



ADDENDUM TO THE CONTRACT

for the

MAIN STREET, SECOND TO FIFTH STREET IMPROVEMENTS

Contract No. E12-167

ADDENDUM NO.: ONE

CURRENT DEADLINE FOR BIDS:
May 25, 2012

PREVIOUS ADDENDA: NONE

ISSUED BY: City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

DATE ADDENDUM ISSUED: May 21, 2012

The following items of the Contract are modified as herein indicated. All other items remain the same. This is a faxed addendum. A confirming copy will not be mailed to you. If this fax is incomplete, please call (907) 586-0490, and we will re-send it. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at: <http://www.juneau.org/engineering ftp/contracts/Contracts.php>

PROJECT MANUAL

Item No. 1 SECTION 003305 – CONCRETE AND GRANITE PAVERS, PART 1 – GENERAL, ARTICLE 1.4 QUALITY ASSURANCE, *delete* paragraph A in its entirety and *replace* with the following:

“A. Installation shall be by an installer with at least five years of experience in placing interlocking concrete pavers on projects of similar nature or dollar cost.”

Item No. 2 SECTION 05120 – STRUCTURAL STEEL, PART 2 – PRODUCTS, *add* the following article:

“2.8 GALVANIZING

A. Hot-Dip Galvanized Finish: Apply zinc coating by the hot-dip process to structural steel according to ASTM A 123. Provide minimum 2.3 oz/sq ft galvanized coating. (grade 100, typical.)

1. Fill vent and drain holes that will be exposed in the finished Work unless they will function as weep holes, by plugging with zinc solder and filing off smooth.

2. Galvanize column, base plate and main beam(s) connected to column. Canopy superstructure steel shall not be galvanized.
3. Galvanize anchor bolts, plate washers, nuts and washers.”

Item No. 3 SECTION 05120, PART 3 – EXECUTION, ARTICLE 3.6, REPAIRS AND PROTECTION, **add** the following paragraph:

“A. Galvanized Surfaces: Clean areas where galvanizing is damaged or missing and repair galvanizing to comply with ASTM A 780, using hot applied zinc-base solders to a thickness to match specified coating thickness.”

Item No. 4 SECTION 05121 – ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING, PART 2 – PRODUCTS, **add** the following article:

“2.4 GALVANIZING

- A. Hot-Dip Galvanized Finish: Apply zinc coating by the hot-dip process to structural steel according to ASTM A 123/A 123M. Provide minimum 2.3 oz/sq ft galvanized coating (designation G210, typical).
- B. Galvanize column, base plate and main beam(s) connected to column. Canopy superstructure steel shall not be galvanized.
- C. Galvanize anchor bolts, plate washers, nuts and washers.”

Item No. 5 SECTION 05121 – ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING, PART 3 – EXECUTION, ARTICLE 3.5 REPAIRS AND PROTECTION, **add** following paragraph:

“D. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780, using hot-applied zinc-base solders to a thickness to match specified coating thickness.”

Item No. 6 SECTION 09900 – PAINTS AND COATINGS, **delete** the section in its entirety and **replace** with the attached SECTION 00900 – PAINTS AND COATINGS, labeled Addendum 1.

DRAWINGS

Item No. 7 Sheet No. 12, titled “PROJECT PHASING AND TRAFFIC CONTROL PLAN,” **replace** the phase I requirements with the following:

PROJECT PHASING PLAN		
PHASE	COMPLETION DATE	REQUIREMENTS
I	OCTOBER 1, 2012 OR 45 DAYS AFTER WORK BEGINS ON SITE, WHICHEVER COMES FIRST (WITH THE EXCEPTION OF CONSTRUCTION SURVEYING).	ALL WORK SHALL BE COMPLETE.

Item No. 8 Sheet No. 42, titled "GENERAL STRUCTURAL NOTES," **add** the following to the "STEEL" notes:

"S7 COATINGS

ALL STRUCTURAL STEEL AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL MEMBERS, FASTENERS AND APPURTENANCES SHALL BE HOT-DIPPED GALVANIZED AS SPECIFIED, WITH THE FOLLOWING EXCEPTION: CANOPY FRAMES AND PLATES THAT ARE FIELD-BOLTED TO THE COLUMN AND BEAM ASSEMBLY SHALL NOT BE HOT-DIPPED GALVANIZED TO AVOID WARPING DURING FABRICATION. BOTH GALVANIZED AND NON-GALVANIZED STEEL SHALL BE PAINTED WITH THE SYSTEMS SPECIFIED."

By:  _____
Jennifer Mannix, CBJ Contract Administrator

Total number of pages contained within this Addendum: 12.

SECTION 09900 - PAINTS AND COATINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Surface preparation.
- B. Shop application of paints, varnishes, and other coatings.
- C. Scope: Finish all exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
 - 1. Structural Steel
 - 2. Galvanized Metal, previously coated
 - 3. All wood soffits
 - 4. Electrical in finished areas, paint conduit, boxes, cover plates, electrical equipment, unless otherwise indicated.
- D. Do Not Paint or Finish the Following Items:
 - 1. Items fully factory-finished unless specifically so indicated; materials and products having factory-applied primers are not considered factory finished.
 - 2. Items indicated to receive other finishes.
 - 3. Items indicated to remain unfinished.
 - 4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
 - 5. Non-metallic roofing and flashing.
 - 6. Stainless steel, AAES, anodized aluminum, and bronze items.
 - 7. Marble, granite, slate, and other natural stones.
 - 8. Glass.
 - 11. Structural and precast concrete, unless specifically so indicated.
 - 12. Concealed conduits.

1.2 RELATED REQUIREMENTS

- A. Section 05120, 05121 - Metal Fabrications: Shop-primed items.
- B. Division 16 - Electrical Identification: Painted identification and Color-coding scheme for items to be painted under this section.

1.3 DEFINITIONS

- A. Conform to ASTM D 16 for interpretation of terms used in this section.

1.4 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.

SECTION 09900 - PAINTS AND COATINGS

- B. ASTM D 16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2007.
- C. ASTM D 4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials; 1992 (Reapproved 2003).
- D. GreenSeal GS-11 - Paints; 1993.
- E. SSPC (PM1) - Good Painting Practice: SSPC Painting Manual, Vol. 1; Society for Protective Coatings; Fourth Edition.

1.5 SUBMITTALS

- A. See Section 01300 - Contractor Submittals, for submittal procedures.
- B. Product Data: Provide data on all finishing products, including VOC content.
- C. Samples: Submit two painted samples, illustrating selected colors and textures for each color and system selected with specified coats cascaded. Submit on aluminum sheet, 6x8 inch in size.
- D. Certification: By manufacturer that all paints and coatings comply with VOC limits specified.
- E. Certification: By manufacturer that all paints and coatings do not contain any of the prohibited chemicals specified; GreenSeal GS-11 certification is not required but if provided shall constitute acceptable certification.
- F. Schedule of proposed products, applications, and corresponding MPI numbers.
- G. Manufacturer's Instructions: Indicate special surface preparation procedures.
- H. Maintenance Data: Submit data on cleaning, touch-up, and repair of painted and coated surfaces.
- I. Maintenance Materials: Furnish the following for OWNER's use in maintenance of project.
 - 1. See Section 01600 - Materials and Equipment, for additional provisions.
 - 2. Extra Paint and Coatings: 1 gallon of each color; store where directed.
 - 3. Label each container with color in addition to the manufacturer's label.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.
- B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum 10 years experience.
- C. MPI Standards; www.paintinfo.com/mpi:

SECTION 09900 - PAINTS AND COATINGS

1. Products: complying with MPI standards indicated and listed in "MPI Approved Products List".
2. Preparation and workmanship: Comply with requirements in "MPI Architectural Painting Specification Manual"

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.8 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Provide all paint and coating products from the same manufacturer to the greatest extent possible.
- B. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the Work include, but are not limited to, the following:
 1. Duron, Inc: www.duron.com.
 2. ICI Paints: www.icipaintsinna.com.
 3. Benjamin Moore & Co: www.benjaminmoore.com.
 4. PPG Protective and Marine Coatings: [Http:///pgamercatus.ppgmc.com/](http://pgamercatus.ppgmc.com/)
 5. Pratt & Lambert Paints: www.pratlambert.com.
- C. Substitutions: See section 01600 - Materials and Equipment

SECTION 09900 - PAINTS AND COATINGS

2.2 PAINTS AND COATINGS - GENERAL

- A. Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.
1. Provide paints and coatings of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
 2. Supply each coating material in quantity required to complete entire project's work from a single production run.
 3. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
- B. Primers: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.
- C. Volatile Organic Compound (VOC) Content:
1. Provide coatings that comply with the most stringent requirements specified in the following:
 - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
 2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
- D. Colors: To be selected from manufacturer's full range of available colors.
1. Selection to be made by ENGINEER after award of contract.
 2. Allow for minimum of three colors for each system, unless otherwise indicated, without additional cost to OWNER.
 3. Extend colors to surface edges; colors may change at any edge as directed by ENGINEER.
 4. In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling/soffit they are mounted on/under.

2.3 STAINS AND TRANSPARENT FINISH SYSTEMS - WOOD SOFFITS

- A. Wood, Transparent, Varnish, No Stain:
1. One coat sealer.
 2. Satin: Two coats of varnish

SECTION 09900 - PAINTS AND COATINGS

2.4 PAINT SYSTEMS – STRUCTURAL STEEL

A. METAL PRIMERS - Inorganic Zinc Primer: MPI #19. Shop Primed unless otherwise noted...

1. Basis-of-Design Product: Subject to compliance with requirements, provide Ameron International; Dimetcote 302H, Reinforced Inorganic Zinc Primer, 302 Series, 1 coat, 4 mils dft, PPG Protective and Marine Coatings or comparable product by one of the following:
 - a. ICI Paints.
 - b. PPG Protective and Marine Coatings
 - c. Sherwin-Williams Company (The).
 - d. Benjamin Moore

B. EPOXY PRIMER COATING - Epoxy Bonding Primer: Shop Primed unless otherwise noted

1. Basis-of-Design Product: Subject to compliance with requirements, provide 1 coat Americote International, Inc.; Amerilock Series, Amerilock II, 5 mils dft or comparable product by one of the following:
 - a. ICI Paints.
 - b. PPG Protective and Marine Coatings
 - c. Sherwin-Williams Company (The).
 - d. Benjamin Moore

C. EPOXY FINISH COATING – Engineered Siloxane Coating: Shop Painted unless otherwise noted

1. Basis-of-Design Product: Subject to compliance with requirements, provide 2 coats Americote International, Inc.; Engineered Siloxane Coating, PSX 700FD, 3.5 mils, (7 mils dft total). or comparable product by one of the following:
 - a. ICI Paints.
 - b. PPG Protective and Marine Coatings
 - c. Sherwin-Williams Company (The).
 - d. Benjamin Moore

2.5 PAINT SYSTEMS – GALVANIZED STRUCTURAL STEEL

A. PRE-TREATMENT WASH – Galvanized Surface Cleaner

1. Basis-of-Design Product: Subject to compliance with requirements, PPG Protective and Marine Coatings Prep 88 Water Based Alkaline Cleaner prior to application of Pre-Treatment Wash Primer. Alternative option or comparable product by one of the following:

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- a. PPG Protective and Marine Coatings
- b. ICI Paints.
- c. Sherwin-Williams Company (The).
- d. Benjamin Moore

B. PRE-TREATMENT WASH PRIMER – DOD-P-15328

1. Basis-of-Design Product: Subject to compliance with requirements, provide Top Secret Coatings SM0117 Pre-Treatment Wash Primer coat, for treatment of hard to adhere metal surfaces prior to application of primer. Application recommended to be sprayed to no more than “fog-coat”. Light brush coat, alternative option or comparable product by one of the following:

- a. Top Secret Coatings
- b. ICI Paints.
- c. Sherwin-Williams Company (The).
- d. Benjamin Moore

C. EPOXY PRIMER COATING - Epoxy Bonding Primer: Shop Primed unless otherwise noted

1. Basis-of-Design Product: Subject to compliance with requirements, provide 1 coat Americote International, Inc.; Amerilock Series, Amerilock II, 5 mils dft or comparable product by one of the following:

- a. ICI Paints.
- b. PPG Protective and Marine Coatings
- c. Sherwin-Williams Company (The).
- d. Benjamin Moore

D. EPOXY FINISH COATING – Engineered Siloxane Coating: Shop Painted unless otherwise noted

1. Basis-of-Design Product: Subject to compliance with requirements, provide 2 coats Americote International, Inc.; Engineered Siloxane Coating, PSX 700FD, 3.5 mils, (7 mils dft total). PPG Protective and Marine Coatings or comparable product by one of the following:

- a. ICI Paints.
- b. PPG Protective and Marine Coatings
- c. Sherwin-Williams Company (The).
- d. Benjamin Moore

2.6 ACCESSORY MATERIALS

- A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required to achieve the finishes specified whether specifically indicated or not; commercial quality.
- B. Patching Material: Bonding Epoxy filler.

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- C. Fastener Head Cover Material: As described under 2.5 Exterior Steel.

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 work.
1. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - a. Wood: 10 percent.
 2. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
 3. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.
 4. Coating application indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Remove plates, machined surfaces, and similar items already in place that are not to be coated. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and coating.
1. After completing coating operations, reinstall items that were removed; use workers skilled in the trades involved.
- C. Clean substrates of substances that could impair bond of coatings, including dirt, oil, grease, and incompatible paints and encapsulants.
1. Remove incompatible primers and reprime substrate with compatible primers as required to produce coating systems indicated.
- D. Steel Substrates: Remove rust and loose mill scale.
1. Clean using methods recommended in writing by coating manufacturer.
 2. Blast clean according to SSPC – SP6, with 4 hours on blasting, apply one coat of factory primer.
 3. Galvanized Steel Substrates: Surface preparation, all surfaces must be clean and free of oil, loose foreign matter and surface contaminants

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E. Wood Substrates:

1. Exterior Wood to Receive Transparent Finish: Remove dust, grit, and foreign matter; seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes with tinted exterior calking compound after sealer has been applied. Prime concealed surfaces

3.3 APPLICATION

A. Apply high-performance coatings according to manufacturer's written instructions.

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. Coat back sides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.

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.

3.4 FIELD QUALITY CONTROL

A. Owner reserves the right to invoke the following procedure at any time and as often as Owner deems necessary during the period when coatings are being applied:

1. Owner will engage the services of a qualified testing agency to sample coating material being used. Samples of material delivered to Project site will be taken, identified, sealed, and certified in presence of Contractor.
2. Testing agency will perform tests for compliance with specified requirements.
3. Owner may direct Contractor to stop applying coatings if test results show materials being used do not comply with specified 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.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

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- 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 09900