



600 State Street, Suite E | Portsmouth New Hampshire 03801

ADDENDUM #5

Date: October 8, 2021

To: All Bidders

From: Vanessa Swasey
Appledore Marine Engineering, LLC

Re: **Addendum #5**
Pease Development Authority – Division of Ports & Harbors
BUILD Main Wharf Rehabilitation
Portsmouth, New Hampshire

Addendum #5 is generally intended to address additional questions from bidders:

Bidders' questions followed by responses in bold and italics as follows:

Question 1 - Per specification 03 31 30 Table 1 a minimum and maximum concrete compressive strength is given. It is typical for concrete compressive strength for 5000 psi mixes to have an upper limit higher than 6000 psi especially in precast concrete. Will the owner removed the maximum compressive strength requirement?

Answer 1: The intent of the mix design is to provide a low strength and high resistance to chloride ion penetration, high crack resistance and low shrinkage. The 56 day compressive strength upper range may be increased to 6,500 psi if acceptable measures are specifically identified and provided in the mix design to ensure durability of concrete is not compromised. The 6,500 psi range, if deemed acceptable based on submitted mix design, can be considered as the 'specified 56 day design strength' and not an upper limit when considering Specification SECTION 03 31 30 paragraph 1.7.4.2 Hardened Concrete Properties.

Question 2 - Specification 03 31 30 2.7.1 states, "ACI 301 unless otherwise specified and shall meet the design yield strength and ductility requirements. Deformed reinforcing bars meeting the requirements of ASTM A615/A615M or ASTM A706/A706M. Wharf Infill reinforcement shall be epoxy coated in accordance with ASTM A775/A775M (green) unless noted otherwise. Build-up elements and deck topping reinforcement are to be uncoated." Please clarify that the only rebar on the project that is intended to epoxy coated is the rebar in the cast in place caps, and rebar cages in the pile?

Answer 2: The design intent is to provide coated bars in all new Wharf Infill elements, including but not limited to: Deck topping, deck planks, pile caps, edge beams and piles. The general design intent is to not mix uncoated and coated bars within the same elements. Therefore, all rebar required for existing structures shall be uncoated.

END OF ADDENDUM #5