

BID CATEGORY SCOPE OF WORK DESCRIPTIONS

Bidders of ALL Bid Categories shall include:

All work, compliance, and costs for compliance with the Appendices, Attachments, General Conditions, Specifications inclusive of Divisions 00 through Division 31, and all Drawings as prepared by TMP dated 5.25.2023 for bid pack 1-5 and 7.31.23 for bid pack 6-8, including all addenda (Considered the Construction Documents). Should any conflict exist between a Bid Category written scope of work and the scope of work inferred by the specifications (Division 00 – Division 31), the work required by the bid category written scope of work shall govern.

Emphasis is placed on the following requirements, which are stated below for emphasis and clarity. All Bidders of any category must include:

- Development of a complete understanding of other work categories and provide continuous coordination with interfacing trade contract work of other categories.
- All layout, control points and engineering required for work of the category being bid as required to execute the work, and as defined in these specifications.
- Include labor, tools, equipment, incidental hardware, and materials required to receive, unload, store, protect and install work of the category as well as materials furnished by other categories but required to be installed as a requirement of the category being bid.
- Bidders shall be aware that compliance with the Granger Construction Safety & Health Program Manual will be required of each subcontractor and/or sub-subcontractor, in addition to compliance with all Federal and State OSHA standards.
- Provide Submittals within ten (10) days of award. Reference Section 01 3300 (GCC), 01 3300 Submittal Procedures, and any other Division 01 specifications relative to submittal and product requirements. Submittals to be provided by subcontractor in a timely manner to not delay the schedule. Reference the above indicated specification sections for specific details. The subcontractor is responsible for advising Granger Construction on writing submittal deadlines to meet project schedules. Costs associated with delays due to lack of submittal approval because of not submitting in an appropriate manner, inappropriate submittals that affect delivery will be the responsibility of this contractor.
- Bidders shall be aware of delivery requirements to accommodate the completion schedule of this project and shall include all expediting and overtime costs to allow for completion and turnover as shown in the milestone schedule. It is the Bidder's responsibility to prepare and submit shop drawings and other submittals in a timely manner to accommodate the milestone and progress schedule and prevent delays to the project.
- Continuous trash removal and clean up required per Section 01 7000 – Execution Requirements.
- All field foremen are expected to be in possession of an electronic tablet (iPad preferred) onsite with cell data plan included. Document management and control will be administered via electronic devices only in the field using Procore.
- See specifications and bid form for allowances, unit prices and alternates.
- Include requested voluntary alternate pricing per specific bid categories.
- All bidders include all necessary equipment and operator time for loading and unloading material and equipment.

- These projects are NOT prevailing wage.
- No smoking tobacco rule: Per state law, no smoking or other tobacco use will be allowed on the project site at any time. Any worker found using any form of tobacco may be permanently removed from the project at the sole discretion of the construction manager.
- All workers will be required to go through an on-site orientation and always carry identification on them.
- Any site visits or work completed while students are on the premises are required to check in at the main office.
- For owner accounting purposes multiple contracts may be required or additional billing breakdowns may be required on a per school basis. Coordinate with CM.

TABLE OF CONTENTS

<u>ITEM</u>	<u>PAGE(S)</u>
<u>06-01 General Trades</u>	<u>3-7</u>
BP #1: 22070A Dexter High School Pool Upgrades	3
22072A Wylie Elementary Pool Upgrades	
BP #4: 22071D Creekside Intermediate Window Replacement	4
BP #5: 22070E Dexter High School Doors & Hardware	5
22073E Mill Creek Middle School Doors & Hardware	
BP #7: 22070G Dexter High School Flex Spaces	6-7
<u>06-02 Interior Architectural Woodwork</u>	<u>8</u>
BP #7: 22070G Dexter High School Flex Spaces	8
<u>07-01 Roofing</u>	<u>9</u>
BP #8: 22072H Wylie Elementary Roofing Upgrades (Required Add Alternate)	9
22075H Anchor Elementary Roofing Upgrades (Required Add Alternate)	
22076H Jenkins Early Childhood Center Roof Upgrades	
<u>08-01 Aluminum & Glazing</u>	<u>10</u>
BP #4: 22071D Creekside Intermediate Window Replacement	10
<u>13-01 Special Construction (Pools)</u>	<u>11</u>
BP #1: 22070A Dexter High School Pool Upgrades	11
22072A Wylie Elementary Pool Upgrades	
<u>21-01 Fire Suppression</u>	<u>12</u>
BP #2: 22070B Dexter High School Sprinkler Upgrades	12
<u>23-01 Building Automation System</u>	<u>13</u>
BP #3: 22070C Dexter High School B.A.S (Required Add Alternate)	13
22071C Creekside Intermediate B.A.S	
22072C Wylie Elementary B.A.S (Required Add Alternate)	
<u>26-01 Electrical</u>	<u>14-16</u>
BP #1: 22070A Dexter High School Pool Upgrades	14
22072A Wylie Elementary Pool Upgrades	
BP #6: 22072F Wylie Elementary Primary Service	15
BP #7: 22070G Dexter High School Flex Spaces	16

Bid Category 06-01: General Trades

BP #1: 22070A DEXTER HIGH SCHOOL POOL UPGRADES

22072A WYLIE ELEMENTARY POOL UPGRADES

SPECIFICATION SECTIONS

02 4100 DEMOLITION
05 5000 METAL FABRICATIONS
07 9200 JOINT SEALANTS (SCOPE RELATED)
08 1610 FRP FACED ALUMINUM DOORS
08 7100 DOOR HARDWARE
09 9123 INTERIOR PAINTING

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specification sections listed above complete.
- Provide/Install all wood blocking, coordinate with other trades as needed.
- Include caulking of all joints at intersecting surfaces in relation to scope of work, doors, masonry, thresholds, etc.
- Include all painting as defined in construction documents.
- Provide full-time, nonworking on-site supervision throughout the entire duration of the construction period, whenever this scope and your subcontractors are performing work to facilitate coordination, safety, quality workmanship and schedule compliance. Include attendance at all coordination meetings.
- Install access doors provided by others.
- Provide/install permanent cores, include coordination of coring with owner and CM.
- Include Temporary construction cores until permanent cores are installed.
- Provide temporary site fire extinguishers per Front End Documents
- Provide generators for the use of this scope until temporary power is available.
- Dry cutting of concrete/masonry is not allowed on site.
- Include the installation of owner provided accessories.
- Provide and maintain egress from existing buildings through construction areas during occupied hours.
- Include all architectural demolition as shown on construction documents.
- Provide and maintain temporary infills at demo areas directed to maintain a secure & weathertight building.
- Demo all surfaces to acceptance of CM to receive new finishes—include patching of holes.
- Cover adjacent areas to protect from dust and debris.
- Include all firestopping at all rated penetrations.
- Include all general notes/details as described in construction documents.

SPECIFICALLY INCLUDED

- Sheet A0.1A, demolition keynotes 1, 2, and 3, note salvaged items.
- Sheet A1.1A, patching notes.
- Metal Fabrications included on sheets S1.3 and S5.1
-

ALLOWANCES

- \$5,000 for temporary protection from weather, pedestrian traffic, holes, and other safety hazards.

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM

BP #4: 22071D CREEKSIDE INTERMEDIATE WINDOW REPLACEMENT

SPECIFICATION SECTIONS

02 4100 DEMOLITION (SCOPE RELATED)
05 5000 METAL FABRICATIONS
06 1000 ROUGH CARPENTRY
06 4023 INTERIOR ARCHITECTURAL WOODWORK
07 9200 JOINT SEALANTS (SCOPE RELATED)
09 9123 INTERIOR PAINTING
12 2400 WINDOW SHADES

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specification sections above complete.
- Include all general notes/details as described in construction documents.
- Provide/Install all wood blocking, coordinate with other trades.
- Include caulking of all joints at intersecting surfaces, i.e., solid surface
- Provide full-time, nonworking on-site supervision throughout the entire duration of the construction period, whenever this scope and your subcontractors are performing work to facilitate coordination, safety, quality workmanship and schedule compliance. Include attendance at all coordination meetings.
- Provide temporary site fire extinguishers per Front End Document.
- Dry cutting of concrete/masonry is not allowed on site.
- Provide and maintain egress from existing buildings through construction areas during occupied hours.
- Provide and maintain temporary window infills as directed to maintain a secure & weathertight building.
- Include window shades.
- Demo all surfaces clean to receive new finishes—include patching.
- Cover surrounding areas to protect from dust and debris.

SPECIFICALLY INCLUDED

- Solid surface stool/sill to be installed to existing CMU wall. Prepare surface to receive sill.
- Existing wall construction – replace masonry material that becomes damaged with new work.
- Replace unsuitable blocking at locations integral to window installation as directed by CM.
- Include aluminum edge trim, locate to accommodate roller shade housing.
- Reinstall all materials called to be demoed and then material stored to be reinstalled.
- Include demolition keynotes 1, 2,3, 4, and 6 on sheets A0.1A and A0.1B.
- Include patching notes 1, 2, and 3 on sheets A1.1A and A1.1B.

ALLOWANCES

- \$10,000 total for coordinating, installing, and maintaining temporary infills.

UNIT PRICES

- NONE

EXCLUSIONS

Dumpsters provided by CM

Demolition of windows by 08-01 contractor.

BP #5: 22070E DEXTER HIGH SCHOOL DOORS & HARDWARE

22073E MILL CREEK MIDDLE SCHOOL DOORS & HARDWARE

SPECIFICATION SECTIONS

- 02 4100 DEMOLITION
- 03 3000 CAST-IN-PLACE CONCRETE
- 07 9200 JOINT SEALANTS
- 08 1113 HOLLOW METAL DOORS AND FRAMES
- 08 1116 ALUMINUM DOORS AND FRAMES
- 08 1416 FLUSH WOOD DOORS
- 08 1610 FRP FACED ALUMINUM DOORS
- 08 7100 DOOR HARDWARE
- 08 8000 GLAZING
- 09 9123 INTERIOR PAINTING

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specification sections listed above complete.
- Provide/Install all wood blocking.
- Include caulking of all joints at intersecting surfaces.
- Include all patching/painting as defined in construction documents.
- Provide full-time, nonworking on-site supervision throughout the entire duration of the construction period, whenever this scope and your subcontractors are performing work to facilitate coordination, safety, quality workmanship and schedule compliance. Include attendance at all coordination meetings.
- Provide/install permanent cores, include coordination of coring with owner and CM.
- Include Temporary construction cores until permanent cores are installed.
- Provide temporary site fire extinguishers per Front End Documents
- Provide generators for the use of this scope until temporary power is available.
- Dry cutting of concrete/masonry is not allowed on site.
- Provide and maintain egress from existing buildings through construction areas during occupied hours.
- Include all architectural demolition as shown on construction documents.
- Provide and maintain temporary infills at demo areas directed to maintain a secure & weathertight building.
- Demo all surfaces to acceptance of CM to receive new finishes—include patching.
- Cover adjacent areas to protect from dust and debris.
- Include all firestopping at all rated penetrations.
- Include all general notes/details as described in construction documents.
- Include grouting of frames where required, including existing.
- Include aluminum doors.
- Include all glazing.
- Ensure all existing building systems are functioning as intended for accessibility and security integral to door systems, ADA push buttons, card readers, PA systems/cameras, night locks, etc.

SPECIFICALLY INCLUDED

- Include demolition keynotes 1 – 7 on multiple sheets for Dexter High School.
- Include patching keynotes 1 – 4 on multiple sheets for Dexter High School.
- Include demolition keynotes 1 – 9 on multiple sheets for Mill Creek Middle School.
- Include Demolition keynotes 1 – 4 on multiple sheets for Mill Creek Middle School.

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM.

BP #7: 22070G DEXTER HIGH SCHOOL FLEX SPACES

SPECIFICATION SECTIONS

02 4100 DEMOLITION
04 2000 UNIT MASONRY
05 1200 STRUCTURAL STEEL FRAMING
05 4000 COLD-FORMED METAL FRAMING
06 1000 ROUGH CARPENTRY
07 8400 FIRESTOPPING
07 9200 JOINT SEALANTS
08 1113 HOLLOW METAL DOORS AND FRAMES
08 1416 FLUSH WOOD DOORS
08 4313 ALUMINUM FRAMED STOREFRONTS
08 8000 GLAZING
08 7100 DOOR HARDWARE
09 0561 COMMON WORK RESULTS FOR FLOORING PREPERATION
09 2216 NON-STRUCTURAL METAL FRAMING
09 2900 GYPSUM BOARD
09 6513 RESILIENT BASES AND ACCESSORIES
09 6813 TILE CARPETING
09 8436 ACOUSTIC CEILING UNITS
09 9123 INTERIOR PAINTING

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specification sections listed above complete.
- Include caulking of all joints at intersecting surfaces in relation to scope of work, doors, frames, masonry, thresholds, etc.
- Include all painting as defined in construction documents.
- Provide full-time, nonworking on-site supervision throughout the entire duration of the construction period, whenever this scope and your subcontractors are performing work to facilitate coordination, safety, quality workmanship and schedule compliance. Include attendance at all coordination meetings.
- Install access doors provided by others.
- Provide/install permanent cores, include coordination of coring with owner and CM.
- Include Temporary construction cores until permanent cores are installed.
- Provide temporary site fire extinguishers per Front End Documents
- Provide generators for the use of this scope.
- Dry cutting of concrete/masonry is not allowed on site.
- Include the installation of owner provided accessories.
- Provide and maintain egress from existing buildings through construction areas during occupied hours.
- Provide and maintain temporary infills at demo areas directed to maintain a secure & weathertight building.
- Demo all surfaces to acceptance of CM to receive new finishes—include patching of holes.
- Cover adjacent areas to protect from dust and debris.
- Include all firestopping at all rated penetrations.
- Include all general notes/details as described in construction documents.
- Supply only all embeds, bearing plates, anchor bolts and bumper posts.
- Provide new lintels at all windows as required.
- Provide work in accordance with MIOSHA 6' fall protection standards using man lifts.
- Include ceiling modifications if required.

BP #7: 22070G DEXTER HIGH SCHOOL FLEX SPACES (CONTINUED)

- Include all miscellaneous metal shown on Architectural drawings not necessarily shown on Structural drawings.
- All insulation not specifically identified as another bid category is to be provided by this category.
- Include batt insulation in drywall partitions and loose in-eave voids and other voids as shown on drawings.
- Provide/Install all fire rated assemblies at top of drywall partitions.
- Include aluminum frames, barrowed lights, doors.
- Include all glazing.
- Include grouting of frames where required, including existing.
- Include cable suspended polyester felt baffles. Coordinate print/design with owner.
- Include protective wall coverings as described in the construction documents.

SPECIFICALLY INCLUDED

- Provide/Install all wood blocking excluding blocking for interior architectural woodwork, coordinate with other trades as needed. The 06-02 Interior Architectural Woodwork contractor will include their own blocking.
- Include all architectural demolition as shown on construction documents. Coordinate with 06-02 Interior Architectural Woodwork contractor to ensure sufficient casework installation conditions.
- Include demolition keynotes 1-11 on sheet A0.1G
- Include patching notes 1-6 on sheet A1.1G
- Include patching and repair of all surfaces affected by the 06-02 Interior Architectural Woodwork contractor during their demolition process.

ALLOWANCES

- \$20,000 for miscellaneous carpentry.

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM.

Bid Category 06-02: Interior Architectural Woodwork

BP #7: 22070G DEXTER HIGH SCHOOL FLEX SPACES

SPECIFICATION SECTIONS

02 4100 DEMOLITION
06 1000 ROUGH CARPENTRY
06 4023 INTERIOR ARCHITECTURAL WOODWORK
07 9200 JOINT SEALANTS

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include all layout required with this scopes.
- Include all interior architectural woodwork shown in the construction documents for alternate 1.
- For bidding purposes treat alt
- Include all wood blocking required to complete work.
- Include all demolition where materials required for this bid category are to be installed.
- Include specifications sections above complete.
- Include all general notes/details as described on construction documents.
- Cover adjacent areas to protect from dust and debris.
- The owner may revise quantity of benches described in alternate 1. Low bidders will be required to provide breakout pricing per unit at post bid interview.

Required Add Alternates

- Provide alternate 2 as a separate required alternate.

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM.

Bid Category 07-01: Roofing

- BP #8: 22072H WYLIE ELEMENTARY ROOF UPGRADES**
22075H ANCHOR ELEMENTARY ROOF UPGRADES
22076H JENKINS EARLY CHILDHOOD CENTER ROOF UPGRADES

SPECIFICATION SECTIONS

- 02 4100 DEMOLITION
06 1000 ROUGH CARPENTRY
07 3113 ASPHALT SHINGLE
07 5323 EPDM MEMBRANE ROOFING
07 6200 SHEET METAL FLASHING AND TRIM
07 7100 ROOF SPECIALTIES
07 9200 JOINT SEALANTS

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Provide/Install any required wood blocking within the roofing systems.
- Provide/Install all metal coping, ridge vents, gutters, boxes, downspouts, scuppers, expansion joints, hatches, gravel stops and flashings with sealants.
- Include generators for the use of this scope.
- Provide work in accordance with MIOSHA 6's fall protection standards. Provide written fall protection plan for each area of roofing work i.e., flat, sloped, access to areas, etc.
- Include specification sections listed above complete.
- Include all general notes/details as described in construction documents.
- Protect and accommodate all existing roof conditions. Repair if required.
- Ensure all existing roof conditions including existing roof drains are free and clear of debris.
- Include keynotes/roof plan notes as shown on construction documents.
- Include covering any openings created during the construction process.
- Ensure weather tight building for entire duration of project.
- Include flashing and weather sealing of all existing roof top equipment/structures.
- Include custom color requirements for sheet metal to match existing.
- Include own dumpsters for demoed material.

SPECIFICALLY INCLUDED

Required Add Alternates

- The roofing scope of work listed above for project number 22075H (Anchor Elementary) including alternate 1.
- The roofing scope of work listed above for project number 22072H (Wylie Elementary)

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- NONE

Bid Category 08-01: Aluminum & Glazing

BP #4: 22071D CREEKSIDE INTERMEDIATE WINDOW REPLACEMENT

SPECIFICATION SECTIONS

02 4100 DEMOLITION (SCOPE RELATED)
07 6200 SHEET METAL FLASHINGS AND TRIM
07 9200 JOINT SEALANTS (SCOPE RELATED)
08 5113 ALUMINUM WINDOWS
08 8000 GLAZING
08 9100 LOUVERS

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specification sections above complete.
- Include all general notes/details as described in construction documents.
- Include coordination with 06-01 contractor to maintain weather tight, secure conditions always.
- Include removal & disposal of temporary window door infills if necessary.
- Include coordinate of wood blocking with 06-01 contractor.
- Include all aluminum to adjacent surfaces joint sealants, interior and exterior, and within your systems.
- Include all metal flashings required.
- Include final cleaning of all window/glass surfaces at the end of the project as directed by CM.
- Include demo & disposal of windows with installation of new to always maintain a watertight & secure condition.
- All dimensions must be field verified.

SPECIFICALLY INCLUDED

- Extruded aluminum sill by window contractor. Prepare existing condition to receive aluminum sill.
- Existing structural columns to be wrapped by window contractor. Finish to match prefinished aluminum window system.
- Include Demolition Keynotes 5 and 7 on sheets A0.1A and A0.1B
- Include specific window units to include operable egress sash as shown on the construction documents.
- Label all egress in accordance with state building requirements.
- Replace existing wood trim panel-wrap with aluminum to match existing paint color.
- Include new mechanical louver installed into new frame system. Blank off unused louver portion with 1" insulated metal panel. Reuse existing VUV ductwork.
- Remove and replace existing fascia trim panel as necessary for window replacement-trim to be wrapped with aluminum to match existing paint color.

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM

Bid Category 13-01: Special Construction (Pools)

BP #1: 22070A DEXTER HIGH SCHOOL POOL UPGRADES

22072A WYLIE ELEMENTARY POOL UPGRADES

SPECIFICATION SECTIONS

07 9200 JOINT SEALANTS (SCOPE RELATED)
13 1100 SWIMMING POOLS
13 1101 SURGE TANK CAST IN PLACE CONCRETE
13 1105 SELECTIVE DEMOLITION

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specification sections above complete.
- Protect all adjacent areas from damage during construction.
- Include caulking of all joints at intersecting surfaces in relation to scope of work.
- Include all general notes/details as described in construction documents.
- Include concrete scope of work as described in construction documents. Including excavation, backfill, and compaction.
- Note that all dimensions are approximate and susceptible to variance. Verify dimensions accordingly.
- Protect and coordinate with existing mechanical layout and equipment per construction documents.
- Provide/Install and necessary hangers, supports, and concrete pads required to complete scope of work.
- Include access doors required for items included in scope of work. To be installed by 06-01.

SPECIFICALLY INCLUDED

- Project No. 22070A, Sheet AQ0.1 pool demolition keynotes D2, D3.
- Project No. 22072A, Sheet AQ0.1 pool demolition keynotes D2, D3 (Pumps), D4, D5, D6, D7.
- Coordinate removal/replacement of equipment with electrical contractor.
- Sheet AQ4.1, surge tank notes.

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM.

Bid Category 21-01: Fire Suppression

BP #2: 22070B DEXTER HIGH SCHOOL SPRINKLER UPGRADES

SPECIFICATION SECTIONS

02 4100 DEMOLITION
20 0500 MECHANICAL GENERAL REQUIREMENTS
20 0510 BASIC MECHANICAL MATERIALS AND METHODS
21 1100 FIRE SUPPRESSION SYSTEM

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specifications sections above complete.
- Include all general notes/details as described on construction documents.
- Provide and submit all drawings for State approval.
- Provide all layout required with this scope.
- Provide/Install/Certify backflow preventer for fire suppression system.
- Coordinate with owner for monitored valves, etc.
- Provide/Install all fire stopping of rated wall penetrations ahead of ceiling installations.
- Provide flush of system, including disconnection at building entrance point just prior to acceptance by state representative. Provide flush reports for state acceptance as well.
- Provide/Install all fire stopping of rated wall penetrations ahead of ceiling installations for this scope.
- Remove and replace all ceiling systems required to complete the scope of work. Any portion of the ceiling system that is damaged during the removal/replacement process is to be replaced with owner provided attic stock.
- Survey and document existing condition of fire suppression system. Provide report to owner making recommendations for repairs.

SPECIFICALLY INCLUDED

- Construction keynote on many sheets "Provide manual air vent on existing sprinkler system for stem draining/filling".

ALLOWANCES

- \$50,000 for sprinkler pipe replacement as directed by construction manager.

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM

Bid Category 23-01: Building Automation System

BP #3: 22070C DEXTER HIGH SCHOOL B.A.S

22071C CREEKSIDE INTERMEDIATE B.A.S

22072C WYLIE ELEMENTARY B.A.S

SPECIFICATION SECTIONS

02 4100 DEMOLITION

20 0500 MECHANICAL GENERAL REQUIREMENTS

20 0510 BASIC MECHANICAL MATERIALS AND METHODS

20 0700 MECHANICAL INSULATION

20 2923 VARIABLE FREQUENCY CONTROLLERS

23 0593 TESTING, ADJUSTING, AND BALANCING

23 0933 TEMPERATURE CONTROLS

26 0010 ELECTRICAL GENERAL REQUIREMENTS

26 0519 CONDUCTORS AND CABLES

26 0526 GROUNDING AND BONDING

26 0529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

26 0533 RACEWAYS AND BOXES

26 0553 ELECTRICAL IDENTIFICATION

26 2416 PANELBOARD CIRCUIT BREAKERS

28 3500 REFRIDGERANT MONITORING SYSTEM

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include all layout required with this scopes.
- Include all concrete cutting, excavation, backfill, and patching where required.
- Include specifications sections above complete.
- Include all general notes/construction/details as described on construction documents.
- Include all scope items as indicated on the construction documents with "(ON ROOF)".
- Include new and modification of existing penetrations required to perform the scope of work.
- Include repair of any surfaces affected by creating penetrations including roof repairs (watertight).
- Clean all concrete slurry created from cutting/coring.
- Protect existing conditions and provide repairs if damaged.
- Include all required wiring, conduits, devices, and equipment shown on construction documents.
- Include fireproofing/caulking of all penetrations.
- Remove and replace all ceiling systems required to complete the scope of work. Any portion of the ceiling system that is damaged during the removal/replacement process is to be replaced with owner provided attic stock.
- Comply fully with commissioning requirements per the individual specifications. Coordinate all activities with CM and owners commissioning agent.
- Include all trade permits.
- This bid category is intended to be turnkey for all work shown on bid package 3 documents, including demo, electrical, mechanical etc.

SPECIFICALLY INCLUDED

- Turn all operable devices over to the owner that are removed to be replaced.

Required Add Alternates

- The scope of work listed above for project number 22072C (Wylie Elementary)
- The scope of work listed above for project number 22070C (Dexter High School.)

ALLOWANCES

- \$15,000 for above ceiling existing low voltage support

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM.

Bid Category 26-01: Electrical

BP #1: 22070A DEXTER HIGH SCHOOL POOL UPGRADES

22072A WYLIE ELEMENTARY POOL UPGRADES

SPECIFICATION SECTIONS

26 0010 ELECTRICAL GENERAL REQUIREMENTS
26 0519 CONDUCTORS AND CABLES
26 0526 GROUNDING AND BONDING
26 0529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
26 0533 RACEWAYS AND BOXES
26 0553 ELECTRICAL IDENTIFICATION
26 0999 ELECTRICAL TESTING
26 2416 PANELBOARDS
26 2726 WIRING DEVICES
26 2813 FUSES
26 2816 ENCLOSED SWITCHES AND CIRCUIT BREAKERS
26 2913 ENCLOSED CONTROLLERS

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include specification sections above complete.
- Include all general notes/details as described in construction documents.
- Include all layout required with this scope.
- Provide/Install all fire stopping of rated wall penetrations ahead of ceiling installations for this scope.
- Include access doors required for items included in scope of work. To be installed by 06-01.
- Include disconnects for mechanical/pool equipment as shown on construction documents.
- Include all smoke detectors for mechanical/pool equipment as required.
- Include any necessary hangers, supports, and concrete pads required to complete scope of work.
- Remove any existing housekeeping pads as required.
- Include disconnecting/connecting of all electrical components to mechanical/pool equipment.
- Coordinate electrical scope with general trades contractors around new work as required.
- MISSDIG required for all excavation work (ticket number to be provided to CM prior to excavation)
- Selective demolition for electrical items as described in construction documents.
- Remove and replace all ceiling systems required to complete the scope of work. Any portion of the ceiling system that is damaged during the removal/replacement process is to be replaced with owner provided attic stock.
- Coordinate shutdowns with owner. Mandatory three-day notice. Shutdowns must be performed in off hours.
- Include all grounding and bonding requirements for electrical work in a pool environment.

SPECIFICALLY INCLUDED

- Sheet E0.2, pool schematic bonding detail.
- Sheet E2.1A, construction keynote 1
- Sheet E3.1, construction keynotes 1, 2, 3.
- Sheet E5.1, construction keynotes 1,2.
- Sheet ED1.1, demolition keynotes A, B.
- Sheet ED1.1A, demolition keynote A.
- Project No. 22070A, Sheet AQ0.1 pool demolition keynotes D1.
- Project No. 22072A, Sheet AQ0.1 pool demolition keynotes D1, D3 (motor starters, conduit, wiring).

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM

BP #6: 22072F WYLIE ELEMENTARY PRIMARY SERVICE

SPECIFICATION SECTIONS

26 0010 ELECTRICAL GENERAL REQUIREMENTS
26 0513 MEDIUM VOLTAGE CABLES
26 0519 CONDUCTORS AND CABLES
26 0526 GROUNDING AND BONDING
26 0529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
26 0533 RACEWAYS AND BOXES
26 0553 ELECTRICAL IDENTIFICATION
26 0999 ELECTRICAL TESTING
26 1300 MEDIUM VOLTAGE SWITCHGEAR

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include all layout required with this scopes.
- Include all excavation/backfill for site electrical work, including concrete for duct banks, transformer pads, vaults.
- Include safety fencing around all open excavations at the end of each shift.
- Include housekeeping/equipment pads, and modification of existing housekeeping/equipment pads.
- Include specifications sections above complete.
- Include all general notes/details as described on construction documents.
- Coordinate shutdowns with owner. Mandatory three-day notice. Shutdowns must be performed in off hours.
- Expected lead times will not allow this work to be completed in summer of 2024. Assume installation in summer of 2025. Please provide the expected lead time at post bid interview.
- Owner will be installing a solar field that will connect to transformer T-5. Plan accordingly.

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM.

BP #7: 22070G DEXTER HIGH SCHOOL FLEX SPACES

SCOPE OF WORK CLARIFICATIONS

GENERALLY INCLUDED

- Include all layout required with this scope.
- Provide/Install all fire stopping of rated wall penetrations.
- Include any required access doors for installation by bid category 06-01.
- Include all IT sleeves and conduits complete.
- Include all general notes/details as described on construction documents.
- Include demolition of electrical devices/fixtures, including those in areas to be demolished by the 06-01 and 06-02 contractor.
- Include all devices and fixtures on construction documents.

ALLOWANCES

- NONE

UNIT PRICES

- NONE

EXCLUSIONS

- Dumpsters provided by CM.