



Addendum #3

Bid Opportunity: 24-7539-RFT - Preston High School Interior Ramp Washroom Upgrade

Closing Date: Thursday, April 4, 2024 2:00 PM

The following issued by the Board shall form part of the Bid / Proposal Solicitation document. The revisions and additions noted herein along with any attachments shall be read in conjunction with all other related documents. This Addendum shall, take precedence over the previously issued documents where differences occur. Receipt of this addendum must be acknowledged in the Bidding System, bids&tenders.

If you have already submitted a Bid / Proposal, it will be automatically withdrawn as a result of this addendum. You must resubmit the Bid / Proposal acknowledging all addenda and revising your Bid / Proposal to comply with all addenda.

Note: Closing date is extended to April 4, 2024, 2:00 pm.

Question 1:

- Item 5 in Part F Hydronic heating of the mechanical spec on M4.1 notes that we're to provide two De Detrich boilers. However there's nothing noted in the rest of the drawings about a boiler replacement. Please confirm if these boilers are being turned directly over to the owner or if they're to be installed somewhere in the school.

Answer 1:

There is no boiler work as part of this scope. Please disregard the specification section related to that work.

Question 2:

There is nothing in the specifications or drawings to indicate the model of the tactile plates, can the architect advise which type is required?

Answer 2:

Please see revised Section 03 35 00 Concrete Finishing, attached.

Question 3:

Can the architect confirm smooth commercial finish to the walls, that formply finish is acceptable? Is the concrete wall going to be painted or detailed in any way or is the forming to be exposed?

Answer 3:

Please refer to Addendum #1 for sections related to acceptable concrete finishes. Ramp curb's top and sides will be exposed beyond wall base height.

Question 4:

Can we use peastone aggregate for line pumping the concrete?

Answer 4:

Yes, you can use pea stone aggregate.

Changes to Specifications

Section 03 35 00

1. Replace section in its entirety with attached section 03 35 00 (R1).

END OF ADDENDUM

ATTACHMENT

Section 03 35 00 (R1)

1 GENERAL

1.1 INSTRUCTIONS

- .1 Comply with the General Conditions of the Contract, the Supplementary Conditions and the General Requirements of Division 01.

1.2 SUMMARY

- .1 Section Includes: Provide all articles, labour, materials, equipment, transportation, hoisting and incidentals noted, specified or required to complete the work of this Section including but not limited to:
 - .1 Finishing of horizontal concrete surfaces, including concrete floor slabs and toppings.
 - .2 Surface treatment with concrete.
 - .3 Cast-in tactile warning tiles**
 - .4 Cast-in nosing strips**
- .2 Related sections: The following is included for reference only and shall not be presumed complete:
 - .1 Section 03 30 00 – Cast-in-Place Concrete

1.3 REFERENCES

- .1 Reference Standards: Versions of the following standards current as of the date of issue of the project apply to the Work of this Section. Where regulatory requirements use older version of a standard, comply with the version year adopted by the Authority Having Jurisdiction
 - .1 American Concrete Institute (ACI):
 - (1) ACI 302.1R: Guide for Concrete Floor and Slab Construction.
 - .2 American Society for Testing and Materials (ASTM):
 - (1) ASTM C309: Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.
 - .3 Canadian Standards Association (CSA):
 - (1) CSA A23.1 – Concrete Materials and Methods of Concrete Construction. CSA A23.2-04: Methods of Test and Standard Practices for Concrete.
 - (2) CSA A23.2 – Methods of Test and Standard Practices for Concrete.

1.4 SUBMITTALS

- .1 Submit required submittals as specified in Section 01 33 00.
- .2 Product data sheets:
 - .1 Submit manufacturer's Product data sheets for Products proposed for use in the work of this Section.

- .2 Provide list of Products proposed for use on project where such products are not specified by trade name or where specification permits choice or alternatives. Include descriptive manufacturer or supplier literature.
- .3 Include application instructions for concrete hardener and sealer.

1.5 QUALITY ASSURANCE

- .1 Qualifications:
 - .1 Manufacturer's:
 - (1) Manufacturer shall have a minimum of 5 years' experience having successfully supplied products required for the Work of this Section for other projects of similar size and complexity.
 - .2 Applicator's:
 - (1) Applicator shall be a person or firm specializing in commercial concrete floor finishing, and with five years documented experience.
 - (2) The concrete floor finisher is to have demonstrated experience in the placement of steel fibre reinforced concrete floors and is to be approved by the Contractor. The assessment of floor finishers experience will be based upon their previous successful installations of steel fibre reinforced concrete floors.

1.6 PROJECT CONDITIONS

- .1 Perform Work only when environmental conditions are as specified in Section 03 30 00.

2 PRODUCTS

2.1 MATERIALS

- .1 Hardener: non-metallic type, Diamag 7 by Sika Canada Inc., Sealtight Type R-Premixed by W. R. Meadows, or Maximent by Degussa.
- .2 Slip Resistant Finish: silica sand type, colour as selected by Consultant;
- .3 Curing-Sealing Compound: 100 percent water based acrylic copolymer, to ASTM C309, Type 1, Class B; Vocomp 20 by W. R. Meadows or Masterkure N-Seal-HS by Degussa.
- .4 Water: as specified in Section 03 30 00.

.5 Cast in place tactile warning tiles:

.1 AODA compliant porcelain tactile tiles

.2 Acceptable products and manufacturers:

- (1) **Olympia Tile Dome Series – Colour to be selected by consultant from manufacturer's range of colours.**
- (2) **Or equivalent**

.6 Cast in place non-slip stair nosing:

- .1 Aluminum nosing**
- .2 26mm deep, in lengths as required on Drawings.**
- .3 Acceptable products and manufacturers:**
 - (1) Schluter TREP-SE, black**
 - (2) Or equivalent**

3 EXECUTION

3.1 EXAMINATION

- .1 Verification of Conditions:**
 - .1 Examine all work of other Sections upon which the Work of this Section depends.
 - .2 Verify concrete does not contain admixtures which would be incompatible with floor hardener materials or other applied finishes.
 - .3 Report in writing to the Consultant any defects of surfaces or work prepared by other Sections which affect the quality or dimensions of the Work of this Section.
 - .4 Do not proceed with Work of this Section until all unsatisfactory conditions have been rectified and site conditions are ready to receive work.
 - .5 Commencement of work implies acceptance of existing conditions and work by others.

3.2 APPLICATION

- .1 Finishing:**
 - .1 Finish concrete floor surfaces to CSA A23.1.
 - .2 Floating:
 - (1) After the concrete has been properly placed, struck off, and darbed or bullfloated, it shall not be worked until ready for floating. The lapse of time between darbying and power floating may vary from 2 to 8 hours or more depending on the weather conditions, concrete temperature, and the concrete mixture. Floating shall begin when the water sheen has disappeared and/or the mix has stiffened sufficiently that the weight of a man standing on it leaves only a slight imprint on the surface. If two power floating operations are necessary to bring the surface to the desired state, the concrete shall be allowed to stiffen or become harder before beginning the second floating operation.
 - .3 Trowelling:
 - (1) Both power and hand trowelling shall be required. Power trowelling shall begin as soon as little or no cement paste clings to the blades. Trowelling shall be continued until the surface is dense, smooth, and free of all minor blemishes, such as trowel marks.
 - (2) Final hand trowelling shall be required to remove slight imperfections left by trowelling machines and to bring the surface to a dense, smooth polished finish. Final hand trowelling shall be continued until a ringing sound is heard as the trowel passes over the surfaces.

- (3) Sprinkling of dry cement or a mixture of dry cement and sand on the surface of the fresh concrete to absorb water or to stiffen the mix shall not be permitted during any stage of floor construction.
- .4 Floor Finish:
 - (1) Interior slabs receiving a permanent covering (eg. tile, linoleum, carpet), shall have a hard, smooth dense trowelled surface free from blemishes.
 - (2) Interior exposed slabs in shall receive a trowel finish plus fine hair brooming or a swirl-trowel finish to the Consultant's approval.
- .2 Sealers:
 - .1 Floor Sealing: concrete floors that are to be left exposed shall receive a coating of concrete floor sealer, applied according to the manufacturer's recommendations, no sooner than seven days after the specified curing has been completed.
- .3 Curing:
 - .1 Cure concrete to CSA A23.1/A23.2.
 - .2 Curing of exposed surfaces shall commence as soon as the concrete has hardened sufficiently to prevent surface damage. Curing of concrete surfaces shall be achieved using one or more of the following methods:
 - (1) ponding or continuous sprinkling;
 - (2) absorptive mat or fabric kept continuously wet;
 - (3) 4 mil thick polyethylene plastic film;
 - (4) other moisture-retaining methods as approved by the Consultant.
 - .3 Basic Curing: moist cure concrete for a period of either three days at a minimum temperature of 10 degrees C (52 degrees F) or for the time necessary to attain 35% of the specified 28 day compressive strength of the concrete.
 - .4 The basic curing time shall be extended on all structural concrete until the concrete has achieved sufficient strength for structural safety. (70% of the specified 28 day compressive strength of the concrete unless otherwise directed by the Consultant.)

3.3 CLEANING

- .1 Clean work area daily in accordance with Section 01 74 00.
- .2 Remove all excess materials from site as Work proceeds and at completion.
- .3 On completion of the Work remove all tools, containers, surplus materials, equipment, waste, etc., and leave Site neat, clean and tidy to the satisfaction of the Owner.
- .4 Clean and make good surfaces soiled or otherwise damaged as a result of Work of this Section at no additional cost to the Owner.
- .5 Leave surfaces clean and ready for subsequent Work.

END OF SECTION