

# schaefer

Addendum No. 01

Project No. 1311.07

**Date** August 28, 2013  
**Project** Automatic Truck Wash  
City of Dublin  
**Purpose** Modify the Contract Documents

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TO ALL BIDDERS: This document supplements and/or amends the original Drawings and Project Manual, issued and dated July 26, 2013, and shall be taken into account when preparing bids, and shall become part of the Contract Documents.

## Pre-Bid RFI Questions:

- Item 1. Will the truckwash equipment supplier be setting and anchoring their own equipment?  
Answer: The City of Dublin has directly contracted Hydro-chem to provide all truckwash equipment. Hydrochem will set and anchor all equipment. Contractors will be responsible for all connections to and between pieces of equipment provided by the City. See revised Specification Section 011100 for further clarification.
- Item 2. Will the truckwash equipment drawings be available?  
Answer: The equipment drawings will be made available for information only. They can be viewed at The Service Center, 6555 Shier Rings Road
- Item 3. Are the contract documents available to view or print?  
Answer: Documents are available at the Service Center or they can be downloaded from the City of Dublin's website.
- Item 4. May the project site be visited again with subcontractors prior to bid submissions?  
Answer: Yes. Coordinate all visits with Larry George, 614-496-0200 or at e-mail address: [LGeorge@dublin.oh.us](mailto:LGeorge@dublin.oh.us)
- Item 5. Will the floor be painted?  
Answer: Just the areas of patch & repair for trench installation to match existing floor paint. See revised Specification Section 099600.
- Item 6. Will the steel/ceiling be painted?  
Answer: No. Only the walls and floor as indicated in question 5.

## Drawing Revisions:

- Item 1. SHEET P-200, DEMOLITION AND NEW WORK - PLUMBING
- A. In the demolition view, the only item that is being removed is the trench drain noted in coded note #1 and its' associated sanitary connection to the existing sanitary building main. These items are shown in dark, dashed lines.

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Specification Revisions:

- Item 1. SECTION 099600 –HIGH PERFORMANCE COATINGS
  - A. Revise attached specification section as shown include painting patched, repaired and damaged floor areas.
- Item 2. SECTION 011100 – SUMMARY OF WORK
  - A. Revise the attached specification section as shown to clarify scope of installation for Owner Furnished Products.

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Carrie C. Bremer, PE

**ATTACHED:**

PRE-BID MEETING SIGN IN SHEET  
SPECIFICATION SECTION 099600  
SPECIFICATION SECTION 011100

END OF ADDENDUM NO. 01

## SECTION 01 11 00 - SUMMARY OF WORK

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and the provisions of the Contract apply to this Section.

#### 1.2 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Project consists of all items of Work as shown on the drawings and specified in the Project Manual.

- 1. Owner: City of Dublin  
6555 Shier Rings Road  
Dublin, Ohio 43016.
- 2. Owner's Representative: Brian Ashford  
6555 Shier Rings Road  
Dublin, Ohio 43016  
Phone: 614.410.4790

- B. Type of Contract:

- 1. Project will be constructed under a single prime contract

#### 1.3 CONCURRENT WORK

- C. The Owner has awarded separate contract(s) for the following construction operations at the Project site. Those operations may be conducted simultaneously with the work under this Contract.

- 1. City of Dublin Outbuilding Expansion: Construction of additional outbuildings and expansion of paved lot.

#### 1.4 GENERAL REQUIREMENTS

- A. Section 01 11 00 - Summary Of Work
- B. Section 01 33 00 - Project Schedule
- C. Section 01 33 23 - Shop Drawings, Product Data, and Samples
- D. Section 01 50 00 - Temporary Facilities and Controls
- E. Section 01 74 00 - Cleaning and Waste Management

## 1.5 OWNER-FURNISHED PRODUCTS

A. Owner will furnish products indicated. The Work includes receiving, unloading, handling, storing, and protecting Owner-furnished products and making building services connections. The Work will include installation of all Owner-furnished products other than items indicated below to be installed by Hydro-chem Systems, Inc. (HCS).

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1. The Contractor will be responsible for the unloading of all Truck Wash Equipment. All equipment will arrive on a flat bed trailer. Various pieces of equipment will exceed 1,000 lbs. The Contractor shall provide a fork lift or other appropriate equipment for unloading all Truck Wash Equipment.
2. The equipment will need to be stored in a secure dry location.
3. The Contractor will be responsible to provide access to a fork lift and man lift for use by HCS during erection of Vehicle Wash Equipment performed by HCS. This fork lift will be used in the erection of the wash arches and the placement of the rinse pump and other equipment. A man lift will need to be made available to HCS for a period of approximately 3 days.
4. HCS will erect and anchor all of the arches to the concrete.
5. HCS will anchor all pumps to the concrete.
6. HCS will anchor all control panels to the walls including: Master Control Panel, Air Control Panel, Motor Starters, Pace Lights, System Stop Box.
7. HCS will anchor all Guide Rails to the concrete.
8. HCS will responsible for the actual installation of the loop detectors. The Contractor will be responsible for all costs and coordination of the saw cutting activities. The saw cutter will need to be available in the afternoon of the first day of HCS set up. A full-size walk behind concrete saw will be required for these activities.
9. The Contractor will responsible for welding HCS supplied C-Channel steel across the trench drain. This C-Channel steel will be utilized for the installation of the loop detectors. HCS will instruct the contractor to the exact placement.
10. HCS will instruct the electrician on where the HCS provided motor starters and pace lights are to be placed.
11. HCS will coordinate with the electrical contractor to review the electrical connections required, after all of the equipment is erected and in it's final position.
12. HCS will coordinate with the plumbing contractor to review the plumbing connections required after equipment is erected and in it's final position.

B. Owner-Furnished Products:

1. Truck wash equipment as supplied by Hydro-chem Systems, Inc. and indicated in drawings provided for information only.

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City of Dublin  
June 26, 2013

- i. Keith Bailey  
Hydro-chem Systems Inc.  
5550 Clay S.W.  
Grand Rapids, MI 49548  
PH: (616) 531-6420  
Fax: (616) 531-8692

#### 1.6 CONTRACTOR USE OF PREMISES

- A. Access: Access to the site is restricted. Limit use of the premises to Work areas. Do not disturb portions of the site beyond the areas in which the Work is indicated. See also the requirements in Section 01 50 00 Temporary Facilities and Controls.
  - 1. Owner Occupancy: Allow for Owner occupancy and use of the building during the Work.
  - 2. Hours of work: Access to the Site shall be allowed and Work shall be performed between the hours of 7:00 am and 5:00 pm, Monday – Friday. Weekend work may be accommodated with upon request to the Facilities Manager of the City of Dublin.
  - 3. Parking: Owner will identify available parking areas for workers and equipment.
- B. Utility Interruptions: All interruptions of existing utility services shall be arranged with the Owner, utility company and existing users. All interruptions shall be scheduled with the Owner at least 2 business days prior to service interruption.

#### 1.7 PERMITS AND FEES

- A. Contractor shall obtain and pay for all necessary permits, governmental fees, licenses and inspections required for the proper execution and completion of the Work.

#### 1.8 SAFETY AND PROTECTION

- A. It shall be understood that the Engineer's on-site observations are not intended to include review of the adequacy of the Contractor's safety measures on or near the Project site.
- B. Compliance with all regulations pertaining to safety and health is the complete responsibility of the Contractor. The Contractor shall be completely responsible for safety and protective measures in order to protect persons and property. The Contractor shall comply with all OSHA requirements and all other governing requirements. The Contractor shall provide barricades, warning lights, fences, fall protection, and all other means necessary to protect the Owner, the Owner's employees, the public, the workers, and property from harm and damage. See also the requirements in Section 01 50 00 Temporary Facilities and Controls.

#### 1.9 MANUFACTURER'S DIRECTIONS

- A. Manufactured articles, materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned as per manufacturer's printed specifications and directions, unless specified to contrary.
- B. Whenever trade or manufacturer's associations have published recognized standards applying to the use of materials and installation methods, the latest issue of such standards and recommendations shall, where applicable, govern the use of such materials and their installation unless otherwise specified.

1.10 DELIVERY OF MATERIALS AND STORAGE

- A. The Contractor shall be responsible for the unloading, checking and storage of all materials owned, assigned, to, or used by him or his Subcontractors in connection with the work.
- B. The Owner shall identify available storage areas.
- C. The Contractor and Subcontractors shall be responsible for the proper care and protection of all equipment and material delivered to the site.
- D. Any material or equipment which may be affected by the weather shall be covered and protected from the weather while being transported to the site, while stored on the site, and while incorporated in the Work.
- E. Damaged materials shall not be used in the Work.
- F. Should it become necessary at any time during the course of the Work to move stored materials which are to be used in the Work or equipment which has been temporarily placed on the job, then the Contractor or Subcontractor responsible for such materials or equipment shall move them or cause them to be moved without additional charge to the Owner.

1.11 CARE OF WORK

- A. The Contractor shall adopt reasonable methods during the life of the Contract to furnish continuous protection to the site and to the Work, materials and equipment thereon to the end that loss or damage may be prevented. He shall be responsible for all damages to persons or property that occur as a result of his fault or negligence in connection with the prosecution of the Work and shall be responsible for the proper care and protection of all materials delivered and Work performed until completion and final acceptance, whether or not the same has been covered by partial payments made by the Owner.

1.12 CLEAN UP

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- A. The Contractor shall remove from the premises all accumulation of debris, waste materials and rubbish caused by his employees or Subcontractors. See also the requirements in Section 01 74 00 Cleaning and Waste Management.

END OF SECTION 01 11 00

## SECTION 0996600 –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 the application of high performance coating systems on the following interior substrates:

1. Concrete masonry units (CMU).
2. All interior CMU wall surfaces in the area of work are to be coated with high performance coatings. The area of work for coating purposes are the bays in which the truck wash system is installed and is bounded by column lines 1 to 3 in the east-west direction and A-D in the north-south direction.

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3. **Concrete, horizontal surfaces**
4. **All interior unpainted or damaged concrete floor surfaces in the area of work are to be coated with high performance coatings, including areas of patched and repaired concrete at floor trench locations. The area of work for coating purposes are the bays in which the truck wash system is installed and is bounded by column lines 1 to 3 in the east-west direction and A-D in the north-south direction.**

#### 1.3 DEFINITIONS

- A. Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.
- B. Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

#### 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. Paint: 5 percent, but not less than 5 gal. of each material and color applied.

#### 1.5 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 (7 deg C).

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

#### 1.6 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

### 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. Behr Process Corporation.
  2. Benjamin Moore & Co.
  3. Benjamin Moore & Co. (Canada).
  4. Bennette Paint Manufacturing Company, Inc.
  5. Betonel Ltd.
  6. BLP Mobile Paint Manufacturing.
  7. California Paints.
  8. Cloverdale Paint.
  9. Color Wheel Paints & Coatings.
  10. Columbia Paint & Coatings.
  11. Conco Paints.
  12. Coronado Paint.
  13. Davis Paint Company.
  14. Diamond Vogel Paints.
  15. Dunn-Edwards Corporation.
  16. Durant Performance Coatings.
  17. Duron, Inc.
  18. Envirocoatings Canada Inc.
  19. Euclid Chemical Company.
  20. Farrell-Calhoun.
  21. Frazee Paint.
  22. General Paint.
  23. Hallman Lindsay Paints.
  24. Hirshfield's, Inc.
  25. ICI Paints.
  26. ICI Paints (Canada).
  27. Insl-x.
  28. Kelly-Moore Paints.
  29. Kwal Paint.

30. M.A.B. Paints.
31. McCormick Paints.
32. Microblend Technologies Inc.
33. Miller Paint.
34. Mills Paint.
35. PARA Paints.
36. Parex LaHabra Inc.
37. Parker Paint Mfg. Co. Inc.
38. PPG Architectural Finishes, Inc.
39. Pratt & Lambert.
40. Rodda Paint Co.
41. Scott Paint.
42. Sherwin-Williams Company (The).
43. Sico, Inc.
44. Southern Diversified Products, LLC.
45. Smith Paint Products.
46. Vista Paint.
47. Zinsser.

- B. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to products listed in other Part 2 articles for the paint category indicated.

## 2.2 HIGH-PERFORMANCE COATINGS, GENERAL

- A. MPI Standards: Provide products that comply with MPI standards indicated and are listed in "MPI Approved Products List."
- B. 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 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..
- C. Colors: As selected by Owner from manufacturer's full range

## 2.3 BLOCK FILLERS

- A. Block Filler, Epoxy: MPI #116.

## 2.4 PRIMERS/SEALERS

- A. Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer

2.5 EPOXY COATINGS

A. Epoxy, Gloss: MPI #77.

1. Apply intermediate and top coats per manufacturer's recommendations.

**B. Epoxy Deck Coating (Slip-Resistant): MPI #82.**

1. **Coating to match existing floor coating in appearance & performance.**
2. **Apply intermediate and top coats per manufacturer's recommendations .**

2.6 SOURCE QUALITY CONTROL

A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:

1. Owner will engage the services of a qualified testing agency to sample materials. Contractor will be notified in advance and may be present when samples are taken. If 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 coatings if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying materials from Project site, pay for testing, and recoat surfaces coated with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on recoating with complying materials, the two coats 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.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
  1. Masonry ( CMU): 12 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected.
  1. Application of coating indicates acceptance of surfaces and conditions.

### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" 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 coating operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
  - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceed that permitted in manufacturer's written instructions.
  - 1. Clean surfaces with pressurized water. Use pressure range of 100 to 600 psi (690 to 4140 kPa) at 6 to 12 inches (150 to 300 mm).

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- E. **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 pressurized water. Use pressure range of 1500 to 4000 psi (10 350 to 27 580 kPa)**
  - 2. **Abrasive blast clean surfaces to comply with SSPC-SP 7/NACE No. 4, "Brush-Off Blast Cleaning."**

### 3.3 APPLICATION

- A. Apply coatings according to manufacturer's written instructions and to recommendations in "MPI 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.
  - 3. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
- B. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform finish, color, and appearance.

- C. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections.

#### 3.4 FIELD QUALITY CONTROL

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

#### 3.5 CLEANING AND PROTECTION

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

END OF SECTION 099600