



Housing Authority of the City of Pittsburgh

Contracting Officer
100 Ross Street
2nd Floor Suite 200
Pittsburgh, PA 15219
(412) 456-5248
Fax: (412) 456-5007
www.hacp.org

November 14, 2016

**Balcony Repairs at PA Bidwell, PA-15
IFB#600-43-16-G-E**

ADDENDUM NO.3

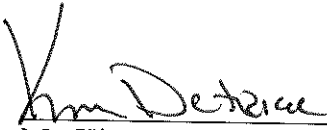
This addendum issued November 14, 2016 becomes in its entirety a part of the Invitation for Bid IFB #600-43-16-G-E as is fully set forth herein:

Item 1: Specification Section 09 96 00, High Performance Coatings revise as follows:

Please see attached document.

Item 2: The proposal due date for this IFB has been extended to Friday, November 18, 2016 and the time and location remain unchanged at 10:00 AM, at the HACP Procurement Dept., 100 Ross St. 2nd Floor, Suite 200, Pittsburgh, PA 15219.

END OF ADDENDUM NO. 3



Mr. Kim Detrick
Procurement Director/Contracting Officer

11-14-16
Date

SECTION 09 96 00 - HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and application of high-performance coating systems on the following substrates:
 - 1. Exterior Substrates:
 - a. Concrete, vertical and horizontal traffic and non-traffic surfaces.
- B. Coating scope shall not be limited to concrete repair areas only, but shall include the entirety of the following exterior surfaces:
 - 1. Asbestos-abated corridor/balcony ceilings.
 - 2. Corridor/balcony floors.
 - 3. Corridor/balcony perimeter beams, all surfaces exposed to view.
- C. Related Sections:
 - 1. Section 03 31 10 "Concrete Demolition and Repair" for concrete repair materials installed prior to coating operations, and for which compatibility with materials in this Section has been tested and demonstrated.
 - 2. Section 07 92 00 "Joint Sealants" for sealant materials installed prior to coating operations, and for which compatibility with materials in this Section has been tested and demonstrated.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include preparation requirements and application instructions.
- B. Samples for Initial Selection: For each type of topcoat product indicated.

1.4 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Coatings: 5 percent, but not less than 1 gal. of each material and color applied.

1.5 QUALITY ASSURANCE

- A. Pre-Installation Coating Bond Test: Prepare surfaces as directed and perform a coating bond test for each product within the coating system. Do not proceed with project-wide coating installation until bond test results are satisfactory to Owner, Architect, and Manufacturer's Representative.
 - 1. If the results of a bond test are not satisfactory, perform additional surface preparation and additional bond tests at no added cost to Owner.
 - 2. Satisfactory bond test results shall set quality standards for materials and execution.
- B. Mockups: Apply mockups of each coating system indicated to verify preliminary selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Architect will select surfaces to represent surfaces and conditions for application of each coating system specified in Part 3.
 - a. Ceiling Surfaces: One entire balcony bay.
 - b. Floor Surfaces: One entire balcony bay.
 - c. Perimeter Beam Surfaces: One entire balcony bay.
 - d. Other Items: Architect will designate items or areas required.
 - 2. Prior to mockup application, prepare areas as specified in Section 03 31 00 "Concrete Demolition and Repair", Section 07 92 00 "Joint Sealants", and Part 3 of this Section. Preparation work shall be reviewed and approved by Owner, Architect, and Manufacturer's Representative prior to mockup coating installation. Provide one week notice to all parties.
 - a. Surface Preparation ready for coating application.
 - b. Crack Repairs.
 - c. Perimeter sealant installation.
 - 3. Final approval of color selections will be based on mockups.
 - a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.
 - 4. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing. Coating work shall be reviewed and approved by Owner, Architect, and Manufacturer's Representative prior to project-wide installation. Provide one week notice to all parties.
 - 5. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- C. Material Compatibility:
 - 1. Provide materials for use within each coating system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on coating bond testing and field experience.
 - 2. For each coat in a coating system, provide products recommended in writing by manufacturers of topcoat for use in coating system and on substrate indicated.
 - 3. Provide products of one manufacturer as a compatibility-tested system covered under warranty.
- D. Warranties:

1. Provide manufacturer's waterproof system warranty of five years.
2. Provide installer's workmanship warranty of two years.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
 1. Maintain containers in clean condition, free of foreign materials and residue.
 2. Remove rags and waste from storage areas daily.

1.7 FIELD CONDITIONS

- A. Apply coatings only when temperature of surfaces to be coated and surrounding daytime and nighttime air temperatures are between 50 and 90 deg F for 24 hours.
- B. Do not apply coatings when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.
- C. Do not apply exterior coatings in snow, rain, fog, or mist.
- D. Do not apply exterior coatings if rain is expected within 24 hours of application.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 1. Sika Corporation.

2.2 PRODUCTS

- A. Basis of Design Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
 1. Horizontal Traffic Surfaces:
 - a. Sikalastic 710 NP Base Coat.
 - b. Sikalastic 735 AL Top Coat, with slip-resistant aggregate embedment.
 - c. Sikalastic 700 ACL Accelerator, to speed cure time as required.
 2. Horizontal Non-Traffic Surfaces:
 - a. Sikaguard 670W, two uniform coats.
 3. Vertical Surfaces:
 - a. Sikaguard 670W, two uniform coats.

- B. Accessory Products:
 - 1. As recommended in writing by manufacturer.
- 2.3 HIGH-PERFORMANCE COATINGS, GENERAL
 - A. Colors: Custom match to in-service coating colors.
- 2.4 SOURCE QUALITY CONTROL
 - A. Testing of Coating Materials: Owner reserves the right to invoke the following procedure:
 - 1. Owner will engage the services of a qualified testing agency to sample coating materials. Contractor will be notified in advance and may be present when samples are taken. If coating materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
 - 2. Testing agency will perform tests for compliance with product requirements.
 - 3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying coating materials from Project site, pay for testing, and recoat surfaces coated with rejected materials. Contractor will be required to remove rejected materials from previously coated surfaces if, on recoating with complying materials, the two coatings are incompatible.

PART 3 - EXECUTION

- 3.1 EXAMINATION
 - A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - a. Concrete: 12 percent.
 - B. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
 - C. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.
- 3.2 PREPARATION
 - A. Comply with manufacturer's written instructions applicable to substrates indicated.
 - B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.
- C. Clean substrates of substances that could impair bond of coatings, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 1. Remove incompatible primers and reprime substrate with compatible primers or apply approved tie coat as required to produce coating systems indicated.
- D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.
 1. Clean surfaces with manufacturer's approved cleaning agents and rinse with pressurized water. Use pressure range of 3000 psi, minimum, at 6 to 12 inches, to completely remove all weak or flaking existing coatings down to sound, raw concrete.
 2. After pressure-cleaning, further scraping or grinding may be required to remove weak or flaking existing coatings down to sound, raw concrete.
 3. Sound, existing coatings shall be abraded to a rough finish with all dirt, laitance, and debris fully removed in preparation for the new coating system.

3.3 SPALL AND CRACK REPAIR

- A. Comply with requirements in Section 03 31 00 "Concrete Demolition and Repair".

3.4 RAILING PREPARATION AND PAINTING

- A. Comply with requirements in Section 09 91 13 "Exterior Painting".

3.5 SEALANT INSTALLATION AT RAILING POST PENETRATIONS

- A. Comply with requirements in section 07 92 00 "Joint Sealants".

3.6 APPLICATION

- A. Apply high-performance coatings according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."
 1. Use applicators and techniques suited for coating and substrate indicated.
 2. Coat surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, coat surfaces behind permanently fixed equipment or furniture with prime coat only.
 3. Do not apply coatings over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of the same material are to be applied. Tint undercoats to match color of finish coat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

- C. If undercoats or other conditions show through final coat, apply additional coats until cured film has a uniform coating finish, color, and appearance.
- D. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Produce sharp glass lines and color breaks.

3.7 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner will engage the services of a qualified testing and inspecting agency to inspect and test coatings for dry film thickness.
 - 1. Contractor shall touch up and restore coated surfaces damaged by testing.
 - 2. If test results show that dry film thickness of applied coating does not comply with coating manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with coating manufacturer's written recommendations.

3.8 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from coating operation. Correct damage by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

END OF SECTION 09 96 00