

1 **DOCUMENT 00 91 13**
2 **ADDENDUM #2**
3

4 **DATE:** February 3, 2012
5

6 **FROM:** Rettler Corporation
7 3317 Business Park Drive
8 Stevens Point, Wisconsin 54481
9

10 **TO:** *Prospective Bidders*
11

12 **RE:** Addendum #2 to the Bidding Documents for the
13

14 **BELOIT TURNER HIGH SCHOOL**
15 **RUNNING TRACK REDEVELOPMENT PROJECT**
16 **The School District of Beloit Turner**
17 **Beloit, Wisconsin**
18

19 This addendum forms a part of the Contract Documents and modifies the original Contract Documents
20 dated January 11, 2012 as noted below. Acknowledge receipt of this Addendum by inserting the number
21 and issue date of this addendum in the blank space provided on the Bid Form. Failure to do so may
22 subject the Bidder to disqualification.
23

24
25 **CHANGES TO SPECIFICATIONS**
26

27
28 **SECTION 32 31 13 – CHAIN LINK FENCING AND GATES**
29

30 **CLARIFICATION: MATERIALS TO BE FURNISHED (PAGE 3) – SCHEDULE OF FENCING**
31 **MATERIALS AND GATE MATERIALS**
32

33 The Line Posts and Corner Posts shall be 8', as depicted on the plan set, in lieu of the 6'
34 shown in the table.
35

36 **SECTION 03 35 53 EXTERIOR CEMENTICIOUS COATING SYSTEM**
37

38 **OMIT: DELETE SECTION 03 35 53 EXTERIOR CEMENTICIOUS COATING SYSTEM** as
39 written.
40

41 **ADD: New SECTION 03 35 53 EXTERIOR CEMENTICIOUS COATING** as ATTACHED.
42
43

44 **(END OF SECTION)**

1 Product Data: Indicate ingredients & proportions of patching/leveling materials, crack filling
2 materials, and wall coating materials.

3
4 Provide samples for initial selection: Manufacturer's color charts.

5
6 Provide Sample Panels: 2 by 2 feet, to demonstrate finish, color, and surface texture of vertical
7 concrete coating system. Panels should be cast a minimum of 21 days prior to the application of
8 wall coating materials.

9
10 Qualification Data: For Applicator and manufacturer provide names and addresses of five
11 recently completed projects, architects, and owners.

12 **QUALITY ASSURANCE**

13 Applicator Qualifications: Trained or approved by manufacturer of vertical concrete coating
14 system.

15
16 Manufacturer's Qualifications: Three year's experience manufacturing products required.

17
18 Source Limitations: Obtain products from same source throughout Project.

19 Sample Panels: Locate at site and obtain approval before start of final work. Field samples shall
20 be minimum 2 by 2 feet.

- 21
22
- 23 1. Multiple panels may be necessary to demonstrate range of finishes and workmanship.
 - 24 2. Approved field samples set quality standards for comparison with remaining work.
 - 25 3. Remove field samples when directed. Approved field samples may become part of the
26 completed Work if appropriately placed and undisturbed at completion of Project.

27
28 Preinstallation Conference: Conduct an onsite meeting at least 3 days prior to application of wall
29 coatings to confirm finish, color, and surface texture of sample panels. Discuss coordination of
30 work with other trades to comply with scheduling requirements.

31 **DELIVERY, STORAGE AND HANDLING**

32 Deliver materials in original packaging with labels intact.

33
34 Store in clean, dry and protected location, according to manufacturer's requirements.

35 **PROJECT CONDITIONS**

36 Environmental Requirements: Comply with vertical concrete coating system manufacturer's
37 instructions.

- 38 1. Do not apply vertical concrete coating system if air temperature and concrete substrate
39 temperature are not between 45 to 85 deg F before and during application.
- 40 2. In hot weather, apply vertical concrete coating system in early morning or when surfaces
41 are shaded.
- 42 3. Keep bagged products out of sunlight. Use cool water; do not use water from hot watering
43 hoses.
- 44 4. Protect vertical concrete coating system from rain for 24 hours.

45 **COORDINATION**

46 Contractor shall coordinate with all trades to ensure proper access, construction sequence, and
47 quality work to be completed.

48 **PART TWO – PRODUCTS**

49 **VERTICAL CONCRETE COATING SYSTEM MATERIALS**

50 Vertical Concrete Coating: Polymer-modified cementitious overlay.

- 1 1. Product: Butterfield Color® T1000™ Fine Overlay or equivalent. Two coatings
2 (scratch coat & texture coat) required.

3
4 Primer: Butterfield Color® T1000™ Concrete Primer or equivalent.

5
6 Water: Potable.

7
8 **INTEGRALLY-COLORED OVERLAY MATERIALS**

9 Integral Concrete Colorant: ASTM C 979, factory-measured powdered mix, consisting of
10 nonfading finely ground synthetic mineral-oxide coloring pigments and water reducing wetting
11 agent.

- 12
13 1. Product: Butterfield Color® T1000™ Color Pack or equivalent.
14 2. Color: Butterfield Color® U20 “Smoke” or equivalent.

15
16 **CONCRETE WALL CRACK REPAIR**

17 Crack Repair/Filling material shall be a quick setting, high strength, ultra low viscosity two-part
18 urethane system formulated for the rapid repair of cracked or damaged concrete such as
19 Butterfield Color FMC 656 Crack Repair or equivalent.

20
21 **PART THREE – EXECUTION**

22
23 **EXAMINATION**

24 Examine substrate for compliance with requirements.

25
26 Do not proceed with vertical concrete coating system application until unacceptable conditions
27 are corrected.

28
29 Protect adjacent structural elements such as sidewalks, pavements, walls, doors, windows,
30 handrails, and any other surface not indented to be receive the coating system.

31
32 **WEST RETAINING WALL LETTER REMOVAL**

33 Remove lettering on existing west concrete retaining wall by high-pressure washing (5,000 to
34 10,000 psi), grinding, chip hammering, abrasive blast cleaning, or sandblasting.

35
36 Fill voids left by lettering with Butterfield Color® T1000™ Fine Overlay or equivalent and allow
37 to fully cure before application of primer and vertical concrete texturing system.

38
39 **SUBSTRATE PREPARATION**

40 Surface Preparation, General: Remove potential bond breakers, such as grease, oil, silicone,
41 paint, sealant, curing and sealing compounds, drywall taping compound, etc. Repair damaged
42 and cracked substrates.

43
44 Concrete and Masonry:

- 45 1. New concrete shall be fully cured and free of form release compounds, sealing
46 compounds, laitance, or dusting.
47 2. Repair bugholes, rock pockets, and spalls with Butterfield Color® T1000™ Fine Overlay
48 or equivalent and allow to fully cure before application of primer and vertical concrete
49 texturing system.
50 3. Prepare existing concrete or masonry by high-pressure washing (5,000 to 10,000 psi, or
51 TSP (tri-sodium phosphate) and water with a scrub brush, then rinsed thoroughly.
52 4. Substrate preparation may also include grinding, chip hammering, abrasive blast
53 cleaning, or sandblasting.
54 a. Grind fins and other high points flush with adjacent surfaces.
55 b. Do not use detergents or soaps that leave a residue.
56 c. Do not acid etch.

5. Remove weak, delaminated, or unsound concrete substrates down to sound concrete.
6. Remove and repair damaged or loose mortar between masonry units.
7. Repair random cracks as outlined below.
8. Map out locations of existing control joints before applying vertical concrete coating system.

Allow surfaces to dry thoroughly prior to application of primer.

CONCRETE WALL CRACK REPAIR

Clean crack and remove all unsound concrete. Prepare crack using a twisted wire wheel or impact hammer. Cut perimeter of damage with a dry diamond blade. Crack must be V-grooved or similarly widened so crack repair material can be easily injected into the crack. Remove dust and debris by blowing with high-pressure air (oil free delivery). If the crack is cleaned using high-pressure water, the repair area must be thoroughly dry prior to applying crack repair materials. Do not clean crack with acid, detergents or any other chemical.

Concrete must be fully cured (28 days). Do not apply crack repair materials to weak or loose concrete. The crack must be free from release liquid or powder, curing compounds, sealers, and any other contamination that would impede flow, penetration, and adhesion. Do not apply to frozen concrete. Do not apply to damp or wet concrete. If used in cracks that will continue to receive significant movement or in control joints, parallel re-cracking may occur. Cracks greater than 1/16 inch wide and deeper than 1" may require sand loading with bagged, clean, gap-graded sand prior to applying crack repair materials. Consult manufacturer's recommendations for further details.

Mix, apply or inject, and cure crack repair materials in accordance with manufacturer's recommendations.

PRIMING SUBSTRATES

Apply an even coat of primer from two directions, free of holidays, to prepared substrates using a paint roller or bristle brush. Protect adjacent surfaces from overspray or splash.

1. Do not apply primer to damp substrates.
2. If primer application contains bubbles or pinholes, apply a second application of primer.
3. Apply a second application of primer of rough or porous concrete substrates.

Allow concrete primer to dry tack free prior to application of vertical concrete texturing system. If primed substrates become wet, reapply primer.

Prevent contamination of primed surfaces by dirt or other deleterious materials or conditions.

Apply scratch coat/leveling system within 24 hours of concrete primer application.

MIXING

Mixing Vertical Concrete Coating System: Mix materials in accurate proportions and according to manufacturer's instructions.

Add Butterfield Color® T1000™ Color Packs or equivalent to water and then mix with texture coat according to manufacturer's instructions to obtain approved color.

SCRATCH COAT APPLICATION

After primer has dried, apply a thin scratch coat of fine overlay material to surface. Adjust mix water so scratch coat does not run when applied to vertical surface.

Apply fine overlay by trowel or hopper gun to a thickness of 1/16- to 1/8-inch Butterfield Color® T1000™ Fine Overlay or equivalent.

1. Fill existing substrate joints and nonmoving random cracks with scratch coat.

- 1 2. Fill moving joints and cracks with the CONCRETE WALL CRACK REPAIR section of this
- 2 specification.
- 3 3. Integral color is not required in scratch coat.
- 4 4. Use of a Marshalltown hopper gun and a 20-35 PSI air compressor are recommended.

5
6 Horizontally rake scratch coat with scratcher trowel or scarifier to create a surface profile. Do not
7 rake through scratch coat. Allow scratch coat to cure eight hours before applying vertical
8 concrete texturing system.

9
10 Reapply an even coat of concrete primer to scratch coat complying with PRIMING
11 SUBSTRATES section above.

12
13 **TEXTURE COAT APPLICATION**

14 Apply texture coat by trowel or hopper gun to a thickness of 1/16- to 1/8-inch Butterfield Color®
15 T1000™ Fine Overlay or equivalent. Integral color using Butterfield Color® T1000™ Color
16 Packs or equivalent is required in texture coat.

17
18 **CURING**

19 Cure according to manufacturer's instructions.

20
21 **JOINTS**

22 Recut existing control joints full depth, and matching existing width, within 14 hours after
23 placement at 70 deg F, when vertical concrete texture system has gained adequate strength so
24 sawcutting does not damage surfaces.

25
26 **REPAIRS, CLEANING, AND PROTECTION**

27 Clean surface preparation materials prior to application of coating materials.

28
29 Repair damaged vertical concrete texturing system according to manufacturer's instructions.

30
31 Clean spillage and soiling from adjacent construction according to manufacturer's instructions.

32
33 Protect vertical concrete texturing system from damage or deterioration until date of Substantial
34 Completion.

35
36 **PART FOUR – MEASUREMENT AND PAYMENT**

37
38 **CONCRETE WALL CRACK REPAIR**

39 Retaining wall crack repair be measured as a single lump sum unit as described on the bid form.

40
41 Retaining wall crack repair will be paid for at the lump sum unit price which shall be full
42 compensation for furnishing all materials, for all labor, tools, equipment and incidentals
43 necessary to complete the work per the plans and specifications.

44
45 **WALL LETTERING REMOVAL**

46 Wall lettering removal shall be measured as a single lump sum unit as described on the bid
47 form.

48
49 Wall Lettering removal will be paid for at the lump sum unit price which shall be full
50 compensation for furnishing all materials, for all labor, tools, equipment and incidentals
51 necessary to complete the work as described per the plans and specifications.

52
53 **CONCRETE WALL COATING**

54 Wall coating shall be measured as a single lump sum unit as described on the bid form.

55

1 Wall coating will be paid for at the lump sum unit price which shall be full compensation for
2 furnishing all materials, for all labor, tools, equipment and incidentals necessary to complete the
3 work as described per the plans and specifications.
4
5
6

End of Section