



EL MONTE UNION HIGH SCHOOL DISTRICT

Purchasing Department

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May 29, 2024

TO : All Bidders
FROM : El Monte Union High School District
BID # : Bid No. 2023-24(B9)
PROJECT : South El Monte High School Building L Kitchen HVAC Project
SUBJECT : Addendum No. 3

The following changes, omissions, and/or additions to the Project Manual and/or Drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

REVISIONS TO BID DOCUMENTS

Bid Due Date: MONDAY, JUNE 3, 2024 AT 2:00 P.M.

Clarification: All allowances and contingency amounts should follow the format, amounts, and/or percentages listed on the bid form. All other amounts shown in the bid documents should be disregarded. Included in this addendum is the revised Bid package 20 Scope of Work Summary.

ATTACHMENTS

1. Revised Bid package 20 Scope of Work Summary

END OF ADDENDUM NO. 3

South El Monte High School Modernization

BID PACKAGE: 20

Building L Kitchen HVAC

SCOPE OF WORK SUMMARY:

The scope of work includes, but is not necessarily limited to, furnishing all labor, materials, accessories, appliances, tools, equipment, facilities, transportation, applicable taxes and services necessary for, and incidental to, performing all operations in connection with the specification sections listed below, complete as indicated on the drawings and specifications or incidental to the requirements of this Bid Package Contractor and/or specified herein, unless specifically excluded.

The Following are the Project Contract Documents and are primary to this Bid Package:

- **Bid Packages**

Bid Package #20 – Building L Kitchen HVAC

- **Plans** – South El Monte High School Building L Kitchen HVAC – September 21st, 2022
- **Project Bid Documents** – GC Bidding Documents for the El Monte Union High School District for Bid No. 2022-23(B2) South El Monte High School Modernization Project

Notice Inviting Bids

Instructions to Bidders

Checklist of Mandatory Bid Forms

Designation of Subcontractors

Designation of Subcontractors Form

Bid Form

Trade Contractor's Certificate Regarding Workers' Compensation Form

Non-Collusion Declaration

Bid Guarantee Form

Bid Bond Form

Request for Substitution at Time of Bid

Acknowledgement of Bidding Practices Regarding Indemnity Form

Disabled Veteran Business Enterprise (DVBE) Participation Statement

Trade Contractor's Certificate Regarding Drug-Free Workplace

Trade Contractor's Certificate Regarding Alcoholic Beverage and Tobacco-Free Campus Policy

Form Agreement

Payment Bond

Performance Bond

Guarantee

Escrow Agreement for Security Deposits in Lieu of Retention

Insurance Documents & Endorsements

Disabled Veteran Business Enterprise (DVBE) Trade Contractor Close-Out Statement

Trade Contractor Certification Regarding Background Checks

General Conditions

Article 1 Definitions

Article 2 District

Article 3 The Trade Contractor

Article 4 Administration of the Contract and Claims

Article 5 Subcontractors

Article 6 Construction by District or By Separate Contractors

Article 7 Changes in the Work

Article 8 Time and Schedule

Article 9 Payments and Completion

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

Article 10 Protection of Persons and Property
Article 11 Insurance and Bonds
Article 12 Uncovering and Correction of Work
Article 13 Miscellaneous Provisions
Article 14 Termination or Suspension of the Contract
Article 15 Debarment

- **Preliminary Milestone Schedule** – April 30, 2024
- **DSA** – TI 103 – Testing and Inspection Requirements
- **Construction Manager Special Conditions**
 - 00 73 00 Special Conditions (for All Bid Packages)
 - 00 74 00 Allowances (for All Bid Packages)
- **Technical Specifications** – South El Monte High School Modernization – September 21st, 2022

Introductory Information

00 00 00 Cover Page
00 01 02 Professional Signatures
00 01 10 Table of Contents
00 75 00 Final Clean

Division 1 – General Requirements

01 10 00 Summary of Work
01 25 00 Substitution Procedures
01 26 00 Contract Modification Procedures
01 29 00 Payment Procedures
01 31 00 Project Management and Coordination
01 32 00 Construction Progress Documentation
01 33 00 Submittal Procedures
01 40 00 Quality Requirements
01 42 00 References
01 45 29 Testing Lab Services
01 50 00 Temporary Facilities and Controls
01 60 00 Product Requirements
01 73 00 Execution
01 74 19 Construction Waste Management and Disposal
01 77 00 Closeout Procedures
01 78 23 Operation and Maintenance Data
01 78 39 Project Record Documents
01 79 00 Demonstration and Training
01 91 13 General Commissioning Requirements

Division 2 – Existing Conditions

02 41 19 Selective Demolition

Division 6 – Wood, Plastics, and Composites

06 10 00 Rough Carpentry

Division 7 – Thermal and Moisture Protection

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

07 21 00 Thermal Insulation
07 54 30 Adhered Thermoplastic (PVC) Felt-back Membrane Roofing
07 62 00 Sheet Metal Flashing and Trim
07 72 00 Roof Accessories
07 82 13 Penetration Firestopping
07 92 00 Joint Sealants

Division 9 – Finishes

09 51 23 Acoustical Tile Ceilings

Division 22 Plumbing

22 05 00 Common Work Results for Plumbing

Division 23 – Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 00 Common Work Results for HVAC
23 05 13 Common Motor Equipment for HVAC Equipment
23 05 16 Pipe Expansion Fittings and Loops for HVAC Piping
23 05 19 Meters and Gages for HVAC Piping
23 05 23 General Duty Valves for HVAC Piping
23 05 33 Hangers and Supports for HVAC Piping and Equipment
23 05 48 Vibration and Seismic Controls for HVAC Piping and Equipment
23 05 53 Identification for HVAC Piping and Equipment
23 05 93 Testing, Adjusting, And Balancing For HVAC
23 07 13 Duct Insulation
23 07 19 HVAC Piping Insulation
23 09 00 Building Management and Control Systems
23 23 00 Air Duct Accessories
23 31 13 Metal Ducts
23 41 00 Particulate Air Filtration
23 81 19 Rooftop Air Conditioners

Division 26 – Electrical

23 05 00 Common Work Results for HVAC
26 28 13 Fuses

Division 27 – Communications

27 05 00 Common Work Results for Communications

Division 28 – Electronic Safety and Security

28 46 00 Fire Detection and Alarm

1.0 INCLUSIONS:

SPECIFIC INCLUSIONS FOR THE SCOPE OF WORK (including, but not limited to)

- 1 The Bid Package Contractor will be responsible for completing all work included in the contract documents including, but not limited to, the following:

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

- 2 The work included is, but is not necessarily limited to, furnishing all labor, materials, appliances, tools, equipment, facilities, transportation, applicable taxes, permits and services necessary for, and incidental to, performing all operations in connection with this Bid Package, complete as shown on the drawings and/or specified herein. Contractor to complete all work as detailed herein as well as indicated in plans and specifications in accordance with approved project documents. Multiple mobilizations may be required to perform this work.
- 3 Weekly Foreman Coordination meetings will be held every week (date and time to be determined by Construction Manager) and it is mandatory that this Bid Package Contractor provide representation by someone with authority to make schedule and manpower decisions when this Bid Package Contractor's work is being performed on site or when specifically requested by the Construction Manager. Whereas attendance at these meetings directly affects coordination of the project schedule, if this Bid Package Contractor fails to attend when required, the cost of labor will be assessed against its contract for each occurrence.
- 4 The Bid Package Contractor acknowledges that the Pull Planning (a.k.a. Last Planner) supplemental means of activity scheduling is required to meet the project schedule. Therefore, Bid Package Contractor agrees to provide a supervisory and management level of representation at all Pull Planning quarterly or sometimes monthly pull planning sessions. This Bid Package Contractor also agrees to provide a foreman level of representation at all Pull Planning weekly updates in conjunction with the weekly foreman's meetings. Whereas attendance at these meetings directly affects coordination of the project schedule (RE: Liquidated Damages).
- 5 Responsibility for storage and security of own materials and equipment located on jobsite. Own work shed, yard and security fence if required for storage. Note: on-site storage, laydown areas, parking and access is limited and controlled by the Construction Manager. Subcontractor responsible for own employee parking.
- 6 Daily clean-up of own debris and removal of same from project site.
- 7 Utilities for own work from provided power sources.
- 8 Responsibility for environmental conditions affecting own work.
- 9 Attend and participate in pre-installation conference at project site.
- 10 Task lighting for own work.
- 11 Provide scaffold for own work.
- 12 Dust, noise, and traffic control for own work.
- 13 Responsible for all trucking operations associated with own work, including street clean up, flag-people, and routing requirements.
- 14 Provide field samples and mock-ups as specified.
- 15 Provide dumpsters for disposal and removal of own work.

Division 1 – General Requirements

- 16 The Bid Package Contractor is responsible for all requirements in the Division 1 Technical Specifications.
- 17 The Bid Package Contractor is responsible for all items included in the CM Supplemental Specifications including, and all other requirements as specified in Division 01 General Requirements.

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

Division 2 – Existing Conditions

- 18 The Bid Package Contractor is responsible for all requirements in the Division 2 Technical Specifications.
- 19 Provide all labor, materials, and equipment necessary to perform all interior and exterior building demolition per Plans, Specifications, and Addenda, including but not limited to; AC ceiling tiles, t-grid ceilings, hard lids ceilings, HVAC equipment, structural supports, seismic supports, splay wires, compression struts, HVAC pads, abandoned conduits, roofing, and roof top surfacing.
- 20 Carefully remove all items on plans called out to be salvaged and store in safe area for reinstallation by contractor.
- 21 The Bid Package Contractor to coordinate with Electrical, Plumbing, and HVAC subcontractors to ensure utility safe-off prior to demolition.
- 22 Contractor to provide 72-hour advance notice for utility shut down prior commencing with work.
- 23 Protect all existing utilities and infrastructure in place includes but not limited to; oven vent hood, grease ducts, and vent hood exhaust ducts.
- 24 Protect in place existing floor drains and floor with Ram Board or equivalent.
- 25 Provide protection of any existing surfaces or finishes to remain and protect in place. Protect in place kitchen equipment with plastic and plywood wrap. All protective items and methods to be submitted to CM for acceptably prior to installation.
- 26 Remove and reinstall shelving in existing Pot Washroom.
- 27 Maintain access to kitchen utility rooms utilizing plastic sheet barrier along gridline L-H.
- 28 Haul off and legal disposal of all debris generated by own work.

Division 6 – Wood, Plastic, Composites

- 29 Provide all labor, materials, and equipment necessary to install all wood framing, sistering, blocking necessary to support installation of HVAC and curbs per Plans, Specifications and Addenda, including but not limited to, roof joists, roof sheathing, top plates, treated lumber, sill plates, wood cants, headers, equipment, platform, blocking, and wood supports, wall bracing, roof openings, hardware, trim, fasteners, hold-downs, seismic restraints and accessories for a complete system and installation.
- 30 Furnish and install all required structural 4x sistering and 4x blocking, including hardware, as required for A/C unit and curb anchorage, blocking, joist end, and sawn lumber sistering details.

Division 7 – Thermal and Moisture Protection

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

- 31 Provide all labor, materials and equipment necessary to patch modified bituminous membrane roofing at new HVAC systems per Plans, Specifications and Addenda, including but not limited to; all modified membrane roofing, substrate preparation, underlayment, fiber fabric, felt, mastic, base sheets, base ply, base flashings, flashing sheets, flashing compounds, lead flashings, glass mat protection board, Title 24 compliant coating, fasteners, adhesives, membranes, flashings, sealants, walk pads, corners and cones, miscellaneous accessories, hardware, anchors, screws, straps, hangers, connectors and fasteners for a complete watertight system and installation.
- 32 Provide all labor, materials and equipment necessary to install all sheet metal flashing, trim, and roof accessories for HVAC mechanical curbs, per Plans, Specifications and Addenda, including but not limited to; all underlayment, slip-sheets, coping over underlayment, coatings, caulking, sealants, flashings, flashings for roof penetrations, counter flashings, edge, mechanical curb flashing, edge metal, hat channels, roof jacks, flashing for a complete watertight system and installation.
- 33 Provide and install all waterproof underlayment for own work as required.
- 34 Provide and install all roof related sheet metal flashings, counter flashing systems, and counter flashings at mechanical units.
- 35 Provide and install sealing, caulking, and soldering, for own work, as required by the Contract Documents.
- 36 Provide and install new foil backed insulation where required.
- 37 Touch up of own work as required.
- 38 Protection and cleanup of adjacent surfaces from own work.
- 39 Hoisting for own work.
- 40 All move-ins required for this work are included.
- 41 Provide manufacturer's warranty as specified.
- 42 Coordinate own work with adjacent trades and ensure proper alignment of materials, reveals and details as shown or specified.
- 43 Clean up of finish surfaces post install and notify CM for verification.
- 44 Patch roofing at no additional cost where testing or inspection samples are taken as required.
- 45 Provide flood test and other testing as specified.
- 46 Testing and adjustment for own work as specified.
- 47 Field measure of own work as required.
- 48 Provide extra stock and replacement materials as specified.
- 49 Provide factory finished, galvanized or other finishes for sheet metal materials as specified.
- 50 Provide and install required roof jack boots at all roof penetrations as required.
- 51 Plan to be submitted to CM for review and approval for material loading at roof.
- 52 Immediately notify CM of any potential trade damage by others working, cutting, or welding in area.
- 53 Coordinate roofing insulation inspections with CM.
- 54 Fall protection plan to be submitted to CM prior to start of work.
- 55 All safety documentation to be submitted to CM of all competent operators, for cranes, forklifts, and other equipment.

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

Division 9 – Finishes

- 56 Provide all labor, materials and equipment necessary to install washable acoustical ceilings per Plans, Specifications and Addenda, including but not limited to; all suspended metal grid systems, perimeter trim, suspension trim, surface preparation, hanger wires, seismic splay wires, light fixture wires, hanger and seismic wires for all systems, lateral bracing, acoustical units, lay-in panels, ceiling boards, hold down clips, compression struts, runners, angles, clips, wires, moldings, hardware, fasteners, colors, adhesives and accessories for a complete system and installation. Pull test Inspection Request to be submitted to CM with advanced notice.
- 57 Coordinate own work with adjacent trades and ensure proper alignment of materials, reveals, and details as shown or specified.
- 58 Coordinate with Low Voltage, Mechanical, Electrical, and Fire Alarm to complete own work. Coordinate with District Staff for TV material.
- 59 Provide and install seismic and slack wires for Mechanical, Electrical, and Plumbing as needed at ceilings. Coordinate with other Contractors for layout.
- 60 Provide and install hanger rods, seismic requirements, devices, and brackets for own work.
- 61 Provide materials, systems, and color as specified. Repair or replace all deficient materials not accepted in punch list.
- 62 Provide extra stock of ceiling materials as specified.

Division 22 – Plumbing

- 63 Provide all labor, materials and equipment necessary to install and connect all plumbing systems, fixtures and equipment to HVAC units per Plans, Specifications and Addenda, including but not limited to; interior gas systems, water systems, plumbing equipment, condensate drains, condensate lines, drains, sump pans at roof drains, roof flashings, thrust blocks, valves, fittings, couplings, escutcheons, unions, flanges, trap primers, vents, piping, insulation, quick disconnects, supports, hanger rods, anchors, brackets, seismic bracing, flashing, isolators, caulking, sealants, adhesives, plastic wrap protection, firestopping and accessories for a complete operational system and installation.
- 64 Labeling and identification as specified or required for own work.
- 65 Provide samples and mockups as specified.
- 66 Clean-up of finish surfaces.
- 67 Testing and adjustments for own work as specified.
- 68 Condensate drain tie-ins as shown or specified.
- 69 Coordinate power requirements for all plumbing and equipment.
- 70 Final connections to all equipment.

Division 23 – Heating, Ventilating and Air Conditioning

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

- 71 Provide all labor, materials necessary to install owner furnished HVAC equipment per Plans, Specifications and Addenda, including but not limited to; all HVAC units, exhaust systems, make-up air systems, compressors, air doors, power ventilators, smoke vents, dampers, fans, fan coil units, ductwork, duct sound traps, insulation, louvers, plenums, diffusers, grilles, registers, ceiling air diffusers, turning vanes, connectors, air cleaning equipment, replacement filters, filter holding systems, isolation curbs, curb insulation, vibration controls, seismic controls, variable frequency drives, controls, thermostats, temperate sensors, fixtures, economizers, transmitters, coils, contacts, valves, fittings, joints, neoprene pads, smoke detectors, duct detectors, sealants, firestopping, fire sealants, identification, brackets, flashings, hanger rods, hardware, miscellaneous supports, attachments and accessories for a complete operational system and installation.
- 72 Submit all closeout documents, O&M manuals, spare parts and tools, warranties, and other specified items per Plans and Specifications.
- 73 Owner training, demonstrations, videos, or instructional sessions may be required. Schedule and coordinate with Owner through Construction Manager. Layout all openings to be cut by others. Verify openings with CM and other affected trades for own work.
- 74 Coordinate required openings in ceiling and roofs.
- 75 Coordinate own work with adjacent trades and ensure proper alignment of materials, reveals and details as shown or specified.
- 76 Provide and install seismic requirements for own work.
- 77 Provide extra stock and replacement materials as specified.
- 78 Provide and install low voltage conduit, wiring and terminations for own controls work.
- 79 Supply and install hanger rods, supports, anchors, brackets, HVAC flashings and devices for own work.
- 80 Provide and install the specified controls for the building automation systems.
- 81 Labeling and identification as specified or required for own work.
- 82 Provide and install caulking and sealants required or specified for own work.
- 83 Hoisting for own work.
- 84 Start up for own work. Testing, adjusting, and balancing of HVAC systems.
- 85 Black out painting of all ductwork visible through grilles, registers and other openings.
- 86 All sheet metal flashing, lead flashing, counter flashings, boots, roof jacks, seals, platform covers, sealants, sleeves, fittings, etc. as required to install own work and provide a weather tight seal shall be furnished and installed by the applicable Bid Package Contractor.
- 87 All Braces, brackets, sleepers, and support systems complete (including their attachment to the building structure) as required for this Bid Package Contractor's work, including structural & miscellaneous steel items when detailed only on the Mechanical Drawings, or not specifically detailed but required.
- 88 All final HVAC connections for equipment furnished by others will be performed by this Bid Package Contractor, unless otherwise noted.
- 89 This Bid Package Contractor is to review the Bid Documents for potential conflicts between intended routing of own work (indicated diagrammatically only on the bid documents, such as gas, water, waste and vent, fire sprinkle, etc.) and that of all other building and site components. Failure to do so will result in this Prime Trade Contractor's rerouting of own work and all incidental costs resulting from such.
- 90 Insulation for own work. Inspections of insulation are required by IOR. All piping insulation to receive aluminum jacketing.

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

- 91 Insulation inside of HVAC Curb and outside of curb.
- 92 Provide an approved submittal to the Electrical Contractor to show specific power requirements for equipment provided by this Bid Package Contractor.
- 93 Provide sheet metal counter flashings for all rooftop mechanical equipment INDICATED OR NOT on drawings. Counter flashing is to be 5" wide sheet metal, over top of roofing, tucked under factory lip on curb for a complete and watertight installation.
- 94 All penetration in walls shall be 100% sealed using the appropriate material for each wall condition. Examples: Fire Caulking, Foam Sealants, Metal Angle, Flat Stock etc. Coordinate with other Bid Package Contractors.
- 95 This Bid Package Contractor is to take special note of access to the project site and laydown area. Jobsite entry is shown on Site Logistics Plan. Any trucking required outside of this access must be approved by Construction Manger prior to use. All costs related to alternate access (if approved) will be the sole responsibility of this Bid Package Contractor to include (but not limited to) fence removal and reinstallation, damage to sidewalks fields, planters, etc.
- 96 Coordinate proposed crane location at least 2 weeks prior to mobilization on site with Construction Manager and Superintendent.
- 97 Provide metal plates and/or compacted subgrade conditions to account for crane weight.
- 98 Contractor to protect all roof openings generated by own work during construction.

Division 26 Electrical

- 99 Provide all labor, materials and equipment necessary to power HVAC systems per Plans, Specifications and Addenda, including but not limited to; all high voltage systems, controllers, switchboards, panel boards, disconnects, circuit breakers, electrical grounding, electrical bonding, motor starters, switches, raceways, boxes, conduit, wire, conductors, cables, cable trays, connections to existing systems, wiring devices, electrical identification, hardware for a complete operational system and installation.
- 100 Submit all closeout documents, O&M manuals, spare parts and tools, warranties, and other specified items per Plans and Specifications. Update as-built drawings as required.
- 101 Provide final hook up of high and low voltage systems.
- 102 Start-up, testing, adjustments, and commissioning as specified for own work.
- 103 Provide extra stock, turnover and replacement materials as specified.
- 104 Seismic requirements for own work as required.
- 105 Labeling and identification as specified or required for own work.
- 106 Safe removal and reattachment of light fixtures to wires in suspended grid ceilings.
- 107 Provide "safe off" of all existing electrical work, as applies to demolition (demolition by others).

South El Monte High School Modernization

BID PACKAGE: 20 (Continued)

Division 27 & 28 Communication & Electronic Safety and Security

- 108 Provide all labor, materials and equipment necessary to install all low voltage and fire alarm systems per Plans, Specifications and Addenda, including but not limited to; low voltage systems, voice and data systems, data racks, computer networking systems, communication systems, communication cabling, sound systems, fire alarm systems, security systems, video systems, telephone systems, clock systems, telephone backboards, connections to existing systems, fixtures, flashings, rods, supports, brackets, seismic restraints, wiring devices, fire sealants, identification, hardware, trim and accessories for a complete operational system and installation.
- 109 Review as-builts to coordinate existing panels shut off for new work and re-install of salvaged fixtures. Notify CM of any utility shut off requirements minimum 72 hours prior to shut down.
- 110 Store salvaged electrical light fixtures for re-installation.
- 111 Verify all panel power requirements prior to commencement of work.
- 112 Remove and reinstall existing FA devices in acoustic ceiling system as required.
- 113 All duct sensors are to remain. Protect in place as required and reconnect to HVAC controls.
- 114 All units over 2000psi will need to be equipped with FA shutoff device.
- 115 Coordinate with HVAC subcontractor for locations of all interconnected safety systems.

2.0 SPECIAL NOTES FOR THIS BID PACKAGE

2.1 Contractor shall include in the bid price, an allowance, identified in accompanying Front End Documents, Bid Form Section 2. The allowance shall be shown separately on the contractor's schedule of values. The allowance can only be used with prior approval by the district. The unused balance will be credited back to the District at the Time of Project Completion by Change Order. See Supplemental Specification Section 00 73 00.

NOTE:

All the work in the above sections **MUST** be included in the **Building L Kitchen HVAC PACKAGE NUMBER 20** unless specifically excluded herein. **CONTRACTOR MUST EXAMINE ALL OTHER SPECIFICATION SECTIONS, DRAWINGS, AND CONTRACT DOCUMENTS** for related work that may be specified or shown on drawings and required to be included as work under this Bid Package.

This Bid Package summary supplements and complements the Plans, Specifications, and the balance of the project documents, hereafter referred to as Contract Documents and in no way supersedes any information contained in the Contract Documents unless specifically stated.

END OF THIS SECTION