

Addendum #3 to SJPC-22-60 (Shed 1 Roof) - August 5, 2022

Questions from Potential Bidders

- Q1: Spec calls for .063 continuous gutter which is unavailable in .063 Box Style gutter. Please advise as to new detail/products to be used.
- A1: The Specification 077100 Section 2.2, is amended to 0.050" aluminum for gutters and downspouts. Minimum distance between seams shall be 50'-0."
- Q2: There are some pipes that are attached to the underside of the deck, please advise if they are to be demolished up our contractor or by others and if by us please provide details as where to cap it.
- A2: Move all supports for conduit and piping attached to the underside of the wood deck to adjacent steel purlins or trusses to remain. Include any costs for this work in Bid Item 1: "REMOVE & DISPOSE OF EXISTING ROOFING SYSTEM, INCLUDING WOOD DECK, & SKYLIGHTS, COMPLETE." No separate payment shall be made for work related to removing, temporarily supporting, or re-attaching piping or conduit attached to the underside of the roof deck
- Q3: 90 days seems very aggressive considering \$2000 a day Liquidated Damages. There is also time required for the TWIC cards to be obtained by the apparent low bidder after notice of award. Can this contract be extended to 120 days?
- A3: The Scope of Work, Section 1.03, paragraph 1 and the Bid form have been amended to reflect the updated contract time. The construction period shall be extended to 120 days from notice of award.
- Q4: There is a spec section about lead paint removal, has the steel that is currently painted been tested for Lead? If so provide report, if not provisions will need to be made after award for potential abatement prior to painting exposed seal.
- A4: Lead based paint is likely to be present on steel structures and skylight assemblies based on the age of the building. No specific abatement is required. Specification Section 028310 is provided for the Contractor's reference and addresses OSHA required worker protection for activities which require handling lead based paint.

- Q5: The panel that is the basis of design is a 7.2 Pac Clad panel. The maximum allowed run of this panel is 22' in aluminum. Was the intention for continuous panels?
- A5: Non-continuous panels were the basis of design, and detail 4/D-1 addresses overlap of the exposed fastener metal panels. Any panel length which meets the manufacturer's warranty and installation requirements is acceptable. Square foot (SF) quantities for roofing provided in the bid form are based on the flat projected area of the roof (ie. building footprint) and not actually installed quantities. The bidder is responsible for including all costs for a complete roof replacement which include the actually required material quantities including waste and cut-offs.
- Q6: There is language about a ladder in the specifications. Can you please get clarification if there is in fact a ladder to be furnished and installed or if that was an error.
- A6: Ladder installation is not a part of the scope of work. References to ladders in Specification Section 055000 METAL FABRICATIONS are a part of the general specifications and do not specifically pertain to this project.

Please see attached, revised Scope of Work, Bid Form, and Section 077100

SCOPE OF WORK

1.01 DESCRIPTION

- A. In general, the work on this project consists of the complete removal and replacement of the roofing system for Transit Shed 1 within the South Jersey Port Corporation Balzano terminal located in Camden County, New Jersey as detailed in these specifications.
- B. Project Location: 101 Joseph A Balzano Blvd.
Camden, NJ 08103

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. Owner Identification: South Jersey Port Corporation
2 Aquarium Drive, Suite 100
Camden, NJ 08103
- B. Engineer Identification: Remington & Vernick Engineers
2059 Springdale Road
Cherry Hill, NJ 08033

C. Contract Documents:

These Specifications indicate the extent of the Contract. Contract Documents were prepared for the Project by Remington & Vernick Engineers, 2059 Springdale Road Cherry Hill, NJ 08033.

D. General:

1. Review of all existing site conditions is strongly recommended to fully understand the Scope of Work. Site visits requested less than forty-eight (48) hours before receipt of bids may not be entertained.
2. This project includes a single prime contract.
3. The Contractor is responsible and obligated to successfully complete the entire project and to complete every necessary detail of every item specified and/or is required to complete the specified work regardless of whether a particular detail is specifically mentioned in these specifications.
4. The Contractor will be required to submit upon award a proposed work schedule that shall be finalized to reflect actual project milestones after contract award. The project schedule shall follow the requirements of these specifications. Strict adherence to the agreed upon final work schedule will be required for this project. The schedule shall be generated by the Contractor in a Microsoft Project format and shall be updated weekly. Progress reports including the updated schedule (Gantt Chart) will be submitted to the Engineer on a weekly basis.

5. A Pre-Construction Meeting between the Owner, the Engineer, and the Contractor will be required prior to start of construction at a site chosen by the Owner. All allowances/costs for the pre-construction meeting must be included in the Contractor's proposal pricing and submitted with the bid. No additional payments will be made by the Owner for the pre-construction meeting.
6. Contracts:
 - a. The Project will be constructed under a single Prime Contracting arrangement.
 - b. The contract will be awarded to one Contractor for the work required at the site contained herein. Contract award will be based on the sum of a Contractor's pricing for proposed work.
 - c. The Contractor's completed Bid Form shall reflect the actual amount of work required at the site. The amounts on the Contractor's Bid Form as submitted with their bid will be used to generate the project schedule of values for payment purposes.
 - d. The Specifications indicate the extent of the Contract Documents.
 - e. The quantities described in the specifications are for the convenience of the contractor only. Items will be paid on a lump sum basis and no additional payment will be made if as-built quantities exceed plan quantities.
 - f. Only major items of work are given in the Bid Form, but it is the intent of the Specifications to secure a completely interconnected and functioning system, and if any workmanship or materials be required which are obviously necessary to carry out the full intent and meaning of the plans and specifications or to be reasonably inferred there from, the cost of such workmanship or materials shall be included in the unit price bid for the major items of work.
 - g. Local custom and trade-union jurisdictional settlements do not control the Scope of Work included in the Prime Contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, the affected Prime Contractor shall promptly negotiate a reasonable settlement to avoid interruption and delays at no additional cost to the Owner
7. This Scope of Work outlines the general items and distribution of work and shall not be construed as being all-inclusive.
8. The Contractor shall be responsible for applying for and obtaining any and all permits required to satisfactorily complete this construction project. Any costs related to obtaining permits shall be included in the proposal.

1.02 DESCRIPTION OF WORK

The BASE BID work on this project is for removal and replacement of the existing roofing system with an exposed fastener aluminum panel roofing system, and consists of the following:

1. Remove and properly dispose of the existing asphaltic membrane roofing system, tongue-and-groove wood decking, skylight assemblies, and all flashing materials, down to existing steel framing.
2. Properly Abate/Remove & Dispose of approximately 40,000 square feet of 1 to 2-inch thick, non-friable asbestos containing built-up roofing material and approximately 600 square feet of non-friable asbestos containing black tar roof flashing, as listed in the Bid Documents and site plans in accordance with applicable local, State, and Federal regulations, including the proper cleaning of the work area, and proper disposal of all asbestos contaminated wastes.
3. Sawcut, remove, and dispose of extraneous steel angle framing above the roof level as indicated in the project documents.
4. Furnish and install additional steel purlins where indicated in the project documents to carry additional wind loading on proposed roofing system.
5. Furnish and install the specified exposed fastener aluminum panel roofing system attached to existing steel framing as shown on the project drawings, including all flashing and trim necessary to provide a complete roofing system acceptable to the manufacturer's requirements for a full warranty. Follow all manufacturer requirements for number, location, and type of fasteners required for design wind loading.
6. Remove and replace passive rooftop ventilators in kind. Installed ventilators shall match the existing roof ventilator type and airflow capacity.
7. Furnish and install snow guards of the quantity and type as indicated in the project documents. Snow guards shall match the approved roofing manufacturer's recommendations for size and spacing.
8. Furnish and install gutters and downspouts integral with the roof edge flashing as shown on the project drawings. The proposed downspouts shall be routed to existing downspout connection locations to the existing underdrain system.
9. Remove and replace damaged wood blocking at roof curbs and gable walls as required to accommodate proposed rooftop ventilators, wall flashing, and any other flashings necessary for the proposed roofing system.
10. Furnish & install custom fabricated sheet flashing to match the approved roofing panel system material type, thickness, and finish at gable walls and all associated flashing as required for tie-in to the proposed roofing system.
11. Clean and paint exterior steel sign support structures above the roof level, including bracing angles and all steel framing for sign structure.

12. All work not specifically listed in a bid form pay item shall be incorporated into the lump sum/unit pay items listed.

1.03 SPECIAL CONDITIONS

1. Contractor shall be given one hundred and twenty (120) calendar days to complete the project. At the completion of work, the contractor shall remove all equipment and materials from the site.
2. Any and all costs (ie. equipment rental fees) incurred beyond the specified contract time shall be at the Contractor's expense. The Owner is not responsible for additional costs incurred due to the Contractor's failure to complete the project within the specified contract time.
3. The Contractor shall be responsible for coordinating all work with the Engineer and the Owner. The proposed project site is an operational warehouse in an active port. All work must be coordinated with SJPC to maintain normal operations during the proposed roofing work. The Contractor shall be responsible for coordination directly with SJPC for material storage, phasing, timing of daily operations, vehicular access, and all aspects of the work until project completion.
4. The Contractor shall be responsible for complying with federal security requirements (33CFR105) which require providing and maintaining a current Transportation Worker Identification Credentials (TWIC) card for each worker or providing a certified TWIC Escort for each 5 workers not holding a current TWIC card.
5. Prior to bidding, the Contractor shall visit the site and include all costs for a complete roofing replacement, including review of existing site and building conditions. The Owner is not responsible for additional costs based on the contractor failure to properly inspect the existing conditions and include all costs in his bid.
6. All work not specifically described or listed in the specifications that is incidental to work completion shall be considered as included within scope.
7. Extra work allowance is only to be used at the owner's/engineer's discretion.
8. A preconstruction video or photographs is required.
9. Contractor is responsible for clean-up of site and shall provide dumpsters as required.

- 1.04 The above Scope of Work outlines the general items and distribution of work and shall not be construed as being all-inclusive.

END OF SCOPE

Having carefully examined the Contract Drawings, Technical Specifications, and Agreement for this project, and having examined all conditions affecting the work, the undersigned proposes to complete the work as set forth therein and to furnish all equipment, supervision, transportation, labor, materials and services required to execute the work in accordance with the Contract Drawings and Documents for the following Unit Price Costs, unless noted otherwise:

It is understood and agreed that any incidental work necessary to complete the Project in its entirety will be included in the line items, unit prices and lump sum bid, whether or not the line item or items shall specifically state the nature of the incidental work. The line item or items which the incidental work, and the incidental costs, are included shall be selected by the Bidder. It is also understood and agreed that each line item of work in the Proposal shall include all supervision and personnel costs, markups, and other costs envisioned by the Bidder. In other words, all line item costs bid shall be "all-inclusive". Therefore, the unit prices to be entered on the Bid Form are obtained by dividing the total cost bid to complete the line item by the quantity shown of the form. The bid shall be determined by adding all line item costs for all Bid Items under Base Bid. This grand total Base Bid Price shall constitute the Lump Sum Base Bid Cost of the Project.

Negotiations for the adjustments of the unit price of any item will be completed only when that item and other work or items affecting its quantity have been completed and the total net change in the quantity of such item can be ascertained with sufficient accuracy to determine if it be eligible for consideration in accordance with the foregoing provisions.

The bidder must also furnish a price for all Optional Bids or Alternates requested, as well as all separate unit price items requested. Failure to do so will constitute an incomplete bid, which will be rejected by the South Jersey Port Corporation.

The Contractor agrees that this proposal will be valid and binding for a period of ninety (90) days to allow the Port time to evaluate the complete proposal to allow for the decision. The Port Engineer will officially notify the Contractor of the acceptance of their bid within ninety (90) days following the bid date pending compliance with delivering the requested documentation.

The undersigned accepts responsibility for having completely examined and understood the intent of the Bid Drawings and Documents; for having fully examined the site of the work; and for having obtained all pertinent information affecting the work.

Contractor to provide a lump sum proposal in US dollars to supply all necessary design services, materials, labor, tools, consumables, transportation, water craft, cranes, supervision, PPE, all materials and material controls, and any temporary facilities as necessary to provide for the complete and functional scope of work as described.

Estimated Time Required to Complete All Work in Calendar Days : 120 Days

Bidder shall provide rough schedule, including estimated start and completion dates.

All work shall be performed on weekdays during daylight hours. Work may be performed on Saturdays and/or other hours pending prior approval by South Jersey Port Corporation.

We Acknowledge Receipt of the Following Addenda

1. ADDENDUM NO. _____ Dated: _____
2. ADDENDUM NO. _____ Dated: _____
3. ADDENDUM NO. _____ Dated: _____
4. ADDENDUM NO. _____ Dated: _____

If no addenda are received, indicate by writing or typing the word "NONE" in the space for first addenda.

| Item No. | Quantity | U.O.M. | Description | Unit Cost | Line Total |
|------------------------|----------|--------|--|-----------|------------|
| 1 | 40,000 | SF | REMOVE & DISPOSE OF EXISTING ROOFING SYSTEM, INCLUDING WOOD DECK, & SKYLIGHTS, COMPLETE | | |
| 2 | 1 | LS | ASBESTOS ABATEMENT | | |
| 3 | 1 | LS | CUT & REMOVE EXTRANEIOUS STEEL ABOVE ROOF LEVEL | | |
| 4 | 1 | LS | FURNISH & INSTALL ADDITIONAL STEEL PURLINS | | |
| 5 | 40000 | SF | FURNISH & INSTALL EXPOSED FASTENER METAL PANEL ROOFING SYSTEM ATTACHED TO EXISTING PURLINS, INCLUDING FLASHING | | |
| 6 | 6 | EA | REMOVE & REPLACE ROOFTOP VENTILATORS | | |
| 7 | 1 | LS | FURNISH & INSTALL SNOW GUARDS | | |
| 8 | 800 | LF | FURNISH & INSTALL GUTTERS & DOWNSPOUTS | | |
| 9 | 500 | BF | REMOVE & REPLACE WOOD BLOCKING (IF & WHERE DIRECTED) | | |
| 10 | 1100 | SF | FURNISH & INSTALL FLASHING AT GABLE WALLS | | |
| 11 | 1 | LS | CLEAN & PAINT EXTERIOR STEEL STRUCTURES AT SIGN SUPPORTS | | |
| TOTAL BID PRICE | | | | | |

Total Bid Price

\$ _____

CORPORATE SEAL

Contractor:

Primary Contact Name: _____

Title: _____

Date: _____

Business Address: _____

Phone No.: _____

SECTION 077100

GUTTERS AND DOWNSPOUTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Gutters and Downspouts.
- B. Related Accessories.

1.2 REFERENCES

- A. ASTM B 209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- B. SMACNA - Architectural Sheet Metal Manual.

1.3 DESIGN / PERFORMANCE REQUIREMENTS

- A. Conform to applicable code for size and method of rain water discharge.
- B. American Architectural Manufacturers Association (AAMA) Specification 1405.1 "Specification for Aluminum Raincarrying Systems".

1.4 SUBMITTALS

- A. Product Data: Manufacturer's catalog data, detail sheets, and specifications.
- B. Shop Drawings: Prepared specifically for this project; showing dimensions of metal gutters and accessories, fastening details and connections and interface with other products.
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
- E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- F. Manufacturers warranties.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications:
- B. Installer Qualifications: Certified and approved installer of the sheet metal roofing manufacturer.
- C. Perform Work in accordance with SMACNA Manual

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.

- B. Store products to prevent twisting, bending, and abrasion, and to provide ventilation. Slope stored materials to drain.
- C. During storage prevent contact with materials capable of causing discoloration, staining, or other damage.

1.7 PROJECT CONDITIONS

- A. Coordinate installation with installation of adjacent roofing, siding and related materials.

1.8 WARRANTY

- A. Provide the Manufacturer's Limited 20-Year, pro-rated and non-transferable Warranty covering labor materials.

1.9 COORDINATION

- A. Coordinate Work with other operations and installation of floor finish materials to avoid damage to installed underlayment and membrane materials.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design: Mazmet Metal Products, which is located at: 1050 Bristol Road; Mountainside, NJ 07092; Phone: 908.654.7686; Fax: 908.654.7898;
- B. Substitutions: Approved equal.

2.2 COMPONENTS

- A. Gutters: Aluminum sheet, ASTM B 209, Alloy 3105-H24. Minimum tensile strength 26,000 psi, minimum yield strength 25,000 psi or equivalent. Continuous sheet aluminum, roll formed, in sections no less than 50 feet in length.
 - 1. Thickness:
 - a. 0.050 inch
- B. Downspouts: Aluminum sheet, ASTM B 209, Alloy 3105-H24. Minimum tensile strength 26,000 psi, minimum yield strength 25,000 psi or equivalent.
 - 1. Thickness:
 - a. 0.050 inch
 - 2. Size:
 - a. Match Existing : 4 inches by 4 inches (min.).
- C. Endcaps: Aluminum sheet, ASTM B 209, Alloy 3105-H24, thickness 0.050 inch
- D. Inside and Outside Mitres: Aluminum sheet, ASTM B 209, Alloy 3105-H24, thickness 0.050inch
- E. Gutter Hangers and Anchors: Aluminum sheet, ASTM B 209, Alloy 3105-H24, thickness 0.050 inch. Provide types required to suit project requirements.
- F. Downspout Anchors: Aluminum. Provide types required to suit project requirements.

- G. Elbows: Aluminum sheet, ASTM B 209, Alloy 3105-H24. Minimum tensile strength 26,000 psi, minimum yield strength 25,000 psi or equivalent.
 - 1. Thickness:
 - a. 0.050 inch
 - 2. Size: To match downspouts.
- H. Aluminum Finish: Kynar 500 system factory applied in a continuous process in a single operation.
 - 1. Color:
 - a. Approved by Owner from Manufacturer's Standard Colors.
- I. Sealant: As recommended by manufacturer.
- J. Fasteners: Same material and finish as gutters and downspouts.

2.3 FABRICATION

- A. Continuously form gutters to the profiles and sizes specified in sections no less than 50 feet long.
- B. Form downspouts of profiles and sizes specified.
- C. Hem exposed edges of metal.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Verify governing dimensions at building.
- C. Verify surfaces are ready to receive gutters and downspouts.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Clean and repair if necessary any adjoining work on which this work is in any way dependent for its proper installation.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install gutters using appropriate hangers to allow normal expansion and contraction.
- C. Install gutter hangers using two 1-1/4 inch (32 mm) screw shank nails and fastened into solid lumber.
- D. All gutters shall be in continuous length for each elevation (run). No end laps are allowed.

- E. Exercise care in placing aluminum in contact with other dissimilar metals or materials that are not compatible with aluminum.
- F. Providing adequate insulation/separation where ever necessary, such as by painting or otherwise protecting when they are in contact with aluminum or when drainage from them passes over aluminum surfaces.
- G. Install sealants where indicated to clean dry surfaces only without skips or voids.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION