



ARCHITECTURE
ENGINEERING

ADDENDUM TO CONTRACT DOCUMENTS

Date: July 23, 2015

To: Bidders

From: Becker Morgan Group, Inc.

Project: Fort Miles Artillery Park Renovations – Phase 1
Cape Henlopen State Park, Lewes, DE

Project Number: BMG Project No. 2012006.00

Subject: **ADDENDUM NO. 05**

NOTICE: Attention is called to the following item(s), effective as of the date above, which shall be added to, deleted from, or changed in the contract documents dated 06/01/2015, and any previously issued addenda, thereby incorporating these items into the contract.

RFI's

(Italicized questions still pending)

(Shaded questions answered in previous Addenda)

Conventional Builders RFI 1	
Item	Description
1	Q: How are the existing artillery pieces mounted to the new artillery pads? If by anchor bolts, what size and how many? A: Anchor bolts and installation, by others.
2	Q: What are the weights of the 6" and 8" artillery pieces? A: See attached Artillery Park Elements REVISED, List of Artillery pieces/parts.
3	Q: Pre bid minutes item 5(G) Alternate 7 includes gas piping to modular bathhouse. More information is needed on the gas piping — what size of piping, where it connects, etc. No gas piping is shown on the site drawings. A: See Addendum No. 2
Conventional Builders RFI 2	
Item	Description
1	Q: Drawing A501 Detail 4 calls for (2) rows of (5) structural screws. What size is required? Are they to be galvanized or stainless steel? Or, could 1/2" galvanized lag bolts be used? A: Structural screws shall be Simpson Strong Drive SDWH TIMBER HEX HDG screws or 1/2" galvanized lag bolts (lag bolts must be predrilled). Secure 4x4 wood curb with structural screws or lag bolts at 24" o.c.
2	Q: Drawing S101 Section 1 calls for 10 mil poly. Specification 033000 call for sheet vapor retarder. Please clarify. A: Provide 10 mil polyethylene sheet, per 033000 2.6.A
Conventional Builders RFI 3	
Item	Description
1	Q: Note on the proposed pre fab bath house Drawing N-03 states "See sheets N-27 thru N-29 for complete systems descriptions". Could these be issued for the interior plumbing details of bath

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	house? A: These drawings are NOT available at this time.
	Thompson & Sons RFI 1
Item	Description
1	Q: Need the Plumbing and Electrical drawings and specs for the bath house. A: Specific plumbing and electrical drawings and specs for the modular bathhouse building are not available at this time. Based on the floor plan provided on Addendum No. 1, the Contractor shall include required engineering and all materials and labor to provide the following: 1. Underground sanitary sewer piping from incoming service, 5’ outside building, to required stubs to accommodate the modular building. 2. Underground domestic water service piping from incoming service, 5’ outside building, to required stub to accommodate the modular building. 3. Underground electrical service conduits from incoming service, 5’ outside building, to required stub to accommodate the modular building electrical panel. 4. Final connection of all plumbing, HVAC, gas and electrical connections.
2	Q: Questions that our supplier has for the lumber material:- under section 1.3 (definitions) lumber of 2” or greater but less than 5” is considered dimension.- Under section 2.4 (A) is says use category UC3b or UC4a for treatment retention. Neither of these categories calls for 2.5 #eca. Furthermore, under section 2.4 (D) it says do not use chemicals containing arsenic or chromium. Will you please clarify what treatment you would like me to quote, this spec is a little confusing!? A: Decking, framing and blocking of 2x lumber shall be UC3B (Arsenic and Chromium shall not be used). Treatment such as ACQ, MCA and MCQ are acceptable. Sections 2.4B & 2.4C do not apply.
3	Q: For our Crane Company: Piling calls for 15' min embedment if piling requires to be longer how will payment be made? A: Provide add / deduct unit pricing for piles. Unit pricing to be per Linear Foot of installed pile. Structural requirement is for a minimum of 15’ embedment. Geotechnical report estimates 35 foot embedment for the required 18 Ton Capacity. Geotechnical Supplement report estimates 35 foot embedment for the required 18 Ton Capacity. Provide unit pricing to be per Linear Foot of installed pile longer than 35 foot.
4	Q: For the Gun there are a number of miscellaneous parts to be installed for the gun we need to know where are the parts and who installs them? A: Miscellaneous parts are stored at other locations in the Park, which will be delivered to site by others. The Contractor shall be responsible to install only the parts required for the assembly of the gun, other accessory parts to be installed by others.
5	Q: Are CCR Reports required and if yes who is responsible the contractor or the owner? A: CCR is a requirement of DNREC and will be provided.
6	Q: Will need Soil Reports for this project. The Structural drawing say that the foundation is on four thousand pound weight baring. Please clarify. A: Geotechnical Report states 1500 psf bearing capacity for the bathhouse and 4000 psf bearing capacity for mat foundations. Geotechnical Report issued in Addendum #1 and Geotechnical Report Supplement issued in Addendum #2.
7	Q: House Building pad calls for 12" of 57 stone compact to 95% how do you test the 57 stone? Need Verification. A: Geotechnical report included in Addendum No. 1. Bathhouse shall be set on 6” of CR 1 base course over geotextile over SP soil subbase. See Spec 312001 Structural Foundations.
8	Q: Need larger formatted drawing for S101 from architect. Not able to view due to size of file size for printing. All other drawings are in standard file form which scale form is fine for

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	take off. A: Included in Addendum No. 2	
	Thompson & Sons RFI 2	
Item	Description	
9	Q: Breech end, Who in to remove split stop rings and bottom key so yoke locking ring can be install? Also is there a wrench to install yoke locking ring. Approx. 49” ID and 54” OD? A: See attached “Assembly of USS Missouri 16” Gun. No wrench, other means will be used.	
10	Q: Our Crane Company is requesting that there be another meeting to view the Individual parts for installation of the Gun? A: Tuesday, July 14, @ 4:00 pm, at the Ft Miles parking lot, Cape Henlopen State Park.	
11	Q: Who is to supply and Install the Anchorage Bolts for the Alternate Guns and the main gun? A: Anchorage of the artillery guns in the Alternates is by others.	
12	Q: Does the gun carriage need to be shimmed and grouted due to slopes on the concrete pad? If Yes please provide the detail? A: Pile cap under carriage shall be level for bearing of the carriage. Slope top of cap exposed beyond carriage. Clarification; the pile cap shall be sloped as indicated in the drawings, except were the bearing pads for the carriage are located. These areas will be required to be “flat and level” for bearing.	
	Thompson & Sons RFI 3	
Item	Description	
1	Q: With the size of the Girder it appears that there isn’t enough Legal clearance for the Girder to pass the electrical lines. Who will be responsible for the removal of electrical lines?? A: The contractor shall be responsible for either protection or temporary removal of the existing overhead electrical lines are required to transport the gun parts to the pad site. The contractor to coordinate with the owner for down time if electrical line must be removed.	
2	Q: Concrete Contractor has questions in reference to rebar used for the guns concrete pads. Need to know if the rebar/wire is Plain rebar, galvanized, or epoxy coated? Please Clarify A: Epoxy coated	
	Thompson & Sons RFI 4	
Item	Description	
3	Q: With all new addendums and the scheduling of viewing guns will the bid date change? A: Yes.	
	Thompson & Sons RFI 5	
Item	Description	
1	Q: Crane companies are requesting the length of the test pile. A: Test pile length shall be reasonably adequate to account for possible additional length if additional embedment depth is required, based on the Geotechnical Supplement report, estimated 35 foot embedment for the required 18 Ton Capacity.	
	John L. Briggs RFI 1	
Item	Description	
1	Q: Spec section 067413, Will there be any manufacturers provided for this spec section? A: Included in Addendum No. 2	
	John L. Briggs RFI 2	
Item	Description	
1	Q: Is the 100 AMP Service circuit being taken into a meter? If so, who is supplying the Meter? A: Yes, meter by Contractor, to be installed onto modular building, location to be determined.	
	John L. Briggs RFI 3	
Item	Description	

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1	<p>Q: In specification section 321313, Concrete Paving, references Item 2.4 G. Exposed Aggregate. Could you please clarify if the exterior pad around Artillery pad 1, the additional sidewalk required in Boardwalk Alternate #5, and the additional Bath House sidewalk in Alternate #7 is exposed aggregate concrete?</p> <p>A: No exposed aggregate concrete.</p>
2	<p>Q: In specification section 321313, references Item 2.5 Fiber reinforcement. Could you please clarify if the concrete pads and concrete sidewalks are to receive fiber reinforcement, as the details indicate welded wire fabric?</p> <p>A: Provide welded wire fabric reinforcing, not fiber reinforcing.</p>
John L. Briggs RFI 4	
Item	Description
1	<p>Q: Could you please provide the stone base thickness, and whether or not a 10 mil vapor barrier is required under the concrete pad/ sidewalk detail on drawing C-201?</p> <p>A: Stone base to be 6" thick and vapor barrier to be provided for all pads and sidewalks.</p>
2	<p>Q: Could you please provide a detail of the 4" thick concrete sidewalk and stone base thickness for the Bath House Alternate #7, as the note on Drawing C-202 states "detail this sheet" and the concrete pad/ sidewalk detail is referenced to be 8" thick and the stone base thickness is not provided?</p> <p>A: See Addendum No. 2, stone base to be 6" thick.</p>
John L. Briggs RFI 5	
Item	Description
1	<p>Q: Could you please provide a detail of the new concrete slab/pad on drawing A103 for Boardwalk Alternate #5, as the concrete thickness and stone base thickness is unclear?</p> <p>A: 8" concrete slab with #4 @ 12" o.c. Dowel into existing slab with 3/4" x 12" epoxy coated dowels @ 16" o.c. 24" deep x 8" wide turndown on edges, with (2) #4 bottom on two exposed edges.</p>
John L. Briggs RFI 6	
Item	Description
1	<p>Q: In specification section 31200, Structural Foundations, references 2.2 Geotextiles. Could you please clarify if geotextiles are required underneath the stone base material at all of the Artillery Pads 1-6, as the details on drawing S101 do not indicate geotextile fabric beneath the stone base material?</p> <p>A: This specification Section applies only to the foundation for the modular bathhouse in Alternate No. 5. That is the only locations for the Geotextile fabric.</p>
John L. Briggs RFI 7	
Item	Description
1	<p>Q: If Alternate #1 is used (stone access road) upon its removal, what are the disposal plans for the crushed stone? Is the material to remain on site or is it the contractor's responsibility to remove it from the site?</p> <p>A: Contractor is responsible to remove from site.</p>
Mid-Atlantic Dismantlement Corp RFI 1	
Item	Description
1	<p>Q: Unit price #1 is for timber piles, but what do Unit Price #2, and #3 (page 004100-2 in specs) correlate to?</p> <p>A: See revised bid form and new Unit Price Specification included in Addendum No. 3.</p>
2	<p>Q: We want to confirm that you are specifying dynamic Timber pile testing — as required under Item #3.4 — A, B, C 1 — page 316219-5.</p> <p>A: Yes.</p>
3	<p>Q: What material is the 2" water service? Your choices are 2.1 — copper, 2.2 — DIP, and 2.3 —</p>

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	PVC on page 221113-3 to 4? A: Water service piping shall be Copper	
4	Q: Does the contractor furnish and install a water meter & pit? Item #2.9 page 221113-7 and Item #2.11 page 221113-8? A: Deleted in Addendum No. 2	
Mid-Atlantic Dismantlement Corp RFI 2		
Item	Description	
1	Q: Is the Contractor installing site utilities as per Plan Sheet C-201 in Base Bid or per Alternate #7-2-b-7? A: Site utilities to 5' outside the building line to be provided in Base Bid. Underground utilities "Beneath" the building are to be engineered and provided in Alternate No. 7.	
2	Q: Does the contractor furnish and install a water meter & pit? Item #2.9 page 221113-7 This portion of our July 8 question was not clarified? A: No water meter or meter pit is to be provided.	
Whiting-Turner RFI 1		
Item	Description	
1	Q: Please provide existing locations and weights of all artillery to be relocated A: Provided in Addendum No. 2.	
2	Q: Is the contractor responsible for any assembly or will For Miles personnel assemble? A: The Contractor shall be responsible to install only the parts required for the assembly of the gun, other accessory parts to be installed by others.	

LIST OF ATTACHMENTS

Item	Description	Date
1	Assembly of USS Missouri 16" Gun	07/23/15

PROJECT MANUAL CHANGES:

Item	Description
	None

DRAWING CHANGES:

Item	Description
	None

END OF ADDENDUM NO. 05

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ASSEMBLY OF USS MISSOURI 16" GUN

1. General: Crane operator is to allow five (5) days of crane operation to assist Fort Miles Historic Area (FMHA) members to assemble smaller parts onto the gun. This is in addition to the time needed to move the major parts to the pad and to assemble those parts.
2. Contractor Option: Assemble the yoke on the barrel prior to transporting to the pad or assemble the yoke onto the barrel after transporting to the pad.
3. Contractor to set yoke on barrel and remove cradles.
4. Contractor to set breech on barrel.
5. Contractor to transport girder to pad, set in place and anchor to pad using four (4) anchor bolts, Hiliti HIT-HY200 epoxy with HAS-R stainless steel anchor rod.
6. Set slide. Contractor to crib barrel assemble to allow FMHA to sandblast portions of the gun that cannot be reached when resting on the ground.
7. FMHA to sand blast the remaining portions of the gun and leave bare. Sandblaster is to provide protection for contractor equipment located next to the gun assembly. FMHA to grind a "blush" on the key on bottom of barrel
8. FMHA to assemble bearings. Crane assist needed for bearing caps (400 lbs. each).
9. Contractor to lift and set trunnions.
10. FMHA to work brass ring carefully down barrel using crane assist and mate the ring to the yoke.
11. FMHA to install rear anchor nut on slide screw and secure.
12. FMHA to install barrel lug hinge. Crane assist needed.
13. FMHA to attach breech and close breech (adjust if necessary). Crane assist needed.
14. FMHA to install plunger yoke on top of slide. Crane assist needed.
15. FMHA to install plunger yoke rods and secure. Crane assist needed.
16. FMHA to install counter recoil cylinders and secure. Crane assist needed.
17. FMHS to tap holes on barrel for bolts.
18. Contractor to set four (4) anchor bolts for the gun mount into the pad.
19. Contractor to slide barrel into slide and lock into place.
20. FMHA to remove saddles.

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