

GROSSMONT UNION HIGH SCHOOL DISTRICT

MMHS SCIENCE BUILDING MODERNIZATION MULTI-PRIME

**ATTACHMENT E
BID PACKAGE**

CN-4068

CONCRETE

TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE—CN-4068
CONCRETE – VERSION 01

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The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. GENERAL REQUIREMENTS: The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s) and Reports:

- DIVISION 00
- DIVISION 01
- 03 31 00 – Concrete Forming and Accessories
- 03 20 00 – Concrete Reinforcing
- 03 30 00 – Cast-In-Place Concrete
- 03 35 00 – Concrete Finishing
- 07 10 00 – Dampproofing & Waterproofing
- 07 13 00 – Sheet Waterproofing
- 07 92 00 – Joint Sealants

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be B, or (C-8 and C13 and C50).

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the Contract Documents. These submittals shall be delivered to the Construction Manager not later than the below listed dates:

- a. Concrete and Formwork Product Data. Including but not limited to: all Forming Systems; Concrete Product Data including Mix Designs for all mixes, Base and Sand Gradations and Data, Vapor Barriers, Curing Blankets, Curing Compounds, Sealers, Formwork Shop Drawings, Joint Layout Drawings, Material Certificates, Inserts, and Embeds, etc.

Due: 14 Calendar Days after Notice to Proceed

- b. Rebar Shop Drawings for all Foundations and Slab on Grade

Due: 14 Calendar Days after Notice to Proceed

- c. All Concrete Finish Mock-ups

Due: 28 Calendar Days after Notice to Proceed

- d. All other submittals

Due: 14 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others.
5. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that the following critical long lead items are delivered to the project site by the noted delivery date regardless of approval status.
6. Prime Contractor has included provisions to store fabricated material off-site until required installation date.
7. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule (Attachment F) issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction. **Schedule will be very important on this project as the school needs to open this building for the fall 2025 semester. This concrete prime contractor needs to hit all dates listed in the bid schedule as to not delay other prime contractors.**
8. Prime Contractor has reviewed the Project and is aware of existing conditions.
9. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc. to achieve this. Perform during off-hours as required to avoid disruption of campus operations.
10. Comply with all City, County and State requirements, prepare haul route and obtain permits as required.
11. Prime Contractor will be responsible for any damage to areas or finishes not scheduled for demolition as a result of their operations. Protect all surrounding walkways and landscaping areas surrounding the building. Upon completion of the prime contractors work the surrounding hardscapes and softscapes shall be free of

any stains, tire marks or damage of any kind caused by this prime contractors work.

12. CalOSHA compliant safety eye protection is required at all times for all personnel, workers, and visitors on the construction site in accordance with District Standards.
13. Include all work as referenced by notations: "by Concrete Contractor", "by General Contractor" (as it applies to the scope contained herein), or similar that may be noted throughout the entire set.
14. Prime Contractor shall provide protection of existing finishes to remain including installation and maintenance of dust and weather barrier.
15. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade contracts.
16. It is understood that the Trade Contractor Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in these Trade Contractor Specific Provisions.
17. It is understood that all crane, trucks, concrete pumping equipment, wash outs, etc. must be staged within the project site boundaries. Prime Contractor must visit the site and prepare a pump plan prior to scheduling concrete pumping equipment. Pump plan to be approved by the CM prior to implementation of said plan.
18. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Concrete Contractor.
19. Prime Contractor shall maintain and record as-built information of his work in a current condition. The Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
20. Daily clean-up of all debris related to the work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of off-site by this Bid Package Contractor. All Bid Package Contractors, while on site, will provide a clean-up laborer to be included in a weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide 2 hours of clean-up labor for 35 total weeks.
21. Give 48-hour written notice to both Construction Manager and Inspector of Record prior to the initial start and all subsequent phases of shop fabrication.

22. Prime Contractor will have all required local and state licenses and certifications as to allow shop fabrication without deputy inspection. Prime Contractor's field welders will have all required licenses /certifications as required by the Contract Documents and Local Authorities. Where local/state welding requirements are more stringent than the specified welding requirements; the most stringent shall govern.
23. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other prime Contractors as required by the Construction Manager.
24. This Prime Contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and coordinate this contract work with all other related trades. This Prime contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements. This is a tight schedule, overtime and weekend work will be required to hit the schedule dates. Please plan accordingly and assume that your crews will be working overtime and working weekends to get this project done on time.
25. Prime Contractor is responsible to provide all layout for its work from survey control points and lines, including all building corners, grid lines, offsets, elevations, etc.
26. Provide all necessary protection for new work and adjacent finishes from Prime Contract work operations. Include steel plates, plywood, plastic and masking protection as required. Prime Contractor is responsible to maintain/repair/replace any temporary barricades that are moved or damaged by its work. Prime Contractor is responsible to protect all existing structures/MEPs/benchmarks/miscellaneous items as required by the Contract Documents during this Prime Contractor's work.
27. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
28. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
29. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on

site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.

30. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.
31. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
32. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.
33. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope. The concrete polish mockup and any hardscape mockups may be in place mockups but the prime contractor will need to factor in an additional mobilization so they can be complete before the rest of the scope.
34. Prime contractor has reviewed the Attachment J – As-Builts and is aware of the existing building and site conditions.
35. The general site wide storm water pollution prevention plan (SWPPP) or water Pollution Control Program (WPCP) will be prepared and implemented by this Prime Contractor. Prime Contractor shall assume full responsibility to maintain, monitor and modify the SWPPP/WPCP as required by state law and through the entire construction duration. Furnish, install, modify & maintain all SWPPP/WPCP improvements for the project duration, and remove when directed by the Construction Manager. The exterior scope on this project is very minimal. Include clean up of exterior work areas and street sweeping as needed.

II. REINFORCING STEEL INCLUSIONS: The following items are specifically included in the Reinforcing Steel scope of this Contract:

1. Prime Contractor to furnish and install all reinforcing steel and related accessories for concrete work as required by the Contract Documents.
2. Coordinate all shop fabrication / field inspection. (Costs of inspection by others.)

Become completely familiar with testing requirements and coordination of mill certificates, labeling, tagging, and stamping of steel during the fabrication process, shipment to jobsite and erection. No unidentified steel shall be used. All steel will have mill certifications and be properly identified (source, heat or melt number, etc.). If required, the Inspection Firm will take steel samples and will perform destructive tests. Accordingly, purchase steel in such quantity, length, size, etc. to allow steel samples to be taken from the actual elements to be used in construction. Coordinate this "couponing" of the steel and provide the samples required by the Testing Laboratory. Provide adequate access for Inspectors to all elements of work. Means of access include ladders, lifts, scaffolds, etc. Costs for re-inspection of any work as a result of previous failed inspection will be the responsibility of this Prime Contractor.

3. Coordinate locations/placement of all reinforcing with all other building elements i.e., reinforcement bar, dowels, embeds for other trades, electrical work, blockouts, sleeves, forming systems, etc. reposition reinforcing as required to provide proper clearances.
4. All material shall be clean of all scale, rust, oils, dirt, foreign matter etc., immediately prior to concrete placement.
5. Directly coordinate with the Construction Manager and for all schedule and specific job requirements, as follows:
 - a. Delivery, stockpiling, staging and distribution of materials.
 - b. Minor revisions in fabrication and dimensions to reinforcing steel/mesh due to actual field conditions, stepped footings, elevation changes, etc.
6. Remove all surplus reinforcing materials and debris from Project as directed by the Construction Manager.
7. Furnish and install all chairing and spacers for work as required. All rebar mats for SOG will be dobed (pulling is not acceptable).
8. Supply sufficient personnel during concrete placement (Pour Watch) to ensure reinforcement is maintained within the required tolerances.
9. Furnish, install, and maintain rebar dowel protectors in accordance with OSHA requirements.
10. Straighten/replace rebar/mesh that is temporarily removed, bent, and/or adjusted by other trades.
11. Welding of reinforcing steel as required per the Contract Documents. Welders must be certified by applicable organizations. Welding Certificates shall be furnished to Construction Manager as required per Specifications.
12. The prime contractor shall work directly with all other prime contractors to coordinate any reinforcing steel with any existing/new MEP and structural

members.

III. CONCRETE INCLUSIONS: The following items are specifically included in the Concrete scope of this Contract:

1. Furnish and install all Structural/CIP Concrete and Site Concrete including, but not limited to foundations, slabs on grade, thickened slab edges, restroom curbs, stairs, equipment pads, patch-back, slab infills, curbs at building walls where indicated, driveways, sidewalks, curb and gutter, flatwork, caulking or joint filling at exterior concrete, and all others. This includes all required slab patch back for UG utilities, be sure to bid the full set of plans.
2. Furnish and install crushed rock base materials below concrete work as required by the Contract Documents. Furnish and install all vapor barriers below slabs. Do not puncture vapor barrier with form stakes, screed pins or any other item. Seal all pipe and conduit penetrations in accordance with manufacturer's recommendations and/or specification requirements. Prime Contractor is responsible to furnish and install the concrete adhesive anchor system, and all of its necessary components as noted on sheet S-001.
3. Prime Contractor to provide the concrete paving joint sealants at any exterior concrete panel being replaced or modified as conveyed in specification section 321373. Contractor to accommodate the expansion and contraction joints within the concrete pavement, and the joints between the concrete and asphalt pavement. Contractor to use a cold-applied joint sealant as provided in spec. section 321373 and as indicated in the construction documents.
4. Include slab on grade, depressed slabs, equipment pads, etc. as indicated on structural and architectural foundation Plans and other such locations.
5. Furnish and install all concrete sitework as detailed in the Architectural and Structural Plans.
6. Prime contractor shall include the repair/replacement of existing concrete panels out of ADA compliance along the path of travel depicted on sheet AS102.
7. Include interior and exterior housekeeping pads for all equipment and enclosures as required. For bidding purposes, Prime Contractor shall assume all floor mounted water heaters, floor mounted transformers, floor mounted electrical panels, dust collection systems, floor mounted mechanical equipment shall require a concrete housekeeping pad.
8. Prior to starting any work, check for ADA compliance as required to match and join adjacent surfaces.
9. Obtain and pay for all concrete mix designs required for project. Mix designs shall comply with all Contract Document requirements.
10. Directly coordinate with all trades that require sleeves in concrete work. Verify

dimensions, locations and special requirements of openings, penetrations, sleeves, and blockouts in concrete work with other trades prior to pours. Install sleeves and block-outs and infill later.

11. At buildings, install all framing anchor bolts and structural embeds in concrete. Framing Prime Contractor will provide the anchor bolts for Concrete Prime Contractor's installation. They will provide either a layout drawing or layout in the field. Concrete Prime contractor will complete the installation. Coordinate directly with other Prime Contractors that have embedded items in concrete.
12. It is the responsibility of this Prime Contractor to coordinate and schedule all required testing and inspections for this scope of work. Construction Manager shall be notified of any and all such inspections and tests. Costs of inspection and testing will be by other except for re-inspection or premium time costs.
13. Furnish and install construction joint slip dowels and smooth round bar as required.
14. Provide all cold joints, construction joints, expansion joints, control joints, keyways, saw-cut joints, pre-formed joint fillers, etc., as required by the Contract Documents. If applicable, include foam or other separation materials at special conditions. Reference typical details throughout the Drawings. All joints shall be square and true using good equipment with sharp blades to accomplish cuts without spalling.
15. Install all embeds, inserts, anchor bolts, sleeves, reglets, handrail/guard rail sleeves etc., (furnished by others unless noted otherwise) in concrete work. Provide templates, racks, etc., as required to secure items during pouring operations.
16. This Prime Contractor is responsible for:
 - a. Keeping all streets and roads free of debris caused by this Prime Contractor and repairing any damage caused by work operations.
 - b. Controlling dust during work operations.
 - c. Ensuring all work areas are adequately drained and bermed to prevent inundation by surface water.
 - d. Protecting designated areas or items from damage by work operations.
 - e. Flagmen, barricades, traffic control during work operations.
17. At the conclusion of all work and when directed by Construction Manager, power wash all surrounding exterior sidewalks and clean-up all sidewalk areas.
18. Prime contractor shall clearly layout all sawcut and demo needed for the demolition prime contractor. This layout will need to occur prior to this prime contractor's mobilization.
19. Prime contractor shall include all excavation, import/export, grading and compaction needed prior to placing new concrete slabs, thickened edge and site hardscape.

20. Remove all surplus spoils. Prime Contractor is aware of the non-suitability of existing on-site soils that are not to be used as structural fill. All import soils must be certified free from health hazard contaminants in accordance with DTSC requirements. Prime Contractor is responsible for all costs associated with testing, research, and certification of the import site or materials plant to ensure import materials are in complete compliance.
21. All spoils generated by the work included in this Contract shall be removed from the site and disposed of in a legal manner by this Prime Contractor.
22. Include all necessary fine grading under and surrounding all concrete work. This includes a final pass with a compactor/wacker to meet compaction requirements in all areas.
23. Immediately and continuously de-water and pump out to appropriate drainage receptacle; all footings, pits, structural excavations, etc., as required by water ponding and weather conditions. Automatic pumps shall be used during all off-hour periods of construction. Immediately clean, "muck-out", remove soft/muddy soils from all foundation and pit excavations as required by Inspector or Soils Engineer so that work may continue. If required, remove/replace formwork, reinforcing steel, embeds, etc., as required to clean out foundations/pits.
24. Furnish and install all curing/hardener/sealer compounds. Verify and assure that all compounds are fully compatible with future flooring/finish applications.
25. Install all required slab depressions and proper sloping of structural slabs for architectural concrete topping slabs, ceramic/quarry tile, special flooring, cast stone, thresholds, kitchen equipment, etc. Verify all dimensions and specific requirements with the respective trades. If a discrepancy occurs between the Contract Drawings, specifications and/or finish schedule, the Construction Manager shall be notified immediately. If a depression was not provided, or incorrectly placed, then make all required corrections.
26. Protect all in slab/below slab embeds during and after concrete placement. This specifically includes but is not limited to electrical raceways, floor boxes, floor drains, etc.
27. Slope all floor slabs to drains as required by the Contract Documents.
28. At all anchor bolts and other embedded items, properly coat and clean all threads as required to allow tightening of bolts without further cleaning action. Install all washers and nuts on embeds.
29. Prime Contractor shall dig all thickened edges for site work concrete, including but not limited to ramps, sidewalks, raised curb sections, etc.
30. Prime Contractor shall install all concrete control joints per plans and specs.
31. Prime Contractor shall utilize smooth face form boards for all exposed concrete

forming such as exposed retaining walls.

32. Include all required concrete patch work in areas where new utilities are shown in areas of existing concrete. Patch work includes but is not limited to finish grading, base & other fill (as specified), doweling, epoxying, & new concrete section.
33. Include 5 ea. 40 CY trash dumpsters for all trades to use to dispose of non-hazardous debris. (Concrete wash out is not to be placed in these dumpsters).
34. Prime Contractor includes one hundred (100) additional journeyman labor hours. The Construction Manager/District may authorize the use of these hours.
35. Prime Contractor shall provide concrete joint (all types) layout shop drawings prior to pouring concrete. Concrete joints shall be installed per specifications and ACI standards.
36. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include four (4) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization. The interior patching may need to be completed in phases and will not necessarily be ready all at once. The prime contractor needs to mobilize as needed to meet the schedule durations.
37. Prime Contractor includes all concrete polish per specification section #033500 – Concrete Finishing. Provide all patching and prep needed prior to concrete polish. A mockup shall be provided of the specified concrete polish for the design teams review and approval prior to mobilization.
38. Provide an additional twenty (20) hours of concrete patching to prep for concrete polish. The Construction Manager/District may authorize the use of these hours.
39. Include multiple mobilizations for the concrete polish activities as the whole building may not be available at once. Forbidding purposes include 2 separate mobilizations for concrete finishing.
40. Include floor protection of concrete finishing. Floor protection shall be 'Skudo' type or better. Floor protection should be applied to polished concrete as soon as the manufacturer allows. Include removal of this floor protection once finishes have been installed, prior to final clean.
41. This prime contractor owns the entire set of drawings including structural, architectural, plumbing, mechanical and electrical. Provide all concrete patching required on the drawings and required to achieve the intent of the drawings. There is trenching required for MEP primes that is not shown on the architectural floor plan so be sure to include trenching required for the entire set of drawings. At all trenches, assume a minimum trench width of 2'-0" unless a larger trench is shown.
42. Include new striping per sheet AS501.

43. Include new concrete footings for the drinking fountain handrails per 13/AS501. Include excavations and soils removal. Include connections to existing concrete and sealants between new and existing concrete.
44. Provide and install the new drinking fountain handrails per 13/AS501. Include sleeves as needed. Include coring as needed.
45. Include modifications to existing handrails per detail 4/AS501.

VI. DAMPPROOFING AND WATERPROOFING AND JOINT SEALANT INCLUSIONS:

Prime Contractor has all the following items specifically included in the Dampproofing, waterproofing, and joint sealant scope of this Contract.

1. Complete System - Furnish and install all waterproofing products exactly as specified and in full compliance with the manufacturer's instructions. Prime Contractor shall complete all Waterproofing work currently shown, inferred, or which can be reasonably anticipated to provide a complete working Waterproofing system. No exclusion from or limitation in plans and specifications shall be reason for omitting any item necessary to complete the work. No change orders shall be issued to this Prime Contractor unless the Owner revises the scope of work shown on the Contract Documents and waterproofing materials schedule.

VII. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-4068 Allowance #1: Unforeseen Concrete = \$25,000.00

VIII. ALTERNATES: N/A

IX. EXCLUSIONS: N/A