ADDENDUM TO THE CONTRACT

for the

Capital Transit Fuel Tank Upgrade
Contract No. BE18-240

ADDENDUM NO.: **ONE**

CURRENT DEADLINE FOR BIDS:
July 10, 2018

PREVIOUS ADDENDA: **NONE**

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

DATE ADDENDUM ISSUED: **June 25, 2018**

The following items of the contract are modified as herein indicated. All other items remain the same. 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 ***Add*** the attached SECTION 099600 HIGH PERFORMANCE COATINGS, labeled Addendum No. 1, dated June 25, 2018. (3 Pages)

Item No. 2 ***Add*** the attached SECTION 231113 FACILITY FUEL PIPING, labeled Addendum No. 1, dated June 25, 2018. (3 Pages)

By: _____
Greg Smith,
Contract Administrator

Total number of pages contained within this Addendum: 7

SECTION 099600 - HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes surface preparation and the application of high-performance coating systems on the following substrates:

1. Exterior Substrates:
   a. Steel.

1.2 DEFINITIONS

A. MPI Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.

B. MPI Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.

C. MPI Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

1. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.

B. Samples: For each type of coating system and in each color and gloss of topcoat indicated.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Products: Subject to compliance with requirements, provide one of the products listed in the Exterior High-Performance Coating Schedule or Interior High-Performance Coating Schedule for the coating category indicated.

2.2 HIGH-PERFORMANCE COATINGS, GENERAL

A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."

B. Material Compatibility:

1. Materials for use within each paint system shall be 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 paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
3. Products shall be of same manufacturer for each coat in a coating system.

C. Colors: As selected by Project Representative from manufacturer's full range.

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. 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. Application of coating 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 and coating systems indicated. At a minimum surfaces to be painted will receive a SP6 sandblast preparation.

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 if any.

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 tie coat as required to produce coating systems indicated.

3.3 APPLICATION

A. Apply high-performance coatings according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."

B. 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 EXTERIOR HIGH-PERFORMANCE COATING SCHEDULE

A. Steel Substrates:

1. Pigmented Polyurethane over Epoxy Zinc-Rich Primer System MPI EXT 5.1P:

a. Prime Coat: Primer, zinc rich, epoxy, MPI #20.

b. Intermediate Coat: Epoxy, gloss, MPI #77.

c. Topcoat: Polyurethane, two component, pigmented, gloss (MPI Gloss Level 6)**,** MPI #72.

END OF SECTION 099600

SECTION 231113 - FACILITY FUEL PIPING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Fuel pipes and fittings.
2. Piping specialties.
3. Joining materials.
4. Specialty valves.
5. Labels and identification.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1.3 INFORMATIONAL SUBMITTALS

A. Welding certificates.

B. Field quality-control reports.

1.4 CLOSEOUT SUBMITTALS

A. Operation and maintenance data.

1.5 QUALITY ASSURANCE

A. Pipe Welding Qualifications: Qualify procedures and personnel according to ASME Boiler and Pressure Vessel Code.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION

A. Comply with ANSI/ASME B31.3, "Process Piping," for piping materials, installation, testing, and inspecting.

B. Fuel Valves: Comply with UL 842 and have service mark initials "WOG" permanently marked on valve body.

C. Comply with requirements of the EPA and of state and local authorities having jurisdiction. Include recording of fuel-oil piping.

2.2 FUEL PIPES AND FITTINGS

A. Steel Pipe: ASTM A 53/A 53M, carbon steel, Schedule 40.
   1. Wrought-Steel Welding Fittings: ASTM A 234/A 234M, for butt and socket welding.

2.3 JOINING MATERIALS

A. Welding Filler Metals: Comply with AWS D10.12/D10.12M for welding materials appropriate for wall thickness and chemical analysis of steel pipe being welded.

2.4 SPECIALTY VALVES

A. Check Valves:
   1. Listed and labeled for fuel service by an NRTL acceptable to authorities having jurisdiction.
   2. Body: Brass, bronze, or cast steel.
   3. Springs: Stainless steel.
   4. Seat and Seal: Nitrile rubber.

2.5 FUEL FILTERS

A. Filter Housings:
   1. CimTek #50011 dual filter housing at each fill pipe.

B. Filters:
   1. CimTek #79814, 800-02, 2 micron cartridge filters. Two at each fill pipe.Seat and Seal: Nitrile rubber

PART 3 - EXECUTION

3.1 PREPARATION

A. Close equipment shutoff valves before turning off fuel oil to premises or piping section.

B. Comply with NFPA 30 and NFPA 31 requirements for prevention of accidental ignition.

3.2 OUTDOOR PIPING INSTALLATION

A. Steel Piping with Protective Coating:

1. Apply joint cover kits to pipe after joining, to cover, seal, and protect joints.
2. Repair damage to PE coating on pipe as recommended in writing by protective coating manufacturer. Review protective coating damage with Architect prior to repair.
3. Replace pipe having damaged PE coating with new pipe.

B. Install fittings for changes in direction in rigid pipe.

C. Install system components with pressure rating equal to or greater than system operating pressure.

3.3 VALVE INSTALLATION

A. Install manual fuel shutoff valves as indicated.

3.4 PIPING JOINT CONSTRUCTION

A. Ream ends of pipes and tubes and remove burrs.

B. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.

C. Welded Joints: Construct joints according to AWS D10.12/D10.12M, using qualified processes and welding operators according to "Quality Assurance" Article.

1. Bevel plain ends of steel pipe.
2. Patch factory-applied protective coating as recommended by manufacturer at field welds and where damage to coating occurs during construction.

3.5 FIELD QUALITY CONTROL

A. Pressure Test Piping: Minimum hydrostatic or pneumatic test-pressures measured at highest point in system:

1. Fuel Distribution Piping: Minimum 5 psig for minimum 30 minutes.
2. Isolate storage tanks.

B. Inspect and test fuel piping according to NFPA 31, "Tests of Piping" Paragraph; and according to requirements of authorities having jurisdiction.

C. Fuel piping and equipment will be considered defective if it does not pass tests and inspections.

D. Prepare test and inspection reports.

3.6 SHUTOFF VALVE SCHEDULE

A. Valves for Aboveground Fill Piping:
1. Two-piece, full-port, bronze ball valves with bronze trim.

END OF SECTION 231113