



Trade Partner Scope of Work

Exhibit A

BP- 03A Concrete (Turnkey)

North Brunswick High School Addition and Renovations

A. The subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

Supplemental Instructions to Bidders dated April 17, 2020

S&ME Geotechnical Exploration Report dated August 21, 2019

Associated Specifications:

Division 00 Procurement and Contracting Requirement

Division 01 General Requirements

03 30 00 CAST-IN-PLACE CONCRETE

071326 SELF-ADHERING SHEET WATERPROOFING – As applies to own work

B. Subcontractor's work specifically includes:

1. All bidders to note project includes all plans and specifications for the Two-Story Classroom Addition, ROTC Building, Cafeteria Expansion, and Classroom 413 Renovations.
2. Subcontractor is responsible for own layout, bench point to be provided by Civil Contractor.
3. Building pad to be received at 2/10ths +/- final subgrade elevation, prior to foundation excavation. Subcontractor is responsible to re-grade after foundation & under slab rough in are complete. Spoil removal to central stock pile outside of building pad.
4. Furnish and install all concrete and reinforcing steel as required to provide a turn key structural concrete package. Please note any rebar embedded in footings or slab should be included.
5. Setting of imbeds and anchor bolts supplied by others. Provide anchor bolt survey prior to steel erection.
6. Provide and install grout at steel column base plates, clean anchor bolts, adjust anchor bolt setting nut to elevation.
7. Installation of granular/porous fill under slab, once MEP rough in is complete. Fill to be provided by others.
8. Provide and Install Vapor barrier.
9. Provide and Install W.W.F.



10. Backfill of footings after subgrade masonry is installed.
11. Provide necessary hot weather or cold weather concrete protection methods
12. Housekeeping pads for mechanical, electrical and plumbing equipment, to be laid out by equipment supplier. Concrete material may need to be wheel barreled through building to location.
13. Pour stop / forming at locations where no structural steel or masonry is shown.
14. Supply & install drainage pipe around elevator pit. Drainage pipe to be day-lighted outside of building envelope for Civil Contractor to connect to.
15. Provide and install grout at steel column base plates.
16. Stair pan concrete infill.
17. Saw cutting of concrete joints.
18. Forming of own work
19. Dewatering of ground and casual water for own work.
20. Subcontractor shall be responsible for water curing and keeping slab covered during slab curing time. Wet curing of slab is the only acceptable method, no curing compound will be allowed
21. Subcontractor is responsible to insure slab finish and tolerances are compatible with floor finishes as specified in Division 9.
22. Subcontractor is responsible to install plywood column block out covers (after the slab is poured) in accordance with prevailing safety authority requirement.
23. Subcontractor is responsible for minor demo to tie in foundations systems or structural concrete components of building.
24. Subcontractor to provide insulated concrete cylinder curing box for Special Inspections Agency.
25. Subcontractor to hire licensed termite control soil treatment company to pretreat slab on grade prior to vapor barrier being installed. See applicable specification section for material.
26. Provide and install all required water proofing at elevator pit.
27. Contractor is responsible for installation of vertical rebar protective caps and to install approved safety protection around all pits and open excavation.
28. Include all vibration necessary to provide proper consolidation of concrete, free from voids and or pockets.
29. Concrete wash out to be done in area provided by CM@R team. Any concrete washed out other than in provided area will be cleaned up at Concrete Subcontractors expense.
30. Subcontractor shall also review Structural Steel, Electrical, Mechanical and Plumbing Drawings in conjunction with the architectural and structural drawings for all block outs for utilities and placement of anchor bolts and embeds etc. Subcontractor acknowledges this Structural Steel, Electrical, Mechanical, and Plumbing information must be coordinated with others and said layout information may not be available or provided to Subcontractor during initial formwork shop drawing preparation. Subcontractor will interpret contract drawings for coordination information during shop drawing preparation and identify such requested information via "clouding". All requested information shall be obtained during shop drawing approval and this



Subcontractor shall make all final corrections prior to fabrication incorporating all coordinated information at no additional cost.

- 31. Mock up panel foundation
- 32. Installation of bollards (including concrete fill). Steel bollards provided by BP-05A

C. Subcontractor Specific Requirements:

- The following is a general outline of items specifically included, but not limited to, under this agreement:

- A. Submittals must be uploaded onto WMJ Sharepoint site for review. To gain access to Sharepoint site please contact the Construction Manager within 5 days of receiving the contract. All submittals are expected to be received no later than 20 days of receiving the contract unless discussed and approved by the Construction Manager.
- B. Delivery Requirements: As coordinated by Subcontractor with WMJ on site Superintendent. Subcontractor is responsible to coordinate deliveries with vendors. The construction manager will not provide equipment to unload subcontractor materials. Please keep in mind the school will be in session during normal school hours and all deliveries must be scheduled. NO DELIVERIES WILL BE ACCEPTED BETWEEN THE HOURS OF 7:00AM AND 8:00AM and 2:00 and 3:30PM MONDAY THROUGH FRIDAY (this excludes deliveries on small company pickup trucks and/or small box trucks as approved by project superintendent). Saturday deliveries will be accepted only on the approval of the project Superintendent.
- C. Subcontractor is responsible for scheduling, coordinating, preparing and documenting all testing, inspections, and punch-list with the Owner, Architect, Engineer, Owner's Commissioning Agent, inspection agencies, and required local authority(s) having jurisdiction. All pre-testing and testing requirements needed to achieve temporary and permanent certificate of occupancy and the construction schedule is included.
- D. It is the responsibility of this Subcontractor to anticipate inspection delays in the installation durations and sequence such work ahead of others as not to impose delays in the schedule.
- E. Any and all requirements for mockups for approval of assemblies on this project are fully included.
- F. In addition to the requirements of the specifications, Subcontractor will supply Shop Drawings that include all dimensions, mounting details, and/or pad layout, weight, color, power requirements, ventilation requirements, and all special attachments and mounting details as applicable to their own scope.
- G. This Subcontractor should provide protection for ANY new and existing installations as part of this Project. If protection provided by others is not sufficient to support/protect the work as part of this scope, this Subcontractor shall provide additional protection as may be required to fully protect that equipment or installation.
- H. All damage to paint primers or applied factory finishes damaged during install shall be repaired by this Subcontractor.
- I. Final cleaning of all equipment prior to Final Project Completion including removal of shipping stickers, etc. This shall apply to all existing installations as well as new installations

D. Allowances:



- a. The Subcontractor is to include the following allowances in their base bid amount. These allowances will include all overhead and profit and will be identified on a separate line item in the payment application schedule of values. The Construction Manager is solely responsible for determining what work will be charged against these allowances and all said work must be authorized in writing by the Project Manager or Superintendent prior to commencing. Subcontractor will submit daily work slips for verification and actual costs against this allowance will be reconciled at the completion of the project. Any work performed by Subcontractor that was not previously authorized by the CM will not be reimbursed.

E. Unit Prices

- a. Unit prices quoted and accepted shall apply throughout the duration of the contract and are inclusive of all overhead costs, insurance, bonding and profit. If necessary, Subcontractor agrees to provide labor and/or materials and/or equipment to perform the following work on a unit price basis for the unit prices stated below. Should additional Unit Prices be necessary, these will be agreed upon and included here after the completion of the post-bid scope review meeting

F. Alternates:

- a. The subcontractor is directed to reference the big form for applicable project alternate prices to be included with the Subcontractor's Bid. Alternate Prices shall include all cost associated with the changes, omissions, additions or other adjustments to the work of the Bid Package as described in the alternate, or are reasonably inferable therefrom. Alternate Prices shall include all cost of overhead, profit, and bond premiums associated with the work of the Alternate whether additive or deductive. Claims for extras resulting from changes caused by the acceptance or rejection of any alternate will not be allowed. The Drawings, Specifications, Project Manual, Addendum(s), and other Contract Documents shall be considered appropriately modified by either the acceptance or rejection of the various Alternatives. The Construction Manager and Owner expressly reserve the right to accept or reject any, or all, Alternate Prices and in any sequence. Acceptance or rejection of any alternate does not relieve the Bidder of timely completion of the Work within the time periods indicated.