

## 11/21/2024 2233103 - Provide Ice Melt at Seals and Sea Lion - Pre Bid RFI Tracker

RFI #	RFI Question	RFI Answer
1	Reference: Personnel Question: Please confirm that the project superintendent may act as QCM and SSHO at the same time (Triple Hat)?	Yes
2	Question: Please confirm that SI will drain the water in the pool prior to starting our work. This will be required as some of the shotcrete repairs are below the water level.	The pool will be drained. The GC is fully responsible for keep debris from entering the pool. If a any amount of debris enters the pool the GC is fully responsible for cleaning it out prior to refilling.
3	Question: Can we use Gunitite in lieu of shotcrete? The reason is that, depending on the site application, shotcrete hoses can't be extended too far, and we'd also be reliant on the concrete supplier, which can lead to a messier process. In contrast, Gunitite uses a bag mix, offering more control and allowing hose lengths of up to 200-250 feet. It can achieve PSI levels up to 6000.	Gunitite is a trademarked name for the dry-mix shotcrete. Gunitite is a method of shotcrete application and does not use bag mix exclusively. Packaged shotcrete materials are acceptable and they shall comply with ASTM C1480 per requirement in ACI 506.2 Specification for Shotcrete. ACI and American Shotcrete Association use the all-inclusive term, Shotcrete for spraying concrete with either a dry or wet mix process. Both dry-mix and wet-mix applications are acceptable per the specifications. (McM)
4	Reference: Drawings S701 and E301 Question: Structural drawing S701 indicates that the reinforcement for the Shotcrete slab is S.S. #3 spaced @ 10" O.C. each way. While detail 1/E301 shows a 6x6x4 GA welded wire fabric reinforcement. Please confirm that we only need the #3 S.S. reinforcement for the Shotcrete slab and the 6x6 or 4x4 welded wire fabric is not required.	Confirmed only the #3 S.S. reinforcement for the shotcrete slab is required. No welded wire fabric in the shotcrete slab is required. (McM)

5	<p>Reference: Structural drawing S701</p> <p>Question: The spacing of the dowels per detail 3/S-701 is shown to be 16" O.C., but the spacing of shotcrete slab reinforcement per note 4 on S701 is 10" O.C. only. So, the spacing between the dowels and reinforcements does not match. Please advise if we can change the spacing of the dowel to 20" O.C. or 10" O.C.</p>	<p>The dowel spacing and the slab reinforcement spacing do not need to match. The dowels are separate 1'-3" long rebar and do not lap with the shotcrete rebar. No change to dowel or slab rebar spacing is required.</p> <p>(McM)</p>
6	<p>Reference: Toilet</p> <p>Question: Will the workers allowed to use the public toilet?</p>	<p>Yes, public toilet only</p>
7	<p>Reference: Parking</p> <p>Question: Will there be designated parking for the project superintendent?</p>	<p>Refer to div 010000 specs for parking, section 18</p>
8	<p>Reference: Specification section 010000 item 34.1 "The contractor shall establish a temporary office at the project site. "</p> <p>Question: Please confirm if a temporary office is required during the construction.</p>	<p>34.1. The Contractor <b>may</b> establish a temporary office at the project site. But not required.</p>
9	<p>Reference: As-built CAD record drawing</p> <p>Question: Is the contractor required to provide a CAD as built?</p>	<p>Yes. Refer to 010000-63.5.2.5 &amp; .6</p>
10	<p>Reference: Sign-in sheet</p> <p>Question: Please provide a copy of the site visit sign-in sheet.</p>	<p>Refer to attachment A attendance sheet</p>
11	<p>Reference: Staging &amp; Laydown Area</p> <p>Question: Will the government provide a space for staging and laydown area?</p>	<p>Yes, this will be required to be submitted in the site utilization plan for review and approval</p>
12	<p>Reference: Ice Melt Company</p> <p>Question: At the site walk it was mentioned there is an existing ice-melt company that has serviced the existing system. Please advise the company that services the existing equipment and their contact.</p>	<p>HEAT TAPE SOLUTIONS, INC. - Matthew Hanneken  513 Hidden Valley Ct, Severn, MD 21144 USA  Cell: 443-983-4843   E-Mail: matt@heattapesolutions.com</p>

13	Can the site superintendent also be the SSHO and QCM ?	See answer #1 above
14	Will there be a written specification forwarded to provide to other shotcrete subcontractors?	No, there are only the approval contractors as listed in the specs
15	Please advise if both pools will be drained prior to the start of work.	See answer #2 above
16	The specification indicates both the wet and dry applications can be used; due to the narrow access to the pool, seeking clarification if gunite can be used in place of shotcrete?	Gunite is a trademarked name for the dry-mix shotcrete. ACI and American Shotcrete Association use the all-inclusive term, Shotcrete for spraying concrete with either a dry or wet mix process. Both dry-mix and wet-mix applications are acceptable per the specifications. (McM) See answer #3 above as well
17	Can you confirm the area thickness of the shotcrete?	Depth of shotcrete varies. Review plans and sections for extents of slab replacements and finish elevations to determine quantities.
18	What is the actual acceptable surface finish?	Shotcrete acceptable surface finish will be determined by stand-alone sample panel per 033713.1.4.D.1. Shotcrete to be finished to match existing adjacent rock in color, shape and texture (033713.3.9.B & C).
19	Please clarify whether or not the exhibit pool will be fully drained, if not, to what level will it be drained during the project?	See answer #2 above
20	Is any water proofing required?	The existing concrete pool shell is waterproofed but the extents of demolition and new control density fill and shotcrete occur above the pool shell. Waterproofing for new shotcrete is not anticipated unless damage to pool waterproofing layer from demolition occurs, in which case, the repair should be made per manufacturer requirements. For reference, pool shell is coated with (2) layers of Vandex Super white (grey)
21	Are the original drawings available?	Refer to attachment B drawings See answer #27 below as well

22	Will NEMA 4X be required for outdoor equipment?	Yes, NEMA 4X required.
23	Please confirm if dry-gunite may be used to complete the shotcrete work?	Gunite is a trademarked name for the dry-mix shotcrete. ACI and American Shotcrete Association use the all-inclusive term, Shotcrete for spraying concrete with either a dry or wet mix process. Both dry-mix and wet-mix applications are acceptable per the specifications. (McM) See answer #3 above as well
24	Stainless steel rail bracket – Can a Wagner WR3900W bracket attached to a flat plate be used in lieu of the rod as shown?	No. The wall is irregular and it is critical that the required hand clearance is maintained despite wall irregularity. A standard handrail will not be able to mount to the irregular surface and standard distances will not maintain required clearances.
25	Please confirm the anticipated start of work for this project.	After Easter Break
26	Reference: Specs page 75 Item E. Model 1.a. Provide ½”=1’-0” scale model(s) of the shotcrete shown on the drawings. Question: Does the scale model need to be computer generated or a physical scale model/clay model? Please advise.	Intent is for physical model for advance review and approval prior to shotcrete subcontractors being mobilized and on-site. Model material may be clay, or other similar materials, the key being that the new work areas of the model must be of a material that can be modified during review (per 033713.1.4.E.h)
27	Reference: As mentioned during the site visit, there’s an existing snowmelt cable installed under the shotcrete floor. Question: Existing snowmelt cable locations are not shown in any demo drawings. For demolition purposes, please confirm that there’s an existing snowmelt installed under the shotcrete floor, and it is installed in the exact same place where we need to put the new snowmelt grids as shown in drawing 1 sheet E101.	Existing snow melt system is to be demolished during concrete removal. See attached shop drawings (Refer to attachment C), sheet SM2 for existing snow melt system extents. Existing embedded snow melt in areas of shotcrete not removed by this project are to be cleanly trimmed back, capped and remain, abandoned in-place. See answer #21 above as well
28	Reference: Third Party Commissioning Question: Please confirm that any third-party commissioning consultant will be hired by the Smithsonian.	SI will provide / hire a third-party commissioning consultant