck.

2.2 PRODUCTS - GENERAL
A. Provide roof system components from one manufacturer.

2.3 TPO ROOFING MEMBRANE
   1. TPO Sheet: ASTM D6878/D6878M, internally fabric or scrim reinforced, 1.5 mm (60 mils) thick, with no backing.

2.4 MEMBRANE ACCESSORY MATERIALS
A. Sheet Flashing: Manufacturer's standard sheet flashing of same material, type, reinforcement, thickness, and color as TPO sheet membrane.
B. Factory Formed Flashings: Inside and outside corners, pipe boots, and other special flashing shapes to minimize field fabrication.
C. Bonding Adhesive: Manufacturer's standard, water based.
D. Metal Termination Bars: Manufacturer's standard, stainless-steel or aluminum, 25 mm wide by 3 mm thick (1 inch wide by 1/8 inch thick) factory drilled for fasteners.
E. Battens: Manufacturer's standard, galvannealed or galvanized steel sheet, 25 mm wide by 1.3 mm thick (1 inch wide by 0.05 inch thick), factory punched for fasteners.

F. Fasteners: Manufacturer's standard coated steel with metal or plastic plates, to suit application.

G. Primers, Sealers, T-Joint Covers, Lap Sealants, and Termination Reglets: As specified by roof membrane manufacturer.

H. Adhesive and sealant materials recommended by roofing system manufacturer for intended use, identical to materials utilized in approved listed roofing system, and compatible with roofing membrane.

**PART 3 - EXECUTION**

**3.1 EXAMINATION**

A. Examine and verify substrate suitability with roofing Installer and roofing inspector present.
   1. Verify roof penetrations are complete, secured against movement.
   2. Verify roof deck is adequately secured to resist wind uplift.
   3. Verify roof deck is clean, dry, and in-plane ready to receive roofing system.

B. Correct unsatisfactory conditions before beginning roofing work.

**3.2 PREPARATION**

A. Dry out surfaces that become wet from any cause during progress of the work before roofing work is resumed. Apply materials to dry substrates, only.

B. Broom clean roof decks. Remove dust, dirt and debris.

C. Remove projections capable of damaging roofing materials.

D. Existing Membrane Roofs and Repair Areas:
   1. Comply with requirements in Section 07 01 50.19 PREPARATION FOR REROOFING.

**3.3 TEMPORARY PROTECTION**

A. Install temporary protection consisting of a temporary seal and water cut-offs at the end of each day's work and when work is halted for an indefinite period or work is stopped when precipitation is imminent.

B. Install temporary cap flashing over top of base flashings where permanent flashings are not in place to protect against water intrusion into roofing system. Securely anchor in place to prevent blow off and damage by construction activities.
C. Temporarily seal exposed insulation surfaces within roofing membrane.
   1. Apply temporary seal and water cut off by extending roofing membrane beyond insulation and securely embedding edge of the roofing membrane in 6 mm (1/4 inch) thick by 50 mm (2 inches) wide strip of temporary closure sealant. Weight roofing membrane edge with sandbags, to prevent displacement; space sandbags maximum 2400 mm (8 feet) on center.
   2. Direct water away from work. Provide drainage, preventing water accumulation.
   3. Check daily to ensure temporary seal remains watertight. Reseal open areas and weight down.

D. Before the work resumes, cut off and discard portions of roof membrane in contact with temporary seal.
   1. Cut minimum 150 mm (6 inches) back from sealed edges and surfaces.

E. Remove sandbags and store for reuse.

3.4 INSTALLATION - GENERAL

A. Install products according to manufacturer's instructions and approved submittal drawings.
   1. When manufacturer's instructions deviate from specifications, submit proposed resolution for Contracting Officer's Representative consideration.

B. Comply with NRCA Manual installation requirements.

C. Comply with UL 580 / UL 1897 for uplift resistance.

D. Do not allow membrane and flashing to contact surfaces contaminated with asphalt, coal tar, oil, grease, or other substances incompatible with TPO.

3.5 ROOFING INSTALLATION

A. Install the membrane so the sheets run perpendicular to the long dimension of the insulation boards.

B. Begin installation at the low point of the roof and work towards the high point. Lap membrane shingled in water flow direction.

C. Position the membrane free of buckles and wrinkles.

D. Roll membrane out; inspect for defects as membrane is unrolled. Remove defective areas:
   1. Lap edges and ends of sheets 50 mm (2 inches) or more as recommended by the manufacturer.
2. Heat weld laps. Apply pressure as required. Seam strength of laps as required by ASTM D4434/D4434M.

3. Check seams to ensure continuous adhesion and correct defects.

4. Finish seam edges with beveled bead of lap sealant.

5. Finish seams same day as membrane is installed.

6. Anchor membrane perimeter to roof deck or parapet wall as indicated on drawings.

7. Repair areas of welded seams where samples have been taken or marginal welds, bond voids, or skips occurs.

8. Repair fishmouths and wrinkles by cutting to lay flat and installing patch over cut area extending 100 mm (4 inches) beyond cut.

E. Membrane Perimeter Anchorage:

1. Install batten at perimeter of each roof area, curb flashing, expansion joints and similar penetrations on top of roof membrane as indicated on drawings.

2. Mechanically Fastening:
   a. Space fasteners maximum 300 mm (12 inches) on center, starting 25 mm (1 inch) from ends.
   b. When battens are cut, round edges and corners before installing.
   c. After mechanically fastening strip cover and seal strip with a 150 mm (6 inch) wide roof membrane strip; heat weld to roof membrane and seal edges.
   d. At gravel stops or fascia-cants turn roofing membrane down over front edge of the blocking, cant, or nailer. Secure roofing membrane to vertical portion of nailer; or, if required by the membrane manufacturer, with fasteners spaced maximum 150 mm (6 inches) on centers.
   e. At parapet walls intersecting building walls and curbs, secure roofing membrane to structural deck with fasteners 150 mm (6 inches) on centers or as shown in NRCA manual.

F. Mechanically Fastened System Installation:

1. Secure roofing membrane to structural deck with fasteners through battens to achieve specified wind uplift performance.
   a. Drill pilot holes for fasteners installed into cast-in-place concrete. Drill hole minimum 10 mm (3/8 inch) deeper than fastener penetration.

2. When fasteners are installed within membrane laps, locate battens minimum 13 mm (1/2 inch) from the edge of sheets.
3. Apply lap sealant under battens and anchor to deck while lap sealant is still fluid. Cover fastener head with fastener sealer.

4. Where fasteners are installed over roofing membrane after seams are welded, cover fasteners with minimum 200 mm (8 inch) diameter TPO membrane cap centered over fasteners. Where battens are used cover battens with minimum 200 mm (8 inch) wide TPO strip cap centered over batten. Splice caps to roofing membrane and finish edges with lap sealant.

3.6 FLASHING INSTALLATION

A. Install flashings same day as roofing membrane is installed. When flashing cannot be completely installed in one day, complete installation until flashing is watertight and provide temporary covers or seals.

B. Flashing Roof Drains:
   1. Install roof drain flashing as recommended by roofing membrane manufacturer.
      a. Coordinate to set the metal drain flashing in asphalt roof cement, holding cement back from the edge of the metal flange.
      b. Do not allow the roof cement to come in contact with TPO roofing membrane.
      c. Adhere roofing membrane to metal flashing with bonding adhesive.
   2. Turn down the metal drain flashing and roofing membrane into drain body. Install clamping ring and strainer.

C. Installing Base Flashing and Pipe Flashing:
   1. Install flashing sheet to pipes, wall or curbs to minimum 200 mm (8 inches) above roof surfaces and extending roofing manufacturer's standard lap dimension onto roofing membranes.
      a. Adhere flashing with bonding adhesive.
      b. Form inside and outside corners of flashing sheet according to NRCA manual. Form pipe flashing according to NRCA manual.
      c. Lap ends roofing manufacturer's standard dimension.
      d. Heat weld flashing membranes together and flashing membranes to roofing membranes. Finish exposed edges with lap sealant.
      e. Install flashing membranes according to NRCA manual.
   2. Anchor top of flashing to walls and curbs with fasteners spaced maximum 150 mm (6 inches) on center. Use surface mounted fastening strip with sealant on ducts. Use pipe clamps on pipes or other round penetrations.
3. Apply sealant to top edge of flashing.

D. Installing Building Expansion Joints:
   1. Install base flashing on curbs as specified.
   2. Coordinate installation with metal expansion joint cover / roof expansion joint system.
   3. Install flexible tubing 1-1/2 times the width of joint centered over joint. Cover tubing with flashing sheet adhered to base flashing and lapping base flashing roofing manufacturer's standard dimension. Finish edges of laps with sealant.

E. Repairs to Membrane and Flashings:
   1. Remove sections of roofing membrane or flashing that are creased, wrinkled, or fishmouthed.
   2. Cover removed areas, cuts and damaged areas with a patch extending 100 mm (4 inches) beyond damaged, cut, or removed area. Heat weld to roofing membrane or flashing sheet. Finish edge of lap with lap sealant.

3.7 CLEANING
   A. Remove excess adhesive before adhesive sets.
   B. Clean exposed roofing surfaces. Remove contaminants and stains.

3.8 PROTECTION
   A. Protect roofing system from traffic and construction operations.
      1. Protect roofing system when used for subsequent work platform, materials storage, or staging.
      2. Distribute scaffolding loads to exert maximum 50 percent roofing system materials compressive strength.
   B. Loose lay temporary insulation board overlaid with plywood or OSB.
      1. Weight boards to secure against wind uplift.
   C. Remove protective materials immediately before acceptance.
   D. Repair damage.

--- END ---
### BID ITEMS

**Chester County DSS Building Site Improvements and Interior Renovations**

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**Total Bid = $__________________________**

In Words: ____________________________________________

**COMPANY:________________________________________**

**AUTHORIZED SIGNATURE:____________________________**

*THE ATTACHED CERTIFICATE OF FAMILIARITY MUST BE RETURNED WITH BID.*