ADDENDUM NO. 2

BRANDYWINE SCHOOL DISTRICT
CLAYMONT ELEMENTARY SCHOOL RENOVATION
BID PAC B, Masonry Rebid
3401 Green Street, Claymont, DE 19703

THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER
131 Continental Drive – Suite 404
Newark, DE 19713
302-292-0676

BIDS DUE: May 14, 2019 at 2:00 PM

LOCATION: Claymont Elementary School - WT Field Office
3401 Green Street
Claymont, DE 19703

NOTICE TO ALL BIDDERS

1.0 GENERAL NOTES:

1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project. All bidders shall acknowledge this addendum on the Bid Form.

1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal.

1.3 Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.

1.4 Deadline for questions shall be May 7, 2019.

2.0 CHANGES TO THE PROJECT MANUAL and DRAWINGS

2.1 Section 01 12 00-04A Masonry Specific Scope of Work
   2.1.1 Specific Scope of Work has been revised and is attached to this addendum.

2.2 Revised Drawing A-212 – Clarification of in and out of scope of work items
3.0 ATTACHMENTS

3.1.1 Section 01 12 00-04A Masonry - Specific Scope of Work Bid
3.1.2 Drawing A-212
3.1.3 Questions Log dated 5-6-19

END OF ADDENDUM NO. 02
SECTION 011200-04A – SPECIFIC SCOPE OF WORK – MASONRY

SPECIFIC SCOPE – MASONRY:
A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS
Prepared by ABHA Architects, dated March 25, 2019:
Volume 1: Divisions 00 – 01
Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Division 00</td>
<td>Procurement and Contracting Requirements</td>
<td>In Its Entirety</td>
</tr>
<tr>
<td>Division 01</td>
<td>General Requirements</td>
<td>In Its Entirety</td>
</tr>
<tr>
<td>Division 02</td>
<td>Existing Conditions</td>
<td>As Applicable</td>
</tr>
<tr>
<td>Division 03</td>
<td>Concrete</td>
<td>As Applicable</td>
</tr>
<tr>
<td>Division 04</td>
<td>Masonry</td>
<td>In Its Entirety</td>
</tr>
<tr>
<td>Division 05</td>
<td>Metals</td>
<td>As Applicable</td>
</tr>
<tr>
<td>Division 07</td>
<td>Thermal and Moisture Protection</td>
<td>As Applicable</td>
</tr>
<tr>
<td>07 11 13</td>
<td>Bituminous Dampproofing</td>
<td>In Its Entirety</td>
</tr>
<tr>
<td>07 13 00</td>
<td>Sheet Waterproofing</td>
<td>In Its Entirety</td>
</tr>
<tr>
<td>07 25 00</td>
<td>Weather Barriers</td>
<td>As Applicable</td>
</tr>
<tr>
<td>07 62 00</td>
<td>Sheet Metal Flashing and Trim</td>
<td>As Applicable</td>
</tr>
<tr>
<td>07 84 00</td>
<td>Firestopping</td>
<td>As Applicable</td>
</tr>
<tr>
<td>07 92 00</td>
<td>Joint Sealants</td>
<td>In Its Entirety</td>
</tr>
<tr>
<td>07 95 13</td>
<td>Expansion Joint Cover Assemblies</td>
<td>As Applicable</td>
</tr>
<tr>
<td>Division 08</td>
<td>Openings</td>
<td>As Applicable</td>
</tr>
</tbody>
</table>

NARRATIVE:
1. Include the cost of performance and payment bonds in the base bid.
2. Provide masonry patching at head, jambs, and sills as shown for new window installations.
3. Patching of masonry walls at removed devices, including but not limited to: clocks, bells, electrical devices, display boards, etc.
4. Masonry patches do not need to be toothed in, joints must be neatly tooled and infilled patches should be flush with face of block.
5. Provide the following masonry items including but not limited to: brick, CMU (above and below grade), bond beams, pre-cast concrete lintels, pre-cast copings and sills, masonry flashings at CMU and brick locations.
6. Provide all necessary submittals: mortar mix designs, CMU, brick, stone samples, flashing, masonry accessories, etc.
7. Provide entire masonry demo of CMU and brick in preparation of new window installation. Provide toothing exterior brick in at new window openings, and toothing brick and CMU for new doors openings as indicated in Addendum 2, bid question #6. – (Addendum 2)
8. Remove all demolition debris and waste to CM provided block dumpster.
9. Include new flashing and installation of lintels.
10. This contractor shall provide ½” plywood (min.) protection of all newly created masonry openings so that the building is secure and weathertight at the end of each shift. Removal and patching of fastener holes is by mason.
11. Provide all new masonry walls, foundation walls, knee walls, and masonry infills as indicated. The masonry screen wall in the courtyard and items on A-521 are by others.
12. Modifications to existing masonry walls as necessary to accept new fire extinguisher cabinets.
13. Provide all new exterior stone treads and landings as indicated.
14. Provide blankets and mortar additives as required by contract schedule.
15. Contain run-off from masonry mixing stations wash downs
16. Include precast stone caps and dowels
17. Provide all new masonry thru-wall flashings at locations indicated and as required for new roof system installation. Include brick removal necessary to install new flashing. Coordinate height of new flashing with roofing contractor. Patch locations with brick and mortar to match adjacent brick and mortar colors. Contractor may re-use demoed brick for patching at their discretion.
18. Provide masonry patching at all removed items per Note B/A201. Include brick/CMU infills at all louvers scheduled to be removed. Patches to be toothed in, louvers openings can be infilled with brick without toothing.
19. Provide grouting and reinforcement of all CMU as required.
20. Provide pockets and grouting of CMU walls as required for new steel stairs.
21. Provide all CMU bond beams and precast lintels as required at wall openings, door openings, mechanical and electrical penetrations. Contractor shall coordinate with MEP drawings.
22. Grout all CMU as indicated.
23. Make repair in existing masonry as indicated, additionally remove unused fasteners and patch masonry all at all interior and exterior masonry walls to remain. Patch existing holes up to 3/4” in interior and exterior masonry wall to remain. Patch at removed items, including clocks, electrical panels, fire valve cabinets, fire extinguisher cabinets, bells, back boxes, pipe penetration in interior CMU walls to remain, above and below grid. Contractor shall visit the site to survey the existing conditions prior to submitting their bid.
24. Provide all precast caps and sills as shown.
25. Install loose steel angle lintels furnished by others.
26. Provide labor and material to clean footings prior to CMU foundation wall work.
27. All interior CMU walls are to be constructed and tight to the underside of structure as required by partition types and details. Provide specified firesafing material/grouting and lateral supports as indicated at all locations where new masonry abuts structure or work by others.
28. Provide all waterproofing/damproofing as indicated.
29. All masonry walls to be constructed to meet all fire ratings as shown. Provide firesafing and fire sealants as required to meet UL listings indicated on A-003.

30. Provide all scaffolding and hoisting as required to complete this work. Masonry material is not transported in existing passenger elevator.

31. Review all drawings including structural, architectural, interiors, mechanical, electrical, plumbing, and fire protection to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with masonry.

32. Provide all rebar in masonry walls and foundation walls. Provide rebar set in masonry foundations walls that ties into concrete slabs. All exposed ends of rebar must be capped.

33. Provide all brick ties in CMU back-up walls and structural stud back-up walls. Coordinate installation of ties in stud back-up walls with drywall and spray foam contractors.

34. Provide all architectural control joints in masonry walls.

35. Provide all architectural expansion joints in masonry walls.

36. Clean and protect all masonry prior to completion.

37. Provide plastic and plywood beneath all work areas to protect adjacent surfaces. Clean all mortar splatter, drippings, etc. from adjacent surfaces.

38. ALL saw cutting for masonry work is to be wet-cut.

39. Do not install finish masonry that is stained or discolored. Any stained or discolored masonry will be replaced.

40. Remove all excess material from site upon completion and as directed by construction manager.

41. Restore all laydown and work areas upon completion.

42. Provide brick wash down of new work. Protect adjacent construction as needed.

43. Grout all new hollow metal frames in new and existing masonry walls.

44. Install all anchor bolts and bearing plates set in masonry.

45. Provide all masonry wall bracing as required.

46. Provide any supplemental, temporary water, power and lighting above and beyond temporary facilities described in specifications.

47. Provide all weep holes, wicks, cavity drains and vents as shown. Keep weeps clean and clear during construction. Upon completion of walls sections, this contractor to perform water tests within cavity wall construction to ensure proper function of flashings and weep holes.

48. Provide toothing of masonry as needed at all masonry patching and to accommodate work of other trades and details.  (Addendum 2)

49. Where existing electrical panels are removed in masonry walls to remain, this contractor shall provide CMU infills. Infills to be toothed in when only when on a corridor, lobby or stair tower.  (Addendum 2)

50. Install all masonry walls plumb, square and true, within tolerances in specifications.

51. Provide plywood below any work done on top of the roof structure. Including plywood for paths of travel for loading and delivering materials on the roof.

52. Provide layout for all masonry walls. Assist carpentry contractor with layout of hollow metal openings in masonry walls. Hollow metal frames to be set prior to CMU wall construction. Layout all masonry walls that contain drains prior to the plumbing contractor performing any sawcutting.

53. Review mechanical, plumbing, fire protections and electrical drawing to account for pipe penetrations and conduit penetrations through new CMU walls. Install sleeves for all pipe and conduit penetrations. Sleeves provided by others.

54. Do Not include the cost of providing concrete lintels for HVAC duct opening through masonry walls above ceilings and or at similar heights at areas with no ceilings. The cost for this work is to billed through allowance #2. HVAC contractor to cut openings. This note is only in reference to interior walls.
55. Provide raking and repointing of mortar joints at all areas indicated on the drawings. Contractor to visit the site to review the existing conditions prior to submitting their bid.
56. Remove masonry and tooth back in for structural steel attachment at entrance canopy along column line M between lines 23.8 – 18
57. See Contract Drawings for hatched areas that are not in scope.
58. See new 2019 prevailing wage rates, this is a change from previous bid.

ALLOWANCES
Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

Allowance #1 – Provide a $40,000 allowance for miscellaneous masonry work. All work related to this allowance will be tracked on tickets signed by Whiting-Turner personnel daily. Any amount not used will be credited back to the Owner.

Allowance #2 – Provide a $15,000 allowance for masonry work at HVAC duct opening. All work related to this allowance will be tracked on tickets signed by Whiting-Turner personnel daily. Any amount not used will be credited back to the Owner.

ALTERNATES
Provide all masonry work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 12: Curtain wall at Area D south facade.
ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.
ALTERNATE No. 23: New windows at Area E.
ALTERNATE No. 24: New windows at Area F.

UNIT PRICES
Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

1. Provide raking and repointing and washdown of masonry mortar joints, assume amounts over 50 linear feet, unit cost per linear foot.
<table>
<thead>
<tr>
<th>Question Number</th>
<th>Contract Bid Package</th>
<th>Question</th>
<th>Date Issued</th>
<th>Response</th>
<th>Date of Response</th>
<th>Addendum Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>General</td>
<td>Are criminal background checks a requirement for working on this project?</td>
<td>4/23/2019</td>
<td>No. Criminal background checks are required when working in an existing/occupied school. Work on this project is being performed in closed off sections of the school, not within the occupied school. We ask that you use caution in your judgement when assigning manpower to this project taking into consideration the safety and welfare of the students and staff.</td>
<td>4/23/2019</td>
<td>Bid Pac1 bid, Add 1</td>
</tr>
<tr>
<td>2</td>
<td>04A</td>
<td>Please confirm that door openings D132C and D132D do not receive a frame.</td>
<td>4/23/2019</td>
<td>No frame, masonry opening to have finished ends.</td>
<td>4/23/2019</td>
<td>Bid Pac1 bid, Add 1</td>
</tr>
<tr>
<td>3</td>
<td>04A</td>
<td>The existing CMU walls have glazed block base as the first coarse, do any new CMU walls require glazed block base?</td>
<td>4/23/2019</td>
<td>Glazed block base not required at new CMU walls</td>
<td>4/23/2019</td>
<td>Bid Pac1 bid, Add 1</td>
</tr>
<tr>
<td>4</td>
<td>04A</td>
<td>A-203 - note D10 &quot;remove louver in its entirety&quot; - there are some locations that have alternate work taking place. If the alternate is not accepted is this work in the base bid?</td>
<td>5/6/2019</td>
<td>Base bid should include infilling masonry, rigid insulation and CMU at noted louvers, as well as other HVAC penetration and removed electrical fixtures and devices that are not to be reutilized as detailed on exterior elevations. See typical note B on A-201</td>
<td>5/6/2019</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>04A</td>
<td>What special safety requirements are to be followed for this project.</td>
<td>5/6/2019</td>
<td>See WT safety policy as detailed in 01 3 52 00</td>
<td>5/6/2019</td>
<td>2</td>
</tr>
</tbody>
</table>
| 6               | 04A                  | S-001 Calls for toothing in of CMU at corner? Masonry scope #4, 7, and 18 also deals with toothing. Can you clarify what gets toothed and what does not? | 5/6/2019    | CMU  
Toothed CMU  
•New Masonry Hollow metal door frames  
•New windows in phase 2, toothed in with bullnosed block  
Not toothed CMU  
•Infills at removed Electrical Panels  
•Window openings E and F – in furred out drywall  
•Removed electrical switch and backboxes  
•Openings created for items that have trim that cover open, i.e. Fire extinguisher cabinets and access panels.  
Brick  
Toothed Brick  
•Windows  
•Masonry removed for scope item 56 at front entrance  
•Doors  
Not toothed Brick  
•Exterior Mechanical louver penetrations | 5/6/2019    | 2               |